August 15, 2014

Mr. Jeff Brooks
Los Angeles Regional Water Quality Control Board
320 West 4th Street, Suite 200
Los Angeles, California 90013-2343

Re: Site Assessment Report
Panama Site
12922 Panama Street, Los Angeles, California

Investigative Order: R4-2014-0103
Site ID: 2040430
Case: 1292

Dear Mr. Books:

On behalf of Teledyne Technologies, Incorporated, the enclosed Site Assessment Report is submitted for review. Also enclosed are the signed perjury statements required under the 13267 Order.

We have made every effort to come to an agreement with the landowners and to incorporate their comments to the site assessment report. We do, however, have fundamental disagreements regarding certain technical aspects of the report which are detailed in the enclosed landowner's correspondence dated August 15, 2014. Our site investigation efforts are ongoing, and we look forward to receiving the Board's input on our efforts to date.

Respectfully submitted by:

Alta Environmental

Mike Cassidy, PG, CHG
Vice President, Site Assessment & Remediation

Enclosures: Perjury Statements (x2)
Geosyntec Consultants August 15, 2014 Correspondence
Alta Environmental Site Assessment Report

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MELANIE S. CIBIK
Senior Vice President, General Counsel and Secretary



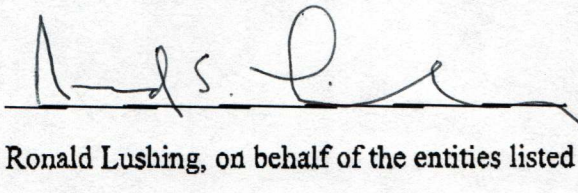
Teledyne Technologies Incorporated
1049 Camino Dos Rios
Thousand Oaks, California 91360
Phone: 805.373.4605 Fax: 805.373.4610

RE: Panama Street Site –
Alta Environmental Site Assessment Report MCGU-13-2252 dated August 15, 2014

I, Melanie S. Cibik, Senior Vice President, General Counsel and Secretary of Teledyne Technologies Incorporated, certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision, in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Melanie S. Cibik
August 15, 2014

I, Ronald Lushing, on behalf of Ron-Pan, LLC, GGL-Pan, LLC, Jan-Pan, LLC, and Schaefer-Pan, LLC, certify under penalty of law that the August 15, 2014 Geosyntec Consultants comment letter was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting information, including the possibility of fine and imprisonment for knowing violations.



Ronald Lushing, on behalf of the entities listed above

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15 August 2014

Mr. David Cranston
Greenberg Glusker Fields Claman & Machtinger LLP (Greenberg Glusker)
1900 Avenue of the Stars, 21st Floor
Los Angeles, California 90067

Subject: Geosyntec Comments on Alta Site Assessment Report
Panama Street Site

Dear Mr. Cranston:

On behalf of Greenberg Glusker Fields Claman & Machtinger LLP (Greenberg Glusker), which represents the owners[1] of the subject property, Geosyntec Consultants, Inc. (Geosyntec) has prepared this comment letter based on our review of the Draft Site Assessment Report. The Draft Site Assessment Report[2] was authored by Alta Environmental LP (Alta) on behalf of Teledyne Microelectronic Technologies (Teledyne) for the Panama Street Site located at 12964, 12950, 12930, 12922, 12918, 12910, and 12908 Panama Street in Los Angeles, California (the site). We received working drafts of this report from Greenberg Glusker on 8 and 15 August 2014. We understand that these comments will be provided by Alta to the Regional Water Quality Control Board, Los Angeles Region (LA Water Board) along with a final version of the Site Assessment Report.

General Comments

1. In two instances on p. 15 and 16 of the report, Alta states that PCE and TCE detected in soil borings in the vicinity of Building #2 may be the result of the emplacement of contaminated fill. For example, on p. 15, Alta states: "The PCE [tetrachloroethene] concentrations in the vicinity of GW3 may be related to the prior placement of deep fills and other debris (up to 11-feet bgs [below ground surface]) detected at this boring."

[1] Owners are four LLCs: GGL-Pan, LLC; Jan-Pan, LLC; Ron-Pan, LLC; and Schaefer-Pan, LLC.
[2] The date of the draft report is indicated as 15 August 2014 on the title page and 8 August 2014 in the file name.

Alta continues to extrapolate the contaminated-fill-hypothesis to nearby borings: "Note also that fills were logged in the upper 2 to 2.5 feet at Borings ENV-B39B (located adjacent to B39) and B85. PCE was detected at 84 µg/kg [micrograms per kilogram] and 210 µg/kg at 2.5 feet bgs in Borings ENV-B39B and B85, respectively. PCE decreased at these locations by approximately two orders of magnitude at 5 feet bgs (5.26J µg/kg and 0.50J µg/kg), below the fill/cut contact. PCE also decreased by an order of magnitude across the fill/cut contact in GW3 (from 324 µg/kg at 10 feet bgs to 71.2 µg/kg at 15 feet bgs). The decrease of PCE below the fill/cut contacts at each area suggests that contaminated fill was placed in these areas."

Alta fails to note that boring locations B38 and B80 (see Table 1, below) are situated in between GW3 and the ENV-B39B/B85 borings. According to Alta's boring logs, neither B38 nor B80 contain fill material, yet samples from both borings yielded PCE and trichloroethene (TCE) detections. This is in direct contrast to Alta's contaminated-fill-hypothesis and Alta later acknowledges this ambiguity: "The origination of PCE in the vicinity of Boring B80 (no fill was logged at this location) is unknown." Indeed B80 (no fill material) analytical results for the 2.5 feet bgs sample indicate the fourth highest measured PCE concentration in soil for the entire site (3,400 µg/kg), aside from the high detection in the ENVIRON split sample at GW3 and two other samples both reported for B10, located in the hazardous waste storage area. If contaminated fill materials were the source of PCE and TCE in this area, the highest concentrations should consistently be associated with the fill.

Per the Draft Phase 1 Report for the site by ENVIRON,[3] the structures that are currently on the site were built around the same period between 1956 and 1962. If contaminated fill was used during development of the site at that time, high concentrations of PCE and TCE should be correlated with the observation of fill throughout the site. The results of Alta's sampling and borehole logging indicated that this is clearly not the case, as summarized in Table 1 below.

[3] ENVIRON, 2013. Draft Phase 1 Environmental Site Assessment, Teledyne Electronic Technologies, 12964, 12950, 12930, 12922, 12918, 12910, and 12908 Panama Street, Los Angeles, California. January.

Table 1. Select soil boring information from Alta Site Assessment Report

Boring ID	Date Sampled	Depth Interval (feet bgs)	Soil Type	Soil Concentrations (µg/kg)	PID reading (ppmv hexane)
GW3	6/4/2013	2.5	Fill	PCE (2,960); TCE (56)	0
		5	Fill	PCE (56.4); TCE (1.36J); Acetone (30J)	0
		10	Fill	PCE (324); TCE (5.2J); Acetone (17.8J)	0
		15	SM	PCE (71.2); TCE (1.6J)	0
ENV-GW3B	7/18/2013	2.5	Fill	PCE (130); TCE (2.3); Acetone (13J); Benzene (1.8); Toluene (1.1); Carbon Disulfide (0.55B,J)	0
		5	Fill	PCE (15,000*); TCE (230); Bromomethane (420J); Carbon Disulfide (22B,J)	0
B80	7/18/2013	1	CL	PCE (550*); TCE (1.1J); Acetone (86); Benzene (0.97J); Toluene (7.9); Ethylbenzene (0.85J); o-Xylenes (1.5); m&p-Xylenes (3.7); 1,2,4-Trimethylbenzene (2.1); 1,3,5-Trimethylbenzene (0.6J); Naphthalene (2J); 2-Butanone (20); Carbon Disulfide (6.8J)	**0.3**
		2.5	CL	PCE (3400*); TCE (5.8); 1,1,1,2-TeCA (0.41J); Acetone (27J); Benzene (6.4); Toluene (2.6); Ethylbenzene (0.26J); m&p-Xylenes (0.29J); Carbon Disulfide (0.71J)	**60.1**
		5	CH	PCE (360*); TCE (1.5J); Acetone (6.7J); Benzene (0.12J)	**31.3**
		10	CH	PCE (110); TCE (0.91J); Benzene (0.19B,J)	0
B38	6/7/2013	2.5	CL	PCE (302); TCE (2.44J); Acetone (31J); Benzene (6.98); Toluene (3.96)	0
		5	CH	PCE (8.56J)	0
ENVB38B	7/18/2013	2.5	CL	PCE (55); Acetone (12J); Benzene (1.2); Toluene (0.69J); Carbon Disulfide (0.69B,J)	0
		5	CL	PCE (7); Carbon Disulfide (0.35B,J)	0

Boring ID	Date Sampled	Depth Interval (feet bgs)	Soil Type	Soil Concentrations (µg/kg)	PID reading (ppmv hexane)
B77	7/18/2013	1	Fill	PCE (4.9); TCE (2.4); Acetone (14J); Benzene (2); Toluene (1.3); Ethylbenzene (0.17J); Chloromethane (0.3B,J); Carbon Disulfide (3.5J)	0
		2.5	CL	PCE (56); TCE (49); cis-1,2-DCE (2.1); Acetone (17J); Benzene (3.6); Toluene (1.9); Ethylbenzene (0.24J); m&p-Xylenes (0.28J); Carbon Disulfide (0.36J)	**2.3**
		5	SW-SM	PCE (10); TCE (8.7); cis-1,2-DCE (1.8); Acetone (12J)	0
		10	SW-SM	PCE (12); TCE (7.8); cis-1,2-DCE (1.2)	0
B84	7/19/2013	1	Fill	Acetone (28J); Methyl tert-Butyl Ether (0.56J); Toluene (0.94); m&p-Xylenes (0.31J); 2-Butanone (4.2J); Carbon Disulfide (0.7B,J)	0
		2.5	CL	PCE (9.5); TCE (6.9); Acetone (31J); Benzene (0.41J); Carbon Disulfide (1.4J)	**2.2**
		5	CL	PCE (1); TCE (0.56J); Acetone (9.5J)	0
		10	SM	PCE (5.8); TCE (3.7J); 1,1,1-Trichloroethane (0.69J); Benzene (0.44J); Bromoform (2.3J); Chloromethane (0.85J); Carbon Disulfide (0.78J)	0
B75	7/18/2013	1	Fill	PCE (2.2); Acetone (22J); Benzene (1.3); Toluene (0.63J); Carbon Disulfide (11)	0
		2.5	Fill	Acetone (9.7J)	0
		5	CL	PCE (0.2J); Acetone (18J)	0
		10	SM	PCE (0.97); Acetone (6.1J); Benzene (0.15J)	0

* Concentrations exceeded calibration range; dilutions for these compounds

As can be seen in Table 1, PCE and/or TCE are not consistently detected in samples collected from fill material. In the case of B77 and B84, which are proximal to other borings discussed in this summary, concentrations of contaminants were in fact higher in samples collected from non-fill materials. This is counter to what one would expect if Alta's contaminated-fill-hypothesis was correct. This pattern is true for other borings not shown in Table 1 where fill was observed and sampled, including B85, B87, B89, B97, B99 and B100.

Alta's interpretation relies on the assertion that detections of PCE and TCE in soil samples generally occurs in the shallowest samples, situated above what Alta interprets to be a laterally continuous confining clay layer, as discussed in Comment 2 below. These observations, together with the detection of PCE in the surficial (asphalt) sample collected from GW3, are equally consistent with vertical migration of a surface discharge and cannot be used to infer that contaminated fill is the source.

The soil sampling data presented by Alta is consistent with a conceptual model in which a surface or near-surface release of volatile organic compounds (VOCs) migrated vertically through the vadose zone, which may include fill material in localized areas, and the data does not support contaminated fill being the source of VOCs in soil, soil vapor, or groundwater.

2. Alta states that the vertical extent of contamination has not been delineated, or has been defined by an underlying clay layer, at two locations near borings GW3/B80 and B78 and elsewhere at the site (pp. 14-15, *Section 6.1.1.1 Tetrachloroethene (PCE)*; p. 16, *Section 6.1.1.2 Trichloroethene (TCE)*; and p. 17, *Section 6.1.1.3 Cis-1,2-dichloroethene (DCE)*). In each case, Alta concludes that no further work is needed because the underlying clay layer prevented vertical migration in these locations:

    - "Therefore, the clay layer likely prevented further vertical migration of PCE in this area" (p. 15).
    - "However, considering the underlying clay layer below the perched aquifer is likely continuous across the Site (detected in Boring GW1 at 20 feet bgs), the clay layer likely prevented further downward migration of PCE at B80 as well" (p. 15).
    - "Note that TCE was detected in Boring B78 (located slightly southeast of B12) at 10 feet bgs, at a concentration of 40 µg/kg (Figure 14), which is slightly above the AF-SSL of 20 µg/kg. The TCE in this area, however, is believed to be defined vertically at 20 feet bgs due to the presence of the underlying clay layer" (p. 16).

- "However, the underlying clay layer likely prevented downward migration of the cis-1,2-DCE" (p. 17).

At GW3/B80, B78, B79/B82, and B43/B44, deep contamination above screening levels has been found at depths of 10 feet bgs or greater, below 7 or more feet of clayey fill or native clay as indicated by the boring logs included in Appendix B of the report. Because contamination has clearly migrated vertically through shallow clay material at these locations (as discussed above in Comment 1), it is unlikely that the presence of clay below these sampling locations completely prevented continued vertical migration of the contaminants. The site data suggests that contamination in these areas is the result of a surface discharge (no underground features were identified in these areas as shown on Figure 4A), in which case the data presented by Alta in the report indicates that downward migration of PCE, TCE, and cis-1,2-DCE through 7 or more feet of clay has occurred. In the absence of actual data to support the hypothesis that the underlying clay layer prevented additional downward migration of the contaminants, the above statements should be deleted from the report and vertical delineation of contamination in these areas should be completed as part of future work at the site.

3. Environmental Screening Levels (ESLs), promulgated by the San Francisco Bay Regional Water Quality Control Board (SF Water Board) are referred to throughout the report (p. 13, 14, 17, 18, 20; Tables 2, 3, 3A, 6, 6A, and 11; and Figures 9, 10, 12, 15, and 16). In our experience, the LA Water Board only considers SF Water Board ESLs in the case that a screening level for a chemical is not available from either the LA Water Board, Department of Toxic Substances Control (DTSC), Office of Environmental Health Hazard Assessment (OEHHA), or United States Environmental Protection Agency (USEPA) guidance. When using screening levels, priority should be given in the following order: 1) LA Water Board, 2) OEHHA, 3) DTSC, 4) USEPA, and 5) SF Water Board ESLs.

4. Section 7, Recommendations should also include the following:

   - Additional investigation to vertically delineate impacts in the areas of GW3/B80, B78, B79/B82, and B43/B44.
   - Additional groundwater sampling for VOCs on site in the first and second water-bearing zones directly beneath and downgradient of areas of high concentrations in soil and soil vapor (e.g. near B10 and B80).

- Additional permanent groundwater monitoring wells onsite for regular monitoring of groundwater flow direction and concentrations of compounds above applicable and relevant screening levels.
- Soil vapor sampling along Panama Street.

Comments Related to Data Presentation

5. Additional cross sections that include hydrostratigraphy, soil, and groundwater data would be helpful in the following areas:

    - Perpendicular to the direction of groundwater flow near the property boundary at Alla Road.
    - Perpendicular to the direction of groundwater flow through the chemical storage area.
    - Parallel to the direction of groundwater flow near the eastern property boundary including B69, GW3, B71, B80, and B38.

6. The following tables should include the applicable and relevant screening levels, as done for Table 2 and 7:

    - Table 8, Water Sample Results for Title 22 Metals
    - Table 10, Water Sample Results for VOCs

7. In Tables 7 and 7A, which summarize soil gas results, Alta presents California Human Health Screening Levels (CHHSLs) promulgated by OEHHA for comparison. This comparison is helpful in providing context. Alta should note that, in our experience, California regulatory agencies may look to TCE screening criteria based on the recent 2011 toxicity information presented in the USEPA IRIS database (http://www.epa.gov/iris/subst/0199.htm) instead of the TCE CHHSL included by Alta, which is based on the inhalation toxicity factor recommended by OEHHA.

8. Table 12, Hydropunch Groundwater Sampling Depths should include actual groundwater sampling intervals instead of only depth to water measurements. Sampling intervals for only 4 of 22 groundwater sampling locations are included on boring logs.

9. Results on Figures 5 and 7 should be annotated to include the sample depth associated with the concentration and chemical name that are currently posted.

10. Groundwater sampling locations and groundwater analytical results should be added to cross sections shown on Figure 6.

Geosyntec's review comments were developed based on information provided to us by Greenberg Glusker and may change if additional information becomes available. Geosyntec was not on-site during Alta's field work and Geosyntec has not completed an independent review of the data presented by Alta for consistency with laboratory analytical reports. We have assumed that the laboratory results have been reviewed, compiled, and presented accurately by Alta in accordance with the standard of practice in our industry.

Sincerely,

Deepa Gandhi, PE
Senior Engineer

Ravi Arulanantham, Ph.D.
Principal Toxicologist

SITE ASSESSMENT REPORT

Panama Street Site
12922 Panama Street
Los Angeles, California 90066

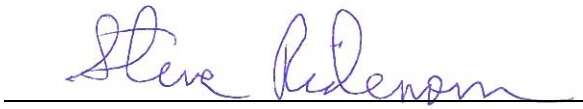
MCGU-13-2252
August 15, 2014

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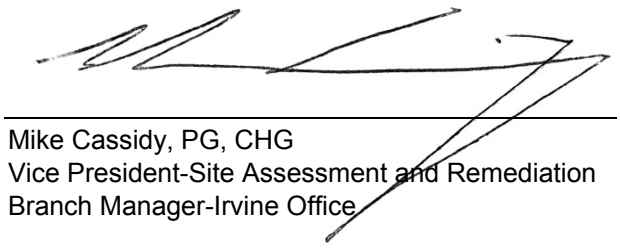
SITE ASSESSMENT REPORT



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Project Manager/Senior I



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Mike Cassidy, PG, CHG
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1. INTRODUCTION

Alta Environmental LP (Alta) has prepared this Site Assessment Report for the Panama Street site, located at 12964, 12950, 12930, 12922, 12918, 12910, and 12908 Panama Street, Los Angeles, California (hereafter referred to as the "Site").

2. BACKGROUND

Multiple tenants, many with connections to the military and aerospace industries, have utilized the Site since its development more than 50 years ago as an industrial property. Most recently, Teledyne Technologies Incorporated dba Teledyne Microelectronic Technologies (Teledyne) vacated the Site on July 31, 2013 and no longer leases the subject property. As described below, Teledyne and/or its predecessors in interest first leased a portion of the Site beginning in 1957, leasing at later times additional portions of Site and finally leasing the entire Site in 1979.

According to records provided to Alta, Environ International Corporation (Environ) completed a draft Phase I Environmental Site Assessment (ESA) of the Site in January, 2013, on behalf of the property owner (Environ, 2013; submitted to the Los Angeles Regional Water Quality Control Board electronically on July 10, 2013). The Phase I ESA identified past and current property uses as Recognized Environmental Conditions (RECs) or areas of contingent risk and recommended additional assessment. Section 2.3 presents a summary of the Phase I ESA, which to our knowledge is still in draft form.

Teledyne engaged Alta to conduct a follow-up Phase II ESA to assess the potential RECs presented in the Environ Phase I ESA. At various times during the course of Alta's investigation, both Environ and Geosyntec Consultants (Geosyntec) conducted separate investigations on behalf of the property owner which are discussed in Sections 4.3 and 4.4, respectively. In order to present a comprehensive view of subsurface conditions, this report incorporates data shared by the property owner. It should be noted that while we did not oversee all methods and means of data collection, Alta assumes that the owner's consultants conducted their investigations with the ordinary standard of care, skill, and diligence exercised by typical environmental professionals. Alta and Teledyne make no warranty as to the accuracy of data provided by the owner's consultants and incorporated herein.

2.1 Site Location and Description

The Site is an approximately 5.73-acre commercial/industrial property located in a mixed residential and commercial area of Los Angeles, California, near the unincorporated community of Marina Del Rey. The Site is bound by a self-storage facility and Culver Boulevard to the southeast, the Marina Freeway (Highway 90) frontage road to the south, Alla Road followed by commercial properties to the west, Panama Street followed by residences to the north, and a property owned by Teledyne Technologies Incorporated to the northeast.

The Los Angeles County Office of the Assessor identifies the Site as assessor's parcel numbers 4223-008-005, 4223-008-006, 4223-008-007, 4223-008-008, and 4223-008-010. According to the City of Los Angeles, Department of City Planning's Zone Information and Map Access System, the Site is zoned M1-1 (Limited Industrial) and M2-1 (Light Industrial). In addition, the Site is in City of Los Angeles advisory area applying to properties adjacent to freeways. A Site Vicinity Map is presented as Figure 1 and the Site Assessor Parcel Map is identified on Figure 2.

At the time of this investigation, the Site was developed with four single-story buildings (Building #1: 12964, 12950, and 12930 Panama Street, Building #2: 12918 Panama Street, Building #3/6: 12910 and 12908 Panama Street, and Building #4: 12922 Panama Street), a chemical storage shed, a hazardous

waste storage area, and asphalt and concrete paved driveways, parking lots, and walk-ways. A security fence encircled the property and access control was provided by Teledyne security personnel. The topography across the Site is generally flat, with a slight slope to the south. Stormwater surface flow on the northern portion of the property follows a southeast-northwest trending concrete swale between Buildings #1 and #3/6 and discharges to Panama Street. Stormwater surface flow on the southern portion of the property drains to a west-east trending concrete swale in the southern parking lot and discharges to a storm channel running along the property line between the Site and the adjoining self-storage facility. This storm channel discharges to a storm drain located near the southern corner of the property. A USGS Site Topographic Map is included as Figure 3.

2.2 Operational History and Status

On July 31, 2013, Teledyne vacated the Site. Various tenants besides Teledyne occupied assorted areas throughout the Site. Prior to development of the Site in the mid-1950's for industrial purposes, aerial photos included in the Environ Phase I indicate that the Site was used for agricultural operations (1927, 1938, and 1947 photos). An aerial photo taken during development of the Site shows what appears to be disturbance of large volumes of soil (1956 photo).

Various aerial photos also indicate that the existing adjacent self-storage buildings were built along a former rail line. This rail line was formerly used by the Southern Pacific Railroad for freight operations.

Title records indicate that the Site was previously owned by companies including the Santa Monica Dairy Company and Liner Corporation. Other companies with interests in the Site have included or include Cal State Oil Corporation, Sea Cliff Petroleum Corporation, and the Del Rey Oil & Gas Company.

The historic uses of the Site are not yet fully known.

The Environ Phase I ESA, however, identifies industrial operations involving the use of solvents, paints, and other chemicals occurring at the Site as early as the late 1950's (Environ, January 2013 Draft). The following provides a summary of identified historical Site uses:

<u>BUILDING #1 (12964, 12950 and 12930 Panama Street)</u>

The eastern segment of Building 1 (12930 Panama Street) was leased to Arnoux Corporation for electrical equipment manufacturing from approximately 1957 through 1962. Telephone directories also indicate that the Mercury Transformer Corporation also operated at this location.

Beginning in approximately 1962, Building #1 was utilized by Amelco, Inc. for hybrid electronic circuit manufacturing. Teledyne later acquired Amelco, Inc. Teledyne's manufacturing operations, which continued generally through parts of 2013, included:

- Electro/mechanical assembly: hand and re-flow soldering, wiring, component attachment, etc.;
- Electronic testing;
- Solvent cleaning: wipe, batch and vapor degreaser;
- Aqueous cleaning: conveyorized cleaning;
- Thin film resister fabrication: metals deposition via evaporation and sputtering, electrolytic and electroless nickel and gold plating, metal etching, photolithography, and photoresist development and stripping;
- Thick film circuit fabrication: conductive and dielectric ink screening, furnace curing, ceramic and furnace belt cleaning;

- Cover sealing: electronic welding of metal covers to cases; and
- X-ray inspection: x-ray exposure and film development.

BUILDING #2 (12918 Panama Street)

Teledyne began operations at Building #2 in approximately 1962 and continued through 2013. It is not currently known whether other tenants preceded Teledyne in this building. This building was historically used by Teledyne for engineering offices and a cafeteria. At one time, Teledyne operated a metrology department in this building. The Metrology Department was primarily tasked with calibrating Teledyne-owned electronic test and assembly equipment. A permit from 1966 referenced in the Phase I ESA indicates that electronics assembly may have been contemplated in Building 2. As with other parts of the Site, Teledyne and the landowner are still investigating the specific history of this building.

BUILDING #3/6 (12908 and 12910 Panama Street)

Prior to Teledyne's occupancy, Building #3 (12908 Panama Street) was utilized by Wahl Corporation, Quantatron, and Fenske, Fedrick & Miller. Teledyne's use of Building 3 continued through 2013. Teledyne and the landowner are still investigating the specific tenancies and timelines in this building.

Building #6 (12910 Panama Street) was leased by Chem Seal Corporation of America (Chem Seal) from approximately 1958 through 1970. At least one historical record refers to Building 6 as a "paint factory" during Chem Seal's leasehold. Chem Seal, now part of Pacoima, California-based Flamemaster Corporation, manufactured sealants and coatings for military and aerospace applications. Following Chem Seal, from approximately 1970 through 1979, Banner Printing Company (Banner) occupied Building #6. At one time, Banner obtained a permit to operate afterburner equipment. Teledyne leased Building 6 starting in 1979 and continuing through 2013. Teledyne and the landowner are still investigating prior uses in this building.

Building #3/6 was historically utilized by Teledyne for hybrid electronic circuit manufacturing. Manufacturing operations included:

- Electro/mechanical assembly: hand and re-flow soldering, wiring, component attach, etc;
- Electronic testing;
- Solvent cleaning: wipe, batch and vapor degreaser;
- Aqueous cleaning: conveyorized cleaning;
- Cover sealing: electronic welding of metal covers to cases.

BUILDING #4 (12922 Panama Street)

This building was historically used for engineering offices by Teledyne. More recently (post 2005) a small machine shop was located in this building. Teledyne's operations continued from 1962 through 2013 in this building.

Building 4 was used by Digitek Corporation prior to commencement of Teledyne's leasehold. Title records indicate that Midland Investment Company built and owned the building. The current landowner does not believe that Midland Investment Company conducted operations in this or any other building at the Site. The processes employed by Digitek are not yet known.

BUILDING #5 (no address) (formerly located between Building #1 and Building #4)

This building was historically used by Teledyne's Manufacturing Services Department whose primary task was repairing and maintaining Teledyne-owned equipment. Teledyne's use of the building began by the mid-1970's and continued through 2013. Teledyne's historic use of the building is still being investigated.

Hazardous Waste Storage Area

A hazardous waste storage yard was located between Building #4 and Building #5. This covered area was utilized for the segregation and temporary storage of various hazardous wastes.

In more recent years when leased by Teledyne (specific years still to be determined), the floor of this area was constructed with concrete overlain in certain areas with a chemical-resistant coating. Concrete curbs were located at all entryways and at various locations throughout the storage area, creating a secondary containment. Teledyne is still investigating the history of this area.

Chemical Storage Shed

Teledyne utilized a metal-clad shed located to the southeast of Building #1 for the storage of various chemicals used on the Site. The curbed floor of this shed, which existed at the time that Teledyne surrendered the property, was constructed with concrete overlain by a chemical-resistant coating, creating a secondary containment. Based on a review of aerial photographs, it appears that the shed was constructed sometime between 1960 and 1962. Teledyne is still investigating the specific history of the storage shed.

Former Drum Spill Area

In 1985, a 55-gallon drum was reported to have been spilled within a localized area slightly southeast of the southeastern corner of Building #1, within the driveway area between Buildings #1 and #3/6. A record of the report was made by the Los Angeles County Public Health Investigator and the record describes a "spill of TCE." At least one Teledyne employee or former employee believes the spill to have involved 1,1,1-trichloroethane and not TCE.

Historic Teledyne site uses, as well as the identified historic Site uses prior to Teledyne's occupancy that have been determined to date, are depicted in Figure 4A and 4B, respectively.

2.3 Previous Site Investigations

Environ completed a draft Phase I ESA report in January 2013. The assessment identified the following Recognized Environmental Condition in connection with the Site:

Former Release of Trichloroethylene (TCE): Based on a review of the Los Angeles County Public Health Investigator records, a 55-gallon drum containing TCE was ruptured in April 1985 at the 12964 Panama Street address. No information was given about the amount of TCE that was spilled and no specifics were provided in the record regarding the exact location of the spill. As quoted in the Environ report, "the spill of TCE was diked, absorbed, and picked up."[1]

Although not considered RECs, Environ identified the following other findings:

1. Historical operations at the Site;

[1] As the data show elsewhere in this assessment, this release does not appear to have reached the soil in any significant concentrations.

2. Former use of chlorinated solvents;
3. Former clarifier without closure documentation; and
4. Presence of trenches and sumps.

3. REGIONAL GEOLOGY AND HYDROGEOLOGY

3.1 Regional Geology

The Site is situated within the Ballona Gap of the Santa Monica Basin. Holocene age alluvium forms much of the surficial deposits in this area, including clay-rich Bellflower aquiclude and underlying gravels of the Ballona aquifer (DWR, 1961). Soils encountered during Alta's assessment of the Site were predominantly clay with localized lenses of silt and sand to 10 feet below ground surface (bgs), underlain by alternating sequences of clay and sand to total depths explored (21 feet bgs).

3.2 Regional Hydrogeology

The Site is situated within the Coastal sub-basin of the Santa Monica Basin, near the southern boundary. The basin is bound by the Santa Monica Mountains to the northwest, the Pacific Ocean to the west, the Newport-Inglewood fault to the northeast, and the Ballona escarpment and Baldwin Hills to the south and southeast. The primary groundwater producing zones within the Santa Monica basin include the aquifers within the recent alluvium and the underlying San Pedro Formation (Silverado Aquifer) (DWR, 1961). The nearest surface water body to the Site is Ballona Creek (Figure 3).

The depth to the uppermost groundwater during Alta's assessment was encountered at approximately 10 to 12.5 feet bgs. The groundwater flow direction of the uppermost groundwater zone was calculated to be to the southwest at a gradient of 0.0040-feet per foot.

4. SITE ASSESSMENT

4.1 Pre-field Activities

4.1.1 Health and Safety Plan

Prior to conducting field work for the project, Alta prepared a site-specific Health and Safety Plan (HASP) that was implemented per California Occupational Safety and Health Administration California Code of Regulations (CCR) Title 8, Section 5192 requirements. The scope of work and potential contaminants that could be encountered during the investigation was addressed in the HASP. The on-site health and safety officer was responsible for implementation of the HASP. Daily tailgate meetings were held with Alta personnel and subcontractors at the beginning of each day of fieldwork. The scope of work, safety hazards, and safety procedures were discussed during the tailgate meetings. All field personnel, including subcontractors, were required to review and sign the HASP before beginning any fieldwork. All Alta and subcontractor personnel conducting field work onsite have received the OSHA Hazardous Waste Operation training in accordance with 29 CFR 1910.120 and CCR Title 8, Section 5192. The Site assessment work was completed with no reportable injuries or illnesses.

4.1.2 Utility Clearance

Alta conducted a site reconnaissance to locate and mark all proposed boring locations. These locations were inspected for site accessibility, underground utilities, overhead power lines, and any additional potential issues that may be encountered during fieldwork. All locations were marked with white spray paint, as required by Underground Service Alert (USA). USA was notified at least 48 hours before any drilling activities commenced at the Site.

Geophysical surveys were also conducted prior to drilling activities by Spectrum Geophysics of Burbank, California for the purpose of locating identifiable buried utilities and other subsurface anomalies in the vicinity of each proposed boring location. The equipment used in the geophysical survey consisted of a Radio Detection 4000 transmitter with matched receiver, Dynatel 500A transmitter with matched receiver, shallow focus metal detector (M-scope), and MALA E-Z Locator ground penetrating radar (GPR) unit coupled to a 500-MHz antenna. Boring locations were adjusted, as necessary, based on the results of the geophysical survey.

4.1.3 Permitting

Before initiating fieldwork, Alta obtained separate permits from the Los Angeles County Department of Public Health (Public Health) for 22 grab-sample groundwater borings and the three groundwater monitoring wells. Copies of the signed permits are provided in Appendix A.

4.2 Subsurface Sample Collection and Analysis

A total of 117 borings were advanced to various depths ranging from approximately 6-feet to 20-feet bgs utilizing either direct-push Geoprobe or manual hand-auger drilling methods. Various combinations of soil, soil-vapor, and ground water were collected from each of the borings, as discussed in the following sections. All reusable drilling and sampling equipment was cleaned before each use utilizing a three-bucket wash consisting of a non-phosphate detergent wash, tap water, and deionized/distilled water.

Following completion of the investigation, all borings were abandoned by removing any installed vapor-well tubing to the extent possible, backfilling with hydrated bentonite, and sealing the penetration with similar surfacing materials.

4.2.1 Soil-Matrix Sample Collection and Analysis

Of the total 117 borings advanced at the Site, soil-matrix samples were collected from 94 of these borings. Soil samples were variously collected at sample depths of 1-, 2.5-, 5-, and 10-feet bgs from 93 borings, and from sample depths of 10-, 15-, and 20-feet bgs from one boring. For the soil borings drilled using direct-push methods, soil samples were collected using a core sampler lined with acetate sleeves. For the soil borings drilled using hand-auger equipment, soil samples were collected using a slide-hammer lined with stainless steel rings. Following sample collection, each sample container was properly preserved, capped, sealed, labeled, and stored in a chilled ice chest for transport under chain-of-custody documentation to a California certified environmental testing laboratory.

The soils encountered during the investigation were logged at each sample depth using the Unified Soils Classification System (USCS) under the supervision of a California Professional Geologist (PG) and monitored with a photo-ionization detector (PID) calibrated to hexane. The lithology, PID readings, field observations, and sampling depths were documented on boring logs for each location (Appendix B). The Site layout and boring locations are presented in Figure 4C. A description of the soil sampling boring locations is summarized as follows:

- Borings B14 through B23, B29, B31, B56 through B58, and B91 through B95 were advanced to a terminus depth of approximately 11-feet bgs inside Building #1 (12964, 12950, 1930 Panama Street);
- Boring B1, B4, B5, B6, B11, B64, and B65 were advanced to a terminus depth of approximately 11-feet bgs in the vicinity of current and/or historical wastewater conveyance and treatment systems located around the outside perimeter of Building #1;

- Borings B61, B62, B67, B69, and B70 were advanced to a terminus depth of approximately 11-feet bgs and boring B68 was advanced to terminus depth of approximately 6 feet bgs (due to refusal) within Building #2 (12918 Panama Street);
- Borings B47 through B49 were advanced to a terminus depth of approximately 11-feet bgs inside Building #4 (12922 Panama Street);
- Boring B54 was advanced to a terminus depth of approximately 11-feet bgs inside Building #5;
- Borings B12 and B13 were advanced to a terminus depth of approximately 11-feet bgs inside the Chemical Storage Shed located to the southeast of Building #1;
- Borings B7, B8, and B9 were advanced to a terminus depth of approximately 11-feet bgs, boring B10 was advanced to approximately 6 feet bgs (due to refusal), and boring VA1 was advanced to a depth of approximately 20 feet bgs within the Hazardous Waste Storage Yard; and
- A total of 50 borings were advanced to a terminus depth of approximately 11-feet bgs in various locations throughout the asphalt and concrete covered parking areas and walkways of the Site.

Soil samples from these 94 borings were variously analyzed for total petroleum hydrocarbons as carbon chain (TPH-cc [C_4-C_{36+}]) by EPA Method 8015M, Title 22 Metals by EPA Method 6010B/7471A, semi-volatile organic compounds by EPA Method 8270, 1,4-Dioxane by EPA Method 8270C, and VOCs by EPA Method 8260B. Six samples were additionally analyzed for hexavalent chromium (Chromium VI) by EPA Method 7199. All soil samples collected for VOC analysis were preserved using in-field preservation kits in accordance with EPA Method 5035. Laboratory analytical reports and chain-of-custody documentation for the soil samples are presented in Appendix C. Figure 5 depicts the maximum reported VOC concentrations for soil-matrix borings, independent of sample depth. The distribution and isoconcentration contours of VOC compounds of concern are depicted in Figures 9 through 17.

4.2.2 Soil Vapor Sample Collection and Analysis

Soil-vapor sampling was conducted at various locations across the Site utilizing sample probes installed in existing bore holes advanced during soil-matrix sampling, or in new soil-vapor specific borings. All soil vapor samples were analyzed for VOCs by EPA Method 8260B using an onsite mobile laboratory and collected in accordance with the Department of Toxic Substances Control (DTSC) and California Regional Water Quality Control Board – Los Angeles Region (LARWQCB) *Advisory – Active Soil Gas Investigations (2012)* protocol (Advisory). The soil vapor sampling locations are presented in Figure 4C and summarized as follows:

- Dual-nested soil-vapor probes were installed in all of the soil-matrix borings and in one additional soil-vapor specific boring advanced within Building #1;
- Dual-nested soil vapor probes were installed in soil-matrix borings B61, B62, B67, and B69, and one single-nested soil-vapor probe was installed in soil-matrix boring B68 within Building #2;
- Dual-nested soil-vapor probes were installed in soil-vapor specific borings B32 through B36;
- Dual-nested soil-vapor probes were installed in all soil-matrix borings within Building 4,;
- Dual-nested soil-vapor probes were installed in soil-matrix borings B8 and B9, and a single nested probe was installed in B10 within the Hazardous Waste Storage Yard,;
- A dual-nested soil-vapor probe was installed within Building 5 in the soil-matrix boring B54;

- A dual-nested soil-vapor probe was installed within the Chemical Storage Shed in sol-matrix boring B13;
- Dual-nested soil vapor probes were installed in soil-matrix borings B1, B5, and B11 located in the vicinity of current and/or historical wastewater conveyance and treatment systems located on the northern perimeter of Building #1; and
- A total of 37 dual-nested soil vapor probes were installed in soil-matrix borings and an additional four dual-nested vapor probes were installed in soil-vapor specific borings located throughout the asphalt and concrete covered areas of the Site.

Probe Installation: At each of the boring locations, soil vapor probes were installed at depths between 4- and 10-feet bgs, depending on depth to groundwater and soil lithology. Each soil vapor probe was placed within a one-foot sand pack. One foot of dry granular bentonite was placed on top of each sand pack to preclude the infiltration of hydrated bentonite grout. The boreholes were then grouted between probes and to the surface with hydrated bentonite. Teflon® tubing (¼ inch) was connected from the vapor point to the surface. The end of the tubing was labeled with the vapor well number, depth, and date and time of construction, and a three-way valve was installed to eliminate ambient air diffusion into the well. Soil vapor wells, once set, were allowed to equilibrate for a minimum of two hours for all direct-push borings and a minimum of 48 hours for all hand-auger borings prior to sample collection.

Purge Volume Test: A three-volume purge test (one, three, and ten purge volumes) was conducted at sampling location B10-5′ to establish the optimal purge volume to be used for the probes in accordance with the Advisory. The purge flow rate was approximately 200 milliliters per minute (mL/min). Based on the purge volume test, the optimal purge was determined to be ten volumes.

Sample Collection: Soil vapor samples were collected from each probe following the removal of the appropriate purge volume in 100-milliliter glass air-tight syringes. The samples were collected through a valve connected to the tubing attached at the top of each probe, withdrawing each sample at a rate of 200 mL/min or less. The samples were immediately transferred to the onsite mobile laboratory for direct injection into a gas chromatograph for VOC analysis, in accordance with the Advisory. All soil vapor samples collected were documented on a chain-of-custody form.

Leak Test: A leak test was conducted at each soil vapor probe location to determine if leakage was present at the boring surface. N-Propanol was used as the source of the tracer compound. The tracer gas compound was not detected in any of the soil vapor samples.

Mobile Laboratory Analysis: The soil vapor samples collected for this investigation were analyzed for VOCs by EPA Method 8260B by an onsite mobile laboratory. The laboratory analytical reports and chain-of-custody documentation for the soil vapor samples are presented in Appendix C. The mobile laboratory soil-vapor sample results are tabulated in Table 7. The distribution and isoconcentration contours of VOC compounds of concern are depicted in Figures 9 through 17.

4.2.3 Groundwater Grab-Sample Collection and Analysis

Groundwater grab samples were collected from borings using temporary ground water sampling wells. Samples were collected from single-use/disposable polyethylene tubing and transferred to 40-mL vials containing preservative and to pre-cleaned sample containers, then sealed, labeled, and stored in a chilled ice chest for transport under chain-of-custody documentation to a State of California-certified laboratory for analysis. The ground water grab-samples were variously analyzed for TPH-cc [C_4-C_{36+}] by EPA Method 8015M, Title 22 Metals by EPA Method 6010B/7471A, 1,4-Dioxane by EPA Method 8270C,

and VOCs by EPA Method 8260B. The laboratory analytical reports and chain-of-custody documentation for these samples are presented in Appendix C, and the results are tabulated in Tables 8 through 11. The distribution and isoconcentration contours of VOC compounds of concern are depicted in Figures 9 through 17.

A total of 21 groundwater grab-samples were collected as follows:

- Three ground water grab-sample borings were advanced within Building #1;
- One ground water grab-sample boring was advanced within Building #2;
- One ground water grab-sample boring was advanced within Building #3/6;
- One ground water grab-sample boring was advanced within Building #4;
- One ground water grab-sample boring was advanced within the Hazardous Waste Storage Yard;
- Two groundwater grab-sample borings were advanced in the vicinity of current and/or historical wastewater conveyance and treatment systems located around the outside perimeter of Building #1; and
- 12 groundwater grab-samples were collected from various locations within the asphalt and concrete covered parking areas and walkways throughout the Site.

4.3 Environ Soil-Matrix Split Sample Collection and Analysis

On July 18, 2013, eight additional borings were advanced by Environ (consultant for the property owner) at locations adjacent to Alta's existing borings B4, B10, B12, B38, B39, B55, GW1 and GW3 (Figure 4C), identified by Alta as ENV-B4B, ENV-B10B, ENV-B12B, ENV-B38B, ENV-B39B, ENV-B55B, ENV-GW1B, and ENV-GW3B, respectively. The borings were advanced to 6 feet bgs at each location and were continuously cored using a direct-push sampling rig. Both Alta and Environ personnel collected split soil samples from these locations.

Soil samples for geologic logging and laboratory analysis were collected using a 4-foot long core sampler lined with acetate tubes. The cores from each boring were logged in accordance with the USCS by a California PG. Field screening for VOCs were monitored at the cores using a PID calibrated to 50 parts per million volume (ppmv) hexane. The lithology, PID readings, and sampling depths of the borings were documented on the boring logs, included in Appendix B.

Samples for laboratory analyses were collected at 2.5 and 5 feet bgs and were cut into approximately 6-inch long sections, capped with Teflon sheeting, and sealed with polyurethane end-caps. Samples to be analyzed for VOCs were collected in pre-preserved 40-millileter (ml) vials in accordance with EPA Method 5035. Each sample was labeled with the boring number and depth, and date and time of collection. The samples were placed in a chilled portable cooler and transported to a state-certified laboratory on the same day of collection. The samples were recorded on a chain-of-custody record identifying the sample identification, date and time of collection, sample matrix and containers, preservative, requested analyses, sampler's name, couriers used, responsible laboratory personnel, and requested analyses.

All soil samples collected were analyzed for VOCs by EPA Method 8260B, Title 22 metals by EPA Methods 6010B/7471A, and 1,4-dioxane in soil by EPA Method 8270C. A summary of the laboratory analytical results for metals, VOCs, and 1,4-dioxane in soil are summarized in Tables 3A, 5A, and 6A, respectively. The laboratory analytical report and chain-of-custody document is included in Appendix C.

4.4 Geosyntec Soil-Vapor Sample Collection and Analysis

During May of 2014, Geosyntec conducted a limited soil-matrix and soil-vapor investigation of the subject site on behalf of the property owners. The results of the investigation were presented in an investigation report dated June 27, 2014 (Geosyntec, 2014). No Alta personnel were present onsite during this sampling event, however the reported laboratory results are included in this report for the purpose of providing a comprehensive view of subsurface conditions.

According to the Geosyntec investigation report, which was provided by the owners for review, the investigation was conducted at two selected areas within the property boundary. Five additional borings (SVP-1 through SVP-5) were advanced in the area of the 1985 drum spill, in the general vicinity of Alta's existing borings B2 and B52. In addition, four borings (SVP-6 through SVP-9) were advanced along the northeastern property boundary, two of which were advanced inside Buildings 3 and 6. Each of these nine borings were advanced by hand-drilling methods to a depth of 5 feet bgs. The borings were then completed to terminus depth utilizing either direct push drilling methods (borings SVP-1, SVP-2, SVP-4, SVP-8, and SVP-9) or by hand drilling methods (SVP-3, SVP-5, SVP-6, and SVP-7).

Soil samples were collected from borings SVP-1 through SVP-5 at depths of five and ten feet bgs. The samples were submitted to a state-certified laboratory and analyzed for VOCs by EPA Method 8260B. Dual-nested vapor probes were installed at 5 feet bgs (shallow) and between 8.5 and 10 feet bgs (deeper), and vapor samples were collected from each probe. Based on Geosyntec's reported methods, the vapor wells appear to have been installed in general accordance with the Advisory.

Following installation, a purge volume test was conducted at SVP-1 on the shallow vapor well. The purge volume test samples were collected in Tedlar bags and screened for VOCs utilizing a PID calibrated to 100 ppm isobutylene, for fixed gases utilizing a Landtec GEM 2000 landfill gas meter, and for helium (their tracer compound) utilizing a Dielectric MGD2002 helium detector. One volume was selected as the appropriate purge volume and soil vapor samples were subsequently collected in 1-liter batch-certified Summa canisters. The canisters were subsequently submitted to the laboratory and analyzed for VOCs by EPA Method TO-15.

A summary of the reported laboratory analytical results for VOCs in soil and in soil vapor are presented in Tables 5B and 7A, respectively. The Geosyntec report is included in Appendix G.

4.5 Hollow Stem Auger Drilling and Groundwater Well Installation

4.5.1 Well Locations and Depths

On June 4 and 5, 2013, three groundwater monitoring wells (GW1, GW2, and GW3; Figure 4C) were installed at the southwestern, northern, and southern portions of the Site, respectively. The borings for the wells were drilled to between 20.5 to 21.5 feet bgs, using a hollow-stem auger rig equipped with 10-inch-diameter augers.

4.5.2 Hollow Stem Auger Drilling and Soil Sampling Procedures

Soil samples for geologic logging and laboratory analysis were collected at approximately 1.5- to 5-foot intervals by driving a modified California split-spoon sampler equipped with three 6-inch-long brass ring sleeves into the undisturbed ground. One of the sleeves was retained for laboratory analysis. This sleeve was capped with Teflon sheeting and sealed with polyurethane end-caps. Samples to be analyzed for VOCs were collected in pre-preserved 40-ml vials in accordance with EPA Method 5035. Each sample was labeled with the boring number and depth, and date and time of collection. The samples were placed in a portable cooler maintained at 4 degrees Celsius, and transported to a state-certified laboratory on the

same day of collection. The samples were recorded on a chain-of-custody record identifying the sample identification, date and time of collection, sample matrix and containers, preservative, requested analyses, sampler's name, couriers used, responsible laboratory personnel, and requested analyses. Soil samples collected at approximately 2.5, 5, 10, and 15 feet bgs were analyzed for VOCs by EPA Method 8260B and TPH-cc by EPA Method 8015M.

Soil samples were logged according to the USCS by a California PG or under the supervision of a California PG. Volatile organic vapor concentrations of each soil sample were measured using a PID calibrated to 50 ppm hexane. The samples were immediately placed in a plastic bag to allow organic vapors to volatilize for several minutes prior to each measurement. The lithology, PID readings, and sampling depths were documented on boring logs, included in Appendix B.

4.5.3 Well Installation and Development Procedures

On June 4 and 5, 2013, three wells were installed with 4-inch-diameter PVC blank and 0.01-inch screened sections, with the screened intervals installed from 5 to 20 feet bgs. The annular space around the screened sections was backfilled with No. 2/12 sand filter to approximately two feet above the top of the screened section. The sand filter was then surged with a surge block to allow the sand to settle, additional sand filter was added to two feet above the top of the screened interval, and the remainder of the annular space was backfilled with a hydrated bentonite seal. To remove suspended solids and allow fresh groundwater from the aquifer to enter the wells, the wells were then developed using a rig bailer and surge block. Well development continued until at least 5 well volumes were removed and the removed groundwater was visually clear. The wells were completed with the installation of 12-inch-diameter, traffic-rated well boxes secured with concrete, set approximately 1 inch above the surface.

On July 26, 2013, Wells GW1 through GW3 were redeveloped using a rig bailer and surge block situated on a well development rig. At least 13 well volumes were removed from each well, a total of 170 gallons, 90 gallons, and 130 gallons were removed from Wells GW1, GW2, and GW3, respectively. Well development continued until the pH, electrical conductivity, temperature, and turbidity stabilized. Note that Alta attempted to lower the turbidity levels to 10 NTUs or less, however due to the high clay content in the aquifer, lowering the turbidity to 10 NTUs could not be achieved. Final turbidity readings were recorded at 677, 55.2, and 57.3 for Wells GW1, GW2, and GW3, respectively. The measured groundwater parameters, static groundwater levels, well casing volumes, casing diameters and total depths, and total gallons removed were documented and recorded on the Groundwater Monitoring Well Purging Records, provided in Appendix D.

4.5.4 Well Survey

On June 14, 2013, the elevation of groundwater monitoring wells GW1, GW2, and GW3 were surveyed by DMC Engineering, a California-licensed land surveyor. The top of the well casings and rim of each well were surveyed relative to the City of Los Angeles Benchmark Number 11028 using the California State Plane (NAD83) system, with the vertical datum measured in feet above mean sea level. The longitude and latitude coordinates of the new wells were also measured using Global Positioning System technology. A fixed reference point was marked by the surveyors at the top of each casing.

Top of the casing survey measurements for Wells GW1, GW2, and GW3 were reported as 12.33, 11.86, and 11.53 feet above mean sea level, respectively. A copy of the Monitoring Well Survey Report is provided in Appendix E.

4.5.5 Groundwater Elevations

Prior to well development and sampling, on June 18 and July 26, 2013, the depth to groundwater in each well was measured to the nearest 0.01 foot below the survey mark at the top of each casing, using an electronic interface probe. The total depth of each well was also measured by lowering the interface probe to the bottom of each well. Groundwater elevations were calculated by subtracting the water table depth from the top-of-casing elevations. The groundwater gradient and flow direction were evaluated using these water-table elevations. A summary of the top of casing elevations, depth to groundwater, and the groundwater elevations in each well are provided on Table 13. The groundwater elevations, equipotential contours, and the groundwater gradient and flow direction, based on the depth to groundwater measurements on June 18, 2013, are illustrated on Figure 8.

4.5.6 Groundwater Well Sampling and Laboratory Analyses

Following well development on June 18 and July 26, 2013 and after the groundwater levels in each well recharged to least 80% of static levels, Alta collected groundwater samples from each well. A new, disposable high-density polyethylene bailer was lowered into each well. The bailers were retrieved and the groundwater was slowly drained into three 40-milliliter volatile organic ampoules (VOAs), one 1-liter amber bottle, and one 250-ml plastic container for each well. The containers were sealed with Teflon-lined caps (zero headspace in the VOAs), labeled, stored in a portable cooler maintained at 4 degrees Celsius, and transported to a state-certified laboratory for analysis. Each sample was recorded on a chain-of-custody form identifying the sample identification, date and time of collection, sample matrix and containers, preservative, requested analyses, sampler's name, couriers used, responsible laboratory personnel, and requested analyses.

Samples collected on June 18 and July 26, 2013 were analyzed for VOCs by EPA Method 8260B, title 22 Metals by EPA Method 6010B/7471A, and 1,4-dioxane by EPA Method 8270C. A summary of the laboratory analytical results for metals, VOCs, and 1,4-dioxane is provided on Tables 9, 11, and 12, respectively. Copies of the laboratory analytical reports and chain-of-custody records are included in Appendix C.

4.6 Surficial Asphalt and Concrete Sampling

On July 26, 2013, chip samples of the asphalt or concrete were collected at the surface in the immediate vicinities of the locations where the borings for the split samples were drilled (Boring locations B4, B10, B12, B38, B39, B55, GW1, and GW3). Concrete samples were located near Borings B4, B10, B12, and B55, identified as B4-Con, B10-Con, B12-Con, and B55-Con, respectively. Asphalt samples were collected near Borings B38, B39, GW1, and GW3, identified as B38-As, B39-As, GW1-As, and GW3-As, respectively. Samples were collected with the use of a breaker bar and chisel and placed in labeled 4-ounce glass jars. The jars were placed in a portable cooler maintained at 4 degrees Celsius, and transported to a state-certified laboratory on the same day of collection. The samples were recorded on a chain-of-custody record identifying the sample identification, date and time of collection, sample matrix (solids) and containers, requested analyses, sampler's name, couriers used, responsible laboratory personnel, and requested analyses.

The samples were analyzed for VOCs by EPA Method 8260B. A summary of the laboratory analytical results are provided on Table 14. Copies of the laboratory analytical reports and chain-of-custody records are included in Appendix C.

4.7 Equipment Decontamination

All reusable soil and groundwater sampling/measuring equipment (hand auger, split-spoon samplers, sampling rods, electronic interface probe, water meters, etc.) were decontaminated prior to use, utilizing a three-bucket wash consisting of a non-phosphate detergent wash, tap water, and distilled water. The augers used to drill with the hollow stem auger rig were steam-cleaned over an auger rack that permits collection of decontamination water.

4.8 Investigation-derived Waste Disposal

Investigation-derived wastes (soil cuttings, decontamination water, and well development water) generated during the field operations were placed in 55-gallon Department of Transportation (DOT) drums and temporarily stored on-site, pending disposal. A total of 16 drums were filled with soil waste and 15 drums with decontamination and well development water waste. The laboratory analytical results of the soil samples were used to profile the soils prior to disposal. Following profile approval by the disposal facility, on July 18, 2013 and July 31, 2013 the drums containing soil cuttings were transported off-site to the Soil Safe of California disposal facility, located in Adelanto, California. The drums containing decontamination and well development water were transported to the Demenno Kerdoon disposal facility, located in Compton, California. Both waste streams were transported and disposed as a nonhazardous waste. Copies of the nonhazardous waste manifests are provided in Appendix F.

5. PRELIMINARY SOIL SCREENING LEVELS AND CHEMICALS OF CONCERN

Soil samples were collected from the Site and analyzed for volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), metals, and 1,4-dioxane. The VOC Chemicals of Concern (COCs) and the preliminary Soil Screening Levels (SSLs) in shallow soils are summarized below.

Depth-specific SSLs for benzene, tetrachloroethene (PCE), TCE, cis-1,2-dichloroethene (cis-1,2-DCE), 1,1-dichloroethane (1,1-DCA), 1,2-dichlorobenzene, 1,1-dichloroethene (1,1-DCE), and trans-1,2-dichloroethene (trans-1,2-DCE) were developed using the Attenuation Factor (AF) Method for VOCs presented in Chapter 5 and in Appendix A of the Los Angeles Regional Water Quality Control Board (LARWQCB) May 1996 Interim Site Assessment and Cleanup Guidebook (Guidebook). First, depth-specific AFs were calculated based on the vertical distance between the groundwater table and the point of VOC detection, the average lithological thicknesses of clay, silt, and sand in all borings that were evaluated, and on Table 5-1 of the Guidebook (or Table 4 of Appendix A of the Guidebook). The analytical results from a total of 53 borings were utilized to develop AFs for the 2.5- and 5-foot sample depths. For the 10-foot sample depth, a total of 29 borings were utilized. Second, depth-specific SSLs were calculated by multiplying the AFs by the California Department of Public Health Maximum Contaminant Levels (MCLs) for the each VOC. The calculated AFs and SSLs are presented on Table 1. Table 2 compares the VOC sample results to the MCL based SSLs.

For comparison, Table 2 also includes Environmental Screening Levels (ESLs), presented in the San Francisco Bay Regional Water Quality Control Boards guidance document, *Screening for Environmental Concerns at Site with Contaminated Soil and Groundwater.* Note that the ESLs are generally significantly higher than the calculated AF-SSLs, with some exceptions.

6. FINDINGS AND CONCLUSIONS

Soils encountered within the vadose zone (upper 11 to 12 feet) throughout the Site consisted predominantly of stiff to very stiff fat and lean clays, with localized lenses of silt, sandy silt, clayey and silty

sands, poorly- to well-graded sands, and gravels. Artificial, non-compacted fill was observed locally throughout the Site within the upper 1 to 3 feet, consisting of clay, silt, sand, and/or gravel with asphalt and other debris. Deep fills (approximately 11-feet bgs) were observed in the boring of Well GW3, and may be present at other locations on Site. Documentation obtained for an adjacent property indicates fill soils 7 to 11-feet thick (LeRoy Crandall and Associates, Report of Foundation Investigations, Proposed Office Building, Panama Street and Beethoven Street, Los Angeles, Ca, August 6, 1981).

The clays are underlain by an approximately 5- to 7-foot thick layer of well-graded, clayey to silty wet sands which constitute the perched aquifer observed across the Site. The top of the perched groundwater was observed at approximately 10 to 12.5 feet bgs. The wet sands are underlain by a layer of highly plastic clay encountered at approximately 16 to 20 feet bgs which define the bottom of the wet sands and the perched groundwater. The underlying clays were observed to the depths explored (21.5 feet bgs).

The depth to groundwater in Wells GW1, GW2, and GW3 was measured at 9.7 to 12.3 feet below top of casing (Table 13). As indicated on Figure 8, the groundwater flow direction of the perched groundwater zone was calculated to be to the southwest at a gradient of 0.0040 feet per foot. The lithology and the estimated groundwater surface across the Site is graphically illustrated on Cross Sections A-A' and B-B' (Figure 6).

Except for Boring ENVB10B in the former hazardous waste storage area, no hydrocarbon odors were observed in any of the borings drilled throughout the Site. Strong odors were detected in the upper three feet of Boring ENVB10B. No staining was observed in any of the soils observed.

Significant PID readings were observed in soil samples from Boring ENVB10B, the highest of which was detected at 0.5 to 1.0 foot bgs (769 ppmv) and at 3 feet bgs (236 ppmv). PID readings greater than 1.0 ppmv were also observed in soil samples from Borings B39, B40, B44, B45, B46, B54, B55, B77, B80, B81, B82, B84, B85, B97, ENVB4B, ranging up to 70 ppmv (B55 at 2.5 feet bgs). The highest PID readings were generally detected in the upper 5 feet.

6.1 Laboratory Results

6.1.1 Soil-Matrix Results

A tabulated summary of the laboratory analytical results for Title 22 metals, TPH (TPHg, TPHd, and TPHo), VOCs, and 1,4-dioxane in soil are provided in Tables 3, 4, 5, and 6, respectively. A tabulated summary of the laboratory analytical results for metals, VOCs, and 1,4-dioxane in split soil samples collected in conjunction with Environ's samples are summarized in Tables 3A, 5A, and 6A, respectively. A summary of laboratory analytical results for VOCs in soil-matrix and VOCs in soil-vapor samples collected by Geosyntec are provided on Tables 5B and 7A, respectively. The distribution, estimated extent, and isoconcentration contours of maximum VOC concentrations (PCE, TCE, or cis-1,2-DCE) in the soil matrix between 1 and 5 feet bgs are provided on Figures 5 and 6. The distribution, extent, and isoconcentration contours of PCE, TCE, and cis-1,2-DCE at 2.5, 5, and 10 feet bgs were plotted separately on Figures 9 through 17. Note that these figures illustrate the interpreted isoconcentration contours at the AF-SSL for each compound and depth, showing the areas that are above AF-SSLs for PCE, TCE, and cis-1,2-DCE. The isoconcentration contours at the SFRWQCB May 2013 Tier 1 Environmental Screening Levels, using Summary Table A - ESLs in Shallow Soils, Groundwater is Current or Potential Source of Drinking Water (SFRWQCB-ESLS) for each compound are also shown.

As indicated on Figure 5, detectable VOC concentrations are located throughout the central and southern portions of the Site and extend to the southeastern and southwestern property boundaries, including the areas of Buildings #2 and #4 and portions of Building #1. Concentrations of PCE, TCE, and cis-1,2-DCE

were detected ranging up to 40,600 micrograms per kilogram (µg/kg), 1,200 µg/kg, and 4,300 µg/kg, respectively. The highest concentrations were detected at 2.5 feet bgs and generally decreased with depth. A summary of the soil analytical results are provided in the following sections.

6.1.1.1 Tetrachloroethene (PCE)

- As indicated on the PCE isoconcentration maps at 2.5, 5, and 10 feet bgs (Figures 9 through 11), the highest PCE concentrations were detected in the vicinity of Borings B10 located within the hazardous waste storage yard area, and at Borings GW3 and B80 located southwest of Building #2, along the southeastern property boundary. PCE concentrations were detected in Boring B10 at 40,600 µg/kg (2.5 feet bgs) and 10,500 µg/kg (5 feet bgs), decreasing approximately two orders of magnitude to 45.7 µg/kg at 10 feet bgs. PCE concentrations were detected at Boring GW3 at 2,960 µg/kg (2.5 feet bgs) and 15,000 µg/kg (5 feet bgs, detected in split sample ENV-GW3B-5), decreasing to 324 µg/kg at 10 feet bgs and 71.2 µg/kg at 15 feet bgs. PCE concentrations were detected in Boring B80 at 3,400 µg/kg (2.5 feet bgs), decreasing to 360 µg/kg at 5 feet bgs and 110 µg/kg at 10 feet bgs.
- The vertical extent of the elevated PCE concentrations within the hazardous waste storage yard area were defined at Boring VA1 at 15 feet bgs, detected at a trace level of 2.14J µg/kg. No PCE was detected in VA1 within the underlying clays at 20 feet bgs.
- The vertical extent of PCE at Boring GW3 below 15 feet bgs (where PCE was detected at 71.2 µg/kg) was not defined by laboratory analytical data. However, in reviewing the boring log for GW3, the underlying clay layer below the perched aquifer was encountered at 18.5 feet bgs. Therefore, the clay layer likely prevented further vertical migration of PCE in this area. The vertical extent of PCE at Boring B80 (approximately 85 feet southwest of GW3) below 10 feet bgs (where PCE was detected at 110 µg/kg) was also not defined by laboratory analytical data. However, considering the underlying clay layer below the perched aquifer is likely continuous across the Site (detected in Boring GW1 at 20 feet bgs), the clay layer likely prevented further downward migration of PCE at B80 as well.
- As shown on the PCE at 2.5 and 5 feet figures, the interpreted lateral extent of detectable PCE concentrations was defined slightly east of the hazardous waste storage yard area, to the north at the northern perimeter of Building #1, and to the west within Building #1. The PCE extends across the parking lot to the southeast and southwest property boundaries and was not defined. Note also that no PCE concentrations were detected in Geosyntec's borings SVP-1 through SVP-5 located in the former drum spill area, north of the hazardous waste storage yard. The lateral extent of PCE in soil-matrix does not extend to this area.
- The interpreted lateral extent of PCE above the AF-SSLs at 30 µg/kg, 29 µg/kg, and 20 µg/kg for depths of 2.5, 5, and 10 feet are also shown on Figures 9, 10, and 11, respectively. The lateral extent of PCE above the SSL of 30 µg/kg at 2.5 feet bgs was defined throughout the hazardous waste storage area between Buildings #1 and #4 and below the northern portion of Building #4, throughout the central portion of Building #1, throughout the majority of Building #2 and extending northwest to the southeastern corner of Building #1, the area southwest of Building #2, and localized areas near the southwest property boundary. Smaller areas of PCE-impacted soil above the AF-SSLs at 5 and 10 feet bgs (29 µg/kg and 20 µg/kg) were defined in the vicinities of Borings B10, GW3, and B80.

- The PCE concentrations in the vicinity of Boring B10 and nearby Borings B8 and B9 appear to have been the result of leaks from the hazardous waste storage area.
- The PCE concentrations in the vicinity of GW3 may be related to the prior placement of deep fills and other debris (up to 11-feet bgs) detected at this boring. Note also that fills were logged in the upper 2 to 2.5 feet at Borings ENV-B39B (located adjacent to B39) and B85. PCE was detected at 84 µg/kg and 210 µg/kg at 2.5 feet bgs in Borings ENV-B39B and B85, respectively. PCE decreased at these locations by approximately two orders of magnitude at 5 feet bgs (5.26J µg/kg and 0.50J µg/kg), below the fill/cut contact. PCE also decreased by an order of magnitude across the fill/cut contact in GW3 (from 324 µg/kg at 10 feet bgs to 71.2 µg/kg at 15 feet bgs). The decrease of PCE below the fill/cut contacts at each area suggests that contaminated fill was placed in these areas.
- The origination of PCE in the vicinity of Boring B80 (no fill was logged at this location) is unknown.
- Based on laboratory analytical results, other sources of PCE releases may have originated from operations throughout Building #1, including possibly the thick film trench and sump areas at the south-eastern portion of Building #1, and possibly from the former plating area near Boring B4.

6.1.1.2 Trichloroethene (TCE)

- As indicated on the TCE isoconcentration map at 2.5 feet bgs (Figure 12), the highest TCE concentrations were detected in the vicinity of Borings B39 and B85 located near the south-western property boundary in the parking lot area, detected at 1,200 µg/kg and 730 µg/kg (2.5 feet bgs), respectively. TCE concentrations decreased in these borings with depth (at 5 feet bgs) to 7.48J and 4.4 µg/kg. The vertical extent of TCE in this area is considered sufficiently defined at 5 feet bgs in this area.
- As indicated on Figure 12, elevated concentrations of TCE at 2.5 feet bgs (107 µg/kg to 452 µg/kg) are also present in a narrow area extending from B4 (former plating area) to Borings B9 and B10 (hazardous waste storage yard area) and to Boring B12 (former chemical storage area). Based on the laboratory analytical results in samples from Boring VA1, the vertical extent of TCE in this area is considered adequately defined at 15 feet bgs, where only a trace level of TCE detected (3.64J µg/kg). No TCE was detected in VA1 within the underlying clays at 20 feet bgs. Note that TCE was detected in Boring B78 (located slightly southeast of B12) at 10 feet bgs, at a concentration of 40 µg/kg (Figure 14), which is slightly above the AF-SSL of 20 µg/kg. The TCE in this area, however, is believed to be defined vertically at 20 feet bgs due to the presence of the underlying clay layer.
- As indicated on Figures 12 through 14, the lateral extent of detectable TCE concentrations is defined within the property boundaries in all directions except to the southwest, where TCE at 2.5 feet bgs may extend offsite beyond B39 (see Figure 12). Note also that no TCE concentrations were detected in Geosyntec's borings SVP-1 through SVP-5 located in the former drum spill area. TCE was detected in Alta's boring B52 at 2.5 feet bgs, located in the spill area, but only at trace levels (1.54J µg/kg). The northern extent of TCE in this area in the soil-matrix was defined by borings SVP-1 through SVP-5.
- The lateral extent of TCE above the AF-SSL of 30 µg/kg at 2.5 feet bgs is defined within four areas of the Site (Figure 12), which include the central portion of the Site (former plating and

closed sump/clarifier area, thick film trench and sump area, hazardous waste storage area, and the area between chemical storage area and northwest portion of Building #2), two areas within the southwest parking lot near the property boundary, and the area of GW3 southwest of Building #2. Smaller areas of TCE above AF-SSLs at 5 and 10 feet bgs were included in the areas of B65, GW3, and B78 (Figures 13 and 14).

- Similar to PCE, the TCE concentrations in the vicinities of B39, B85, and GW3 may be related to the presence of artificial fill at these locations. In addition, TCE is a breakdown product of PCE, as well as having been used as a product. Similar to PCE, the concentrations of TCE decreased below the fill/native contacts in each area, suggesting that contaminated fill was placed in these areas.

6.1.1.3 Cis-1,2-dichloroethene (DCE)

- As indicated on Figure 15, the highest cis-1,2-DCE concentrations were detected in Borings B9, B12, B13, B55, and B85 at 2.5 feet bgs, ranging up to 4,300 µg/kg (split sample ENV-B55B-2.5, located adjacent to Boring B55). These borings were located within the hazardous waste storage yard area, chemical storage area, and near the south-western property boundary in the parking lot area. Cis-1,2-DCE is a breakdown product of PCE and TCE, so the source areas of cis-1,2-DCE are believed to be the same as the source areas for PCE and TCE.
- Cis-1,2-DCE concentrations decreased with depth, ranging up to a maximum of 78 µg/kg at 10 feet bgs (Boring B79). The vertical extent of cis-1,2-DCE was defined in the hazardous waste storage yard area at Boring VA1, at 15 feet bgs. The vertical extent of cis-1,2-DCE in other areas at the Site was not fully defined by laboratory analytical data. However, the underlying clay layer likely prevented downward migration of the cis-1,2-DCE.
- As shown on Figures 15 and 16, the lateral extent of detectable cis-1,2-DCE concentrations is interpreted to be present within a continuous soil plume extending from the hazardous waste storage area to the southwest property. The lateral extent is defined in all directions except to the southwest, where cis-1,2-DCE at 2.5 feet bgs may extend offsite beyond the vicinities of GW1, B39, and B86 (Figure 15).
- Very low concentrations of cis-1,2-DCE were detected in Geosyntec's borings located in the former drum spill area, in SVP-3 at 10 feet bgs, SVP-4 at 5 and 10 feet bgs, and SVP-5 at 5 and 10 feet bgs, ranging from 1.3 µg/kg to 4.6 µg/kg, all below the SSL of 36 µg/kg. The lateral extent of cis-1,2-DCE concentrations in the soil-matrix is interpreted to be defined slightly north of the former spill area.
- The cis-1,2-DCE concentrations above the SSL of 36 µg/kg at 2.5 feet bgs also extends in a continuous soil plume from the hazardous waste storage area to the southwest property (Figure 15). Similar to PCE and TCE, the lateral extent of cis-1,2-DCE concentrations above SSLs decrease with depth (See Figures 16 and 17).

6.1.1.4 Other VOCs

- Other detected VOC COCs in soil-matrix samples included benzene, 1,2-dichlorobenzene, 1,1-DCA, 1,1-DCE, and trans-1,2-DCE, ranging in concentration up to 9.8 µg/kg, 120 µg/kg, 10.1 µg/kg, 12.9 µg/kg, and 70 µg/kg, respectively. Except for 1,1-dichloroethene, the maximum

concentrations of these VOCs were detected at 2.5 feet. The maximum concentration of 1,1-dichloroethene was detected at 5.0 feet bgs.

- Only benzene and trans-1,2-dichloroethene were detected above the respective AF-SSLs. As indicated on Table 2, concentrations of benzene above the AF-SSL of 6.0 µg/kg at 2.5 feet bgs were detected in only 5 samples: B38-2.5 (6.98 µg/kg), B69-2.5 (6.06 µg/kg), B73-2.5 (8.52 µg/kg), B80-2.5 (6.4 µg/kg), and B98-2.5 (9.8 µg/kg). Concentrations of trans-1,2-dichloroethene above the AF-SSL of 60 µg/kg at 2.5 feet bgs was detected in only one sample (B12-2.5 at 70 µg/kg). The concentrations of PCE, TCE, and/or cis-1,2-DCE in each of these samples were also detected above their respective AF-SSLs. There are no areas other than PCE, TCE, and cis-1,2-DCE where the AF-SSLs of other VOCs are exceeded.
- The highest concentrations of each of these other VOCs were below the SFRWQCB-ESLs.

6.1.1.5 Metals

- Concentrations of Title 22 Metals were reported below the SFRWQCB-ESLs (commercial/industrial scenario), with the exception of arsenic for the majority of the soil samples, and for beryllium, cadmium, selenium, and thallium for one sample (B76-2.5) (Table 3). Note that arsenic is a naturally occurring metal in southern California soils and elevated concentrations of arsenic are frequently encountered. Based on Alta's experience at other sites, aside from the metals detected at B76-2.5, the concentrations of Title 22 metals including arsenic detected throughout the Site are indicative of background levels for southern California soils.
- In sample B76-2.5, concentrations of arsenic, beryllium, cadmium, selenium, and thallium were detected at 30.6 mg/kg, 25.7 mg/kg, 25.6 mg/kg, 23.2 mg/kg, and 22.4 mg/kg, respectively. Lower concentrations were detected in the same boring at 5 feet bgs, below the SFRWQCB ESLs. Elevated concentrations of antimony (5.11 mg/kg), cobalt (31.3 mg/kg), molybdenum (23.5 mg/kg), and silver (13.6 mg/kg) were also detected in sample B76-2.5, which are significantly above the metal concentrations of other samples. Significantly lower concentrations of antimony, cobalt, molybdenum, and silver were also detected in B76 at 5 feet bgs.
- Based on the elevated concentrations of metals in sample B76-2.5 compared to the concentrations of other samples throughout the Site, the lateral and vertical extent of elevated metals concentrations above ESLs is limited to the upper 5 feet of soil in the immediate vicinity of B76, located slightly south of the eastern portion of Building #4.
- No concentrations of hexavalent chromium were detected above laboratory Practical Quantitation Limits (PQLs) in the 6 samples analyzed, except for a low concentration of 0.5 mg/kg, detected in B5-2.5. The concentration of 0.5 mg/kg is at the PQL for this compound and is well below the SFRWQCB ESL of 8.0 mg/kg.

6.1.1.6 Total Petroleum Hydrocarbons

- No detectable concentrations of TPH as carbon chain (C_4-C_{36+}) were reported above the laboratory PQLs, except for a very low concentration of TPH as gasoline (C_4-C_{12}) detected in one sample (B9-2.5 at 1.58 milligrams per kilogram [mg/kg]) (Table 4). This concentration is considered insignificant and is not an environmental concern.

6.1.1.7 1,4-Dioxane

- No detectable concentrations of 1,4-dioxane were reported above the Method Detection Limit of 0.0014 µg/kg in any of the analyzed samples, except for split samples ENV-B12B-2.5 (0.013 µg/kg) and ENV-B12B-5 (0.020 µg/kg), each collected at 2.5 and 5 feet bgs from Boring ENV-B12B, located near Boring B12.
- The SFRWQCB-ESL for 1,4-dioxane is 0.0015 µg/kg, therefore the 1,4-dioxane concentrations from ENV-B12B are above the SFRWQCB-ESL. Elevated concentrations of PCE, TCE, and/or cis-1,2-DCE were detected above AF-SSLs at Boring B12 at 2.5 and 5 feet bgs. Aside from the vicinity of B12, based on the laboratory results of soil samples analyzed for 1,4-dioxane, there are no significant areas of 1,4-dioxane impact in subsurface soils.

6.1.1.8 SVOCs

- With the exception of 1,4-dioxane discussed above, no detectable concentrations of semi-volatile organic compounds (SVOCs), including phenols and surfactants, were reported above MDLs in any of the samples analyzed (B38-2.5, B38-5, VA1-10, and VA1-15).

6.1.1.9 Surficial Samples

- Trace levels of VOC COCs benzene, 1,2-dichlorobenzene, PCE, and TCE were detected below AF-SSLs in selected asphalt and concrete samples (Table 14). Various other VOCs (acetone, 2-butanone, chloroform, ethylbenzene, styrene, toluene, 1,1,1-trichloroethane, and total xylenes) were also detected at trace concentrations. Note that 1,1,1-trichloroethane was detected in one sample at the surface of Boring B12, at 4.1 µg/kg.

6.1.2 Soil-Vapor Analytical Results

- For all samples analyzed, concentrations of VOCs in soil-vapor were reported below 2010 California Human Health Screening Levels (CHHSLs) for industrial properties (no engineered fill), with the exception of PCE, TCE, cis-1,2-DCE, vinyl chloride, and carbon tetrachloride.
- Maximum concentrations of PCE, TCE, cis-1,2-DCE, vinyl chloride, and carbon tetrachloride were detected at 6,400 micrograms per liter (µg/l), 127 µg/l, 386 µg/l, 23 µg/l, and 0.134 µg/l, respectively. Elevated concentrations were detected at depths ranging from 4 to 10 feet bgs. Table 7 summarizes the soil vapor laboratory analytical results.
- As indicated on Figure 7, the highest PCE concentration of 6,400 micrograms per liter (µg/l) was detected at vapor probe location B10, at 5 feet bgs. Elevated concentrations of PCE, TCE, and/or cis-1,2-DCE are located within the 100- µg/l contours, in the areas of the hazardous waste storage yard, western portion of Building #4, central portion of Building #1, chemical storage area, and west of Building #2. Maximum concentrations of PCE, TCE, and cis-1,2-DCE above 5 ug/l are interpreted to extend throughout the north-central, central, southern, and southwestern portions of the Site. The lateral extent of the 5-µg/l contour was not defined to the south and southwest (Figure 7).
- Concentrations of various VOCs were detected in Geosyntec's vapor samples collected from probes SVP-1 through SVP-9 in the former drum spill area and along the northeastern boundary, including most notably PCE, TCE, cis-1,2-DCE, vinyl chloride, trans-1,2-DCE, 1,1-dichloroethane, 1,1-dichloroethene, and BTEX. Concentrations of PCE, TCE, cis-1,2-DCE, vinyl chloride, and

benzene ranged up to 0.22 µg/l, 0.29 µg/l, 7.8 µg/l, 0.86 µg/l, and 0.091 µg/l, respectively. The highest VOC concentrations, including vinyl chloride, were detected in the former drum spill area, except for PCE (detected in SVP-7 at 5 feet bgs located within Building #3/6) and benzene (detected in SVP-8 located south of the southeastern corner of Building #3/6). The only VOC in soil-gas samples collected from SVP-1 through SVP-9 that was detected above CHHSLs for industrial properties (no engineered fill) was vinyl chloride, detected in probes installed in the former drum spill area. No vinyl chloride was detected in probes installed along the northeastern boundary.

6.1.3 Groundwater Analytical Results

- Concentrations of VOCs were reported below California Department of Public Health Maximum Contaminant Levels (MCLs), with the exception of PCE, TCE, cis-1,2-dichloroethene, 1,1-DCA, and vinyl chloride.
- Maximum concentrations of PCE, TCE, cis-1,2-DCE, 1,1-DCA, and vinyl chloride in groundwater samples were detected at 125 µg/l, 121 µg/l, 140 µg/l, 5.59 µg/l, and 1.10J µg/l, respectively (Table 10).
- As indicated on Figure 8, the highest concentrations of PCE, TCE, and/or cis-1,2-DCE are located within the 100- µg/l contour, extending from the central portion of the Site (hazardous waste storage yard) to the southwest in the down-gradient direction. The lateral extent of detectable PCE, TCE, and/or cis-1,2-DCE concentrations are defined to the west (cross-gradient, beneath Building #1) and to the north and northeast (up-gradient). The down-gradient extent to the southwest and cross-gradient extent to the southeast has not been defined.
- Concentrations of Title 22 Metals were reported below MCLs, with the exception of antimony, arsenic, barium, beryllium, cadmium, chromium, nickel, and selenium (Table 8). Despite being above MCLs for selected metals, the concentrations of Title 22 Metals detected in the groundwater samples are considered to be within background levels for the uppermost groundwater zone in the Site vicinity.
- No detectable concentrations of TPH were reported above laboratory PQLs in the analyzed samples (Table 9);
- Concentrations of 1,4-dioxane were detected in two water samples: B48A at 54 µg/l and GW1 (sampled July 26, 2013) at 1.9 µg/l (Table 12). As a comparison, the SFRWQCB-ESL for 1,4-dioxane is 2.5 µg/l. The concentrations at B48A are therefore above the SFRWQCB-ESLs.

7. RECOMMENDATIONS

- Based on the laboratory analytical data, Alta recommends preparing an offsite investigation work plan which will include the scope of work to evaluate the extent of VOC impacts in soil-matrix, soil-gas, and groundwater offsite to the south and southwest. Installation and sampling of permanent groundwater monitoring wells located down-gradient of the Site will be proposed.
- Prepare a Remedial Action Workplan outlining the scope of work to excavate, transport, and dispose of VOC-impacted soils above Industrial AF-SSLs located at various areas throughout the Site and the localized metals-impact in the vicinity of Boring B76.

8. REFERENCES

1. Agency for Toxic Substances and Disease Registry (ATSDR), U.S. Department of Health and Human Services, 2008.
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TABLES

TABLE 1
Soil Screening Levels Using Attenuation Factor Method
12922 Panama Street
Los Angeles, California

Depth	Distance Above Groundwater	Depth to Groundwater	Average lithology	AF	SSL (Benzene)	SSL (PCE)	SSL (TCE)	SSL (DCE)	SSL (1,1-DCA)	SSL (1,2-Dichlorobenzene)	SSL (1,1-DCE)	SSL (trans-1,2-DCE)
(ft. bgs)	(feet)	(ft. bgs)	%		(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
2.5	9	11.5	Clay - 82 Silt/Sand - 18	6.0	6.0	30	30	36	30	3,600	36	60
5.0	6.5	11.5	Clay - 80 Silt/Sand - 20	5.8	5.8	29	29	35	29	3,480	35	58
10	1.5	11.5	Clay - 50 Silt/Sand - 50	4.0	4.0	20	20	24	20	2,400	24	40
			MCL (ppb):		**1**	**5**	**5**	**6**	**5**	**600**	**6**	**10**

NOTES:
AF = Attenuation Factor, calculated using Table 5-1 of 1996 RWQCB Guidance Document
SSL = Soil Screening Levels = AF x MCL
MCL = State of California Maximum Contaminant Level in Groundwater (ppb) for selected VOC
Lithology % = Approximate percentage of vertical distribution of soil lithology between sample depth and groundwater depth, based on borings located throughout the PCE, TCE, and cis-1,2-DCE plume areas
PCE = Tetrachloroethene
TCE = Trichloroethene
DCE = cis-1,2-dichloroethene
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
ft. bgs = feet below ground surface
ppb = parts per billion

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B1-5	B1-10	B2-2.5	B2-5	B3-2.5	B3-5	B4-2.5	B4-5	B5-5
						Date:	4/26/2013	4/26/2013	4/25/2013	4/25/2013	4/25/2013	4/25/2013	4/29/2013	4/29/2013	4/29/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0				1.16J		1.58J		1.68J		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0		ND			ND		ND		ND	ND
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0			ND							
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100				ND		ND		ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100		ND			ND		ND		ND	ND
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100			ND							
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200				ND		ND		ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200		ND			ND		ND		ND	ND
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200			ND							
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000				ND		ND		ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000		ND			ND		ND		ND	ND
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000			ND							
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190				8.24J		8.64J		9.18J		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190		ND			ND		ND		ND	ND
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190			ND							
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670				ND		ND		ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670		ND			ND		ND		ND	ND
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670			ND							
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700				ND		ND		110		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700		ND			ND		ND		10.7	2.34J
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700			ND							
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460				ND		ND		300		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460		ND			ND		ND		31.4	5.10J
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460			ND							

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B5-10	B6-2.5	B6-5	B7-2.5	B7-5	B8-2.5	B8-5	B9-2.5	B9-5
						Date:	4/29/2013	4/29/2013	4/29/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0			1.22J		1.74J		1.98J		ND<4.65	
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0				ND		ND		ND		ND
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0		ND								
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100			ND		10.3		17.3		77.0	
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100				ND		107		56.6		5.04J
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100		ND								
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200			ND		10.1		1.34J		ND<6.5	
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200				ND		3.74J		ND		4.36J
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200		ND								
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000			ND		ND		ND		ND<8	
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000				ND		ND		ND		ND
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000		ND								
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190			2.84J		204		4.18J		1,190	
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190				ND		69.4		ND		107
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190		ND								
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670			ND		4.22J		ND		ND<13	
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670				ND		ND		ND		ND
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670		ND								
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700			30.0		7.88J		316		725	
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700				1.66J		ND		65.2		29.6
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700		2.48J								
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460			58.0		5.22J		34.0		452	
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460				4.60J		ND		4.32J		11.3
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460		6.30J								

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B10-2.5	B10-5	B11-2.5	B11-5	B12-2.5	B12-5	B13-2.5	B13-5	B14-2.5
						Date:	4/26/2013	4/26/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	5/1/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		ND<46.5		4.04		ND<4.65		ND<4.65		2.28
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND<18.6		ND		ND		ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0										
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND<51.5		5.20J		120		42.5J		ND
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND<20.6		ND		3.24J		ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100										
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND<65		ND		ND<6.5		ND<6.5		ND
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND<26		ND		ND		ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200										
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND<80		ND		ND<8		ND<8		ND
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND<32		ND		ND		ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000										
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		ND<108		108		4,190		1,810		ND
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			ND<43.2		9.40J		218		132	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190										
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND<130		7.60J		70.0		26.0J		ND
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND<52		ND		ND		ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670										
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		40,600		133		59.0		22.0J		43.4
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			10,500		3.78J		ND		ND	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700										
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		215J		69.2		160		ND<5.75		15.7
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			ND<23		3.46J		ND		ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460										

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B14-5	B15-2.5	B15-5	B16-2.5	B16-5	B16-10	B17-2.5	B17-5	B18-2.5
						Date:	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0			3.40		1.18J			ND		ND
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0		ND		ND		ND			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0							ND			
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100			ND		ND			ND		ND
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100		ND		ND		ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100							ND			
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200			ND		2.34J			ND		ND
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200		ND		ND		ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200							ND			
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000			ND		ND			ND		ND
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000		ND		ND		ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000							ND			
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190			13.4		162			ND		ND
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190		ND		ND		23.3			ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190							3.46J			
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670			ND		4.90J			ND		ND
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670		ND		ND		ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670							ND			
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700			84.6		42.6			ND		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700		1.24J		6.58J		1.80J			ND	ND
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700							ND			
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460			34.5		67.5			1.86J		ND
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460		ND		2.70J		2.78J			ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460							ND			

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B18-5	B19-2.5	B19-5	B20-2.5	B20-5	B20-10	B21-2.5	B21-5	B21-10
						Date:	5/1/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0			ND		ND			ND		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0		ND		ND		ND			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0							ND			ND
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100			ND		ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100		ND		ND		ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100							ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200			ND		ND			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200		ND		ND		ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200							ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000			ND		ND			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000		ND		ND		ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000							ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190			ND		6.10J			ND		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190		ND		ND		ND			ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190							ND			ND
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670			ND		ND			ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670		ND		ND		ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670							ND			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700			ND		18.1			2.12J		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700		ND		4.76J		1.10J			ND	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700							ND			ND
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460			ND		5.10J			ND		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460		ND		9.28J		ND			ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460							ND			ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B22-2.5	B22-5	B22-10	B23-2.5	B23-5	B23-10	B28-2.5	B28-5	B29-2.5
						Date:	5/2/2013	5/2/2013	5/2/2013	5/1/2013	5/1/2013	5/1/2013	4/25/2013	4/25/2013	5/1/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		ND			ND			2.4		ND
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND			ND			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				ND			ND			
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND			ND			ND		ND
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND			ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND			ND			
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND			ND			ND		ND
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND			ND			ND		ND
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		ND			ND			ND		ND
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			ND			ND			ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				ND			ND			
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND			ND			ND		ND
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND			ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			ND			
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		ND			44.0			20.9		84.4
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			ND			3.32J			ND	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				ND			ND			
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		ND			ND			ND		ND
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			ND			ND			ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				ND			ND			

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B29-5	B29-10	B31-2.5	B31-5	B31-10	B37-2.5	B37-5	B38-2.5	B38-5
						Date:	5/1/2013	5/1/2013	5/2/2013	5/2/2013	5/2/2013	6/6/2013	6/6/2013	6/7/2013	6/7/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0				ND			3.90		6.98	
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0		ND			ND			ND		ND
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0			ND			ND				
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100				ND			ND		ND	
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100		ND			ND			ND		ND
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100			ND			ND				
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200				ND			ND		ND	
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200		ND			ND			ND		ND
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200			ND			ND				
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000				ND			ND		ND	
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000		ND			ND			ND		ND
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000			ND			ND				
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190				ND			ND		ND	
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190		ND			ND			ND		ND
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190			ND			ND				
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670				ND			ND		ND	
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670		ND			ND			ND		ND
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670			ND			ND				
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700				ND			45.5		302	
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700		3.56J			ND			2.76J		8.56J
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700			4.12J			ND				
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460				ND			ND		2.44J	
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460		ND			ND			ND		ND
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460			ND			ND				

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B39-2.5	B39-5	B40-2.5	B40-5	B43-5.0	B43-10	B44-5.0	B44-10	B45-2.5
						Date:	6/7/2013	6/7/2013	6/7/2013	6/7/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		1.60J		1.00J						4.0
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND		ND	ND		ND		
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0							ND		ND	
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND		ND						9.74J
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND		ND	6.68J		ND		
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100							8.78J		ND	
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND		ND						2.42J
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND		ND	ND		ND		
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200							ND		ND	
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND		ND						ND
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND		ND	ND		ND		
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000							ND		ND	
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		26.9		54						238
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			2.52J		21.4	93.2		55.2		
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190							30		46.2	
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND		ND						14.5
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND		ND	ND		ND		
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670							ND		ND	
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		28.9		ND						7.96J
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			5.26J		ND	ND		1.88J		
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700							1.12J		3.44J	
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		159		11.4						123
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			7.48J		2.34J	1.28J		2.32J		
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460							2.32J		3.24J	

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B45-5.0	B46-2.5	B46-5	B47-2.5	B47-5.0	B48-2.5	B48-5.0	B49-2.5	B49-5.0
						Date:	6/6/2013	6/6/2013	6/6/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0			ND		5.50		ND		4.18	
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0		ND		ND		ND		ND		1.12J
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0										
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100			ND		ND		ND		ND	
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100										
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200			ND		ND		ND		ND	
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200		ND		ND		ND		ND		ND
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200										
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000			ND		ND		ND		ND	
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000		ND		ND		ND		ND		ND
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000										
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190			ND		59.2		3.00J		ND	
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190		49.7		ND		ND		4.94J		ND
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190										
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670			ND		3.06J		ND		ND	
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670		ND		ND		ND		ND		ND
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670										
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700			26.5		77.6		27.2		135	
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700		ND		ND		3.10J		22.4		47.3
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700										
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460			42.4		330		10		14.1	
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460		5.50J		2.20J		15.1		8.46J		6.22J
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460										

NOTES:
VOC = Volatile Organic Compound
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ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
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µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B49-10.0	B50-2.5	B50-5	B51-2.5	B51-5	B52-2.5	B52-5	B53-2.5	B53-5
						Date:	5/31/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0			2.84		2.76		1.82J		1.66J	
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0				ND		ND		ND		ND
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0		ND								
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100			ND		ND		ND		ND	
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100				ND		ND		ND		ND
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100		ND								
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200			ND		ND		ND		ND	
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200				ND		ND		ND		ND
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200		ND								
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000			ND		ND		ND		ND	
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000				ND		ND		ND		ND
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000		ND								
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190			ND		ND		24.4		132	
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190				ND		ND		3.10J		ND
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190		ND								
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670			ND		ND		ND		2.68J	
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670				ND		ND		ND		ND
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670		ND								
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700			36.1		89.3		ND		2.92J	
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700				ND		2.28J		ND		ND
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700		1.54J								
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460			3.48J		21.4		1.54J		8.44J	
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460				ND		1.24J		ND		1.38J
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460		ND								

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B54-2.5	B54-5.0	B55-2.5	B55-5.0	B56-2.5	B56-5.0	B57-2.5	B57-5	B58-2.5
						Date:	5/31/2013	5/31/2013	6/6/2013	6/6/2013	5/31/2013	5/31/2013	6/7/2013	6/7/2013	6/7/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		2.78		ND<9.3		1.94J		ND		1.78J
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND		ND		ND		ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0										
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		23.1		ND<10.3		ND		ND		ND
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			10		ND		ND		ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100										
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		8.20J		ND<13		ND		ND		ND
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND		2.44J		ND		ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200										
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND		ND<16		ND		ND		ND
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			12.9		ND		ND		ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000										
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		204		3,060		ND		ND		ND
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			ND		210		ND		ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190										
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		10.6		46.0J		ND		ND		ND
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND		3.04J		ND		ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670										
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		107		ND<9.3		21.7		12.3		42.6
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			2.94J		ND		1.20J		4.94J	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700										
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		107		ND<11.5		53.1		ND		1.24J
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			4.28J		2.56J		3.76J		ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460										

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B58-5	B61-2.5	B61-5.0	B62-2.5	B62-5.0	B63-2.5	B63-5	B64-2.5	B64-5
						Date:	6/7/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	6/7/2013	6/7/2013	6/28/2013	6/28/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0			1.86J		2.54		ND		ND	
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0		ND		1.72J		ND		ND		ND
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0										
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100			ND		ND		ND		ND	
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100		ND		ND		ND		ND		ND
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100										
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200			ND		ND		ND		ND	
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200		ND		ND		ND		ND		ND
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200										
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000			ND		ND		ND		ND	
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000		ND		ND		ND		ND		ND
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000										
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190			ND		ND		ND		ND	
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190		ND		ND		ND		ND		ND
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190										
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670			ND		ND		ND		ND	
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670		ND		ND		ND		ND		ND
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670										
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700			33.9		71.8		ND		ND	
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700		2.28J		34		13.3		ND		ND
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700										
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460			ND		22		ND		ND	
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460		ND		1.80J		4.68J		ND		ND
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460										

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B64-10	B65-2.5	B65-5	B65-10	B66-2.5	B66-5	B66-10	B67-2.5	B67-5
						Date:	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0			ND			ND			2.36	
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0				ND			ND			ND
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0		ND			ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100			ND			ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100				ND			ND			ND
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100		ND			ND			ND		
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200			ND			ND			ND	
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200				ND			ND			ND
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200		ND			ND			ND		
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000				ND			ND			ND
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000		ND			ND			ND		
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190			ND			ND			7.38J	
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190				ND			ND			ND
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190		ND			ND			ND		
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670			ND			ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670				ND			ND			ND
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670		ND			ND			ND		
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700			2.10J			2.14J			62	
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700				ND			ND			1.20J
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700		ND			ND			ND		
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460			8.68J			3.22J			56	
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460				2.34J			ND			1.26J
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460		ND			3.58J			2.80J		

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B67-10	B68-2.5	B68-5	B69-2.5	B69-5	B69-10	B70-2.5	B70-5	B70-10
						Date:	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
						VOC Concentration (µg/kg)									
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0			ND		6.06			3.28		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0				ND		ND			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0		ND					ND			ND
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100			ND		ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100				ND		ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100		ND					ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200			ND		ND			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200				ND		ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200		ND					ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000			ND		ND			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000				ND		ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000		ND					ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190			ND		ND			ND		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190				ND		ND			ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190		ND					ND			ND
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670			ND		ND			ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670				ND		ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670		ND					ND			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700			11.5		102			286		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700				2.92J		4.76J			6.00J	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700		2.82J					24.7			5.02J
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460			ND		2.00J			16		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460				ND		ND			ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460		3.16J					ND			ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
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AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
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ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B71-2.5	B71-5	B71-10	B72-2.5	B72-5	B72-10	B73-2.5	B73-5	B73-10
						Date:	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		ND			5.18			8.52		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND			ND			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				ND			ND			ND
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND			ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND			ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND			ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND			ND			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND			ND			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		ND			ND			ND		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			ND			ND			ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				ND			ND			ND
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND			ND			ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND			ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			ND			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		125			400			210		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			32			18.7			4.36J	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				75.4			31.2			29.6
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		ND			4.74J			2.16J		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			ND			ND			ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				ND			ND			ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
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µg/kg = micrograms per kilogram
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Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B74-2.5	B74-5	B74-10	B75-2.5	B75-5	B75-10	B76-2.5	B76-5	B76-10
						Date:	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		0.19J			ND			0.84		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND<0.14			ND			0.14J	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				0.30J			0.15J			0.35J
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND<0.25			ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND<0.25			ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND			ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND<0.23			ND			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND<0.23			ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND<0.38			ND			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND<0.38			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		ND<0.31			ND			ND		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			ND<0.30			ND			ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				ND			ND			ND
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND<0.56			ND			ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND<0.55			ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			ND			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		ND<0.23			ND			0.78J		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			ND<0.23			0.20J			ND	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				0.23J			0.97			0.36J
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		ND<0.33			ND			ND		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			ND<0.33			ND			ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				0.23J			ND			ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B77-2.5	B77-5	B77-10	B78-2.5	B78-5	B78-10	B79-2.5	B79-5	B79-10
						Date:	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		3.6			2.0			1.5		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND			ND			0.17J	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				ND			0.30J			0.23J
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND			ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND			ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND			ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND			0.23J			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			0.22J			0.23J	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			0.35J
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND			ND			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			0.33J
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		2.1			19			46		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			1.8			15			64	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				1.2			10			78
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND			0.79J			ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND			0.54J			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			ND			0.70J
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		56			32			2.5		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			10			9.9			0.91	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				12			20			2.2
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		49			58			13		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			8.7			24			6.2	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				7.8			40			10

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B80-2.5	B80-5	B80-10	B81-2.5	B81-5	B81-10	B82-2.5	B82-5	B82-10
						Date:	7/18/2013	7/18/2013	7/18/2013	7/19/2013	7/19/2013	7/19/2013	7/18/2013	7/18/2013	7/18/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		6.4			ND			1.70		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			0.12J			ND			0.23J	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				0.19J			0.19J			0.21J
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND			ND			1.6		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND			ND			2.9	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND			0.83J			6.9
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND			ND			0.83J		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			ND			0.41J	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			0.31J
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND			ND			0.86J		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		ND			2.2			130		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			ND			4.3			45	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				ND			4.3			33
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND			ND			30		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND			ND			5.3	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			ND			2.7
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		3400			2.1			0.64J		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			360			1.6			0.30J	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				110			4.7			0.70J
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		5.8			6.7			25		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			1.5J			8.4			5.7	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				0.91J			16			6.8

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B83-2.5	B83-5	B83-10	B84-2.5	B84-5	B84-10	B85-2.5	B85-5	B85-10
						Date:	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		2.9			0.41J			ND<6.0		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND			ND			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				0.16J			0.44J			ND
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		16			ND			120		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			4.6			ND			0.87J	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				8.5			ND<0.56			4.8
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		0.37J			ND			ND<9.7		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND<0.52			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		0.60J			ND			ND<16		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND<0.84			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		920			ND			1200		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			29			ND			32	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				7.1			ND<0.68			8.6
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		5.6			ND			ND<23		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND			ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			ND<1.2			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		0.79J			9.5			210		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			ND			1.0			0.50J	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				0.84			5.8			3.6
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		0.60J			6.9			730		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			0.90J			0.56J			4.4	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				2.8			3.7J			13

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B86-2.5	B86-5	B86-10	B87-2.5	B87-5	B87-10	B88-2.5	B88-5	B88-10
						Date:	7/18/2013	7/18/2013	7/18/2013	7/19/2013	7/19/2013	7/19/2013	7/18/2013	7/18/2013	7/18/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		1.9			0.59J			1.2		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND			ND			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				ND			0.12J			0.15J
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND			ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND			ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND			ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		1.6			ND			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		0.93J			ND			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		130			40			50		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			11			16			10	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				8.5			23			4.3
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		7.4			2.1			1.8		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND			ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			0.61J			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		1.1			0.36J			46		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			0.50J			ND			6.1	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				0.29J			0.23J			11
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		29			4.2			46		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			3.9			0.58J			1.7J	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				3.0			1.3J			1.9J

NOTES:
VOC = Volatile Organic Compound
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ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B89-2.5	B89-5	B89-10	B90-2.5	B90-5	B90-10	B91-2.5	B91-5	B91-10
						Date:	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/16/2013	7/16/2013	7/16/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		1.1			ND			0.87J		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND			ND			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				0.13J			ND			ND
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND			ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			0.25J			ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				0.97			ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		0.30J			ND			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND			ND			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		94			ND			ND		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			26			ND			ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				21			ND			ND
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		3.9			ND			ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			0.50J			ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				0.59J			ND			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		1.4			ND			77		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			0.21J			0.18J			5.2	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				1.2			0.40J			6.3
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		17			ND			ND		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			2.6			ND			ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				5.2			0.36J			ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
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Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B92-2.5	B92-5	B92-10	B93-2.5	B93-5	B93-10	B94-2.5	B94-5	B94-10
						Date:	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		0.16J			0.14J			0.82J		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND			ND			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				ND			0.12J			ND
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND			ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND			ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND			ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND			ND			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND			ND			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		ND			ND			ND		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			ND			ND			ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				ND			ND			ND
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND			ND			ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND			ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			ND			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		1.3			65			49		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			0.38J			9.5			3.4	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				ND			16			2.9
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		ND			ND			ND		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			ND			ND			ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				ND			ND			ND

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
ND = Indicated constituents not detected above the PQL
ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B95-2.5	B95-5	B95-10	B96-2.5	B96-5	B96-10	B97-2.5	B97-5	B97-10
						Date:	7/16/2013	7/16/2013	7/16/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		ND			ND<0.13			3.8		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND			0.14J			0.16J	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				ND			0.12J			0.14J
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND			ND<0.23			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND			ND			ND<0.23	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND			ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND			ND<0.22			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			ND			ND<0.22	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND			ND<0.35			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND<0.35	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		ND			ND<0.29			1.7		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			ND			ND			1.6	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				ND			ND			1.4
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND			ND<0.52			ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND			ND			ND<0.52	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			ND			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		2.7			0.30J			58		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			1.9			0.21J			12	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				1.2			0.36J			8.0
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		0.32J			ND<0.31			6.6		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			0.77J			ND			2.1	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				0.59J			ND			2.1

NOTES:
VOC = Volatile Organic Compound
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ND<X = Indicated constituents not detected above the PQL of X
AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B98-2.5	B98-5	B98-10	B99-2.5	B99-5	B99-10	B100-2.5	B100-5	B100-10
						Date:	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		9.8			0.42J			2.6		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND			2.5			ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				ND			ND			ND
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND			ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND			ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND			ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND			ND			ND		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND			ND			ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND			ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND			ND			ND		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND			ND			ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND			ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		78			ND			ND		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			13			ND			ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				9.9			ND			ND
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		2.1			ND			ND		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND			ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND			ND			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		31			ND			6.1		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			0.68J			1.6			0.48J	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				1.2			1.5			1.5
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		61			ND			ND		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			2.1			0.74J			ND	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				3.5			1.2J			ND

NOTES:
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ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
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ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	B101-2.5	B101-5	B101-10	VA1-10	GW1-2.5	GW1-5	GW1-10	GW2-2.5	GW2-5
						Date:	7/18/2013	7/18/2013	7/18/2013	6/7/2013	6/4/2013	6/4/2013	6/4/2013	6/4/2013	6/5/2013
							VOC Concentration (µg/kg)								
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0		1.9				3.24			ND	
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0			ND				ND			ND
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0				ND	ND			ND		
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100		ND				ND			ND	
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100			ND				ND			ND
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100				ND	ND			ND		
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200		ND				ND			ND	
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200			ND				ND			ND
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200				ND	ND			ND		
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000		ND				ND			ND	
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000			ND				ND			ND
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000				ND	ND			ND		
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190		ND				120			ND	
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190			ND				10.5			ND
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190				ND	11.1			2.18J		
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670		ND				ND			ND	
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670			ND				ND			ND
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670				ND	ND			ND		
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700		37				31.4			ND	
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700			2.1				1.14J			ND
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700				3.9	45.7			2.32J		
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460		1.3J				31.6			ND	
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460			ND				1.78J			ND
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460				0.35J	3.94J			1.88J		

NOTES:
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AFM SSL = LARWQCB Attenuation Method Site Screening Levels
ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
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ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 2
Soil Matrix Sample Results for VOCs
Comparison with AF Method Site Screening Levels and SFRWQCB ESLs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Soil	MDL (µg/kg):	Sample Depth	AF SSL (µg/kg)	ESL - Res. (µg/kg)	ESL - Ind. (µg/kg)	Sample ID:	GW2-10	GW3-2.5	GW3-5.0	GW3-10
						Date:	6/5/2013	6/4/2013	6/4/2013	6/4/2013
							VOC Conc. (µg/kg)			
Benzene	0.098 - 46.5	2.5	6.0	44.0	44.0			ND<4.65		
Benzene	0.098 - 46.5	5.0	5.8	44.0	44.0				ND	
Benzene	0.098 - 46.5	10.0	4.0	44.0	44.0		ND			ND
1,2-Dichlorobenzene	0.17 - 51.5	2.5	3,600	1,100	1,100			ND<5.15		
1,2-Dichlorobenzene	0.17 - 51.5	5.0	3,480	1,100	1,100				ND	
1,2-Dichlorobenzene	0.17 - 51.5	10.0	2,400	1,100	1,100		ND			ND
1,1-Dichloroethane	0.16 - 65	2.5	30.0	200	200			ND<6.5		
1,1-Dichloroethane	0.16 - 65	5.0	29.0	200	200				ND	
1,1-Dichloroethane	0.16 - 65	10.0	20.0	200	200		ND			ND
1,1-Dichloroethene	0.26 - 80	2.5	36.0	1,000	1,000			ND<8.0		
1,1-Dichloroethene	0.26 - 80	5.0	35.0	1,000	1,000				ND	
1,1-Dichloroethene	0.26 - 80	10.0	24.0	1,000	1,000		ND			ND
cis-1,2-Dichloroethene	0.21 - 108	2.5	36.0	190	190			ND<10.8		
cis-1,2-Dichloroethene	0.21 - 108	5.0	35.0	190	190				ND	
cis-1,2-Dichloroethene	0.21 - 108	10.0	24.0	190	190		ND			ND
trans-1,2-Dichloroethene	0.38 - 130	2.5	60.0	670	670			ND<13		
trans-1,2-Dichloroethene	0.38 - 130	5.0	58.0	670	670				ND	
trans-1,2-Dichloroethene	0.38 - 130	10.0	40.0	670	670		ND			ND
Tetrachloroethene (PCE)	0.16 - 46.5	2.5	30.0	550	700			2,960		
Tetrachloroethene (PCE)	0.16 - 46.5	5.0	29.0	550	700				56.4	
Tetrachloroethene (PCE)	0.16 - 46.5	10.0	20.0	550	700		ND			324
Trichloroethene (TCE)	0.23 - 57.5	2.5	30.0	460	460			56		
Trichloroethene (TCE)	0.23 - 57.5	5.0	29.0	460	460				1.36J	
Trichloroethene (TCE)	0.23 - 57.5	10.0	20.0	460	460		ND			5.20J

NOTES:
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ESL - Ind. = SFRWQCB Industrial Environmental Screening Levels
µg/kg = micrograms per kilogram
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample.
Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
Concentrations in yellow bold type above AF-SSLs
Concentrations in red bold type above ESLs
ESL - Res. = SFRWQCB Residential Environmental Screening Levels

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TABLE 3
Soil Matrix Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/kg) and Hexavalent Chromium by EPA Method 7199 (mg/kg) in Soil																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Hexavalent Chromium
PQL (samples collected 4/25/13 - 6/28/13):		**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.05 - 0.0835**	**0.500**
MDL (samples collected 7/16/13 - 7/19/13):		**0.149**	**0.259**	**0.154**	**0.137**	**0.135**	**0.142**	**0.148**	**0.135**	**0.132**	**0.132**	**0.145**	**0.300**	**0.0857**	**0.152**	**0.141**	**0.178**	**0.00588**	**NA**
PQL (samples collected 7/16/13 - 7/19/13):		**0.750**	**0.750**	**0.500**	**0.250**	**0.500**	**0.250**	**0.250**	**0.500**	**0.500**	**0.250**	**0.250**	**0.750**	**0.250**	**0.750**	**0.250**	**1.00**	**0.0835**	**NA**
ESLs - Commercial/Industrial:		**40**	**0.96**	**1,500**	**8.0**	**12.0**	**750**	**80**	**230**	**320**	**40**	**150**	**10**	**40**	**10**	**200**	**600**	**10**	**8.0**
B1-5	4/26/2013	ND	**14.4**	**185**	**0.706**	**3.47**	**43.9**	**13.4**	**39.3**	**5.59**	**5.24**	**38.4**	ND	ND	ND	**80.4**	**86.8**	ND	•
B1-10	4/26/2013	ND	**8.68**	**101**	ND	**1.96**	**28.9**	**7.97**	**24.5**	**3.58**	**0.978**	**27.7**	ND	ND	ND	**51.7**	**53.7**	ND	•
B2-2.5	4/25/2013	ND	**3.37**	**111**	ND	**3.35**	**43.3**	**8.60**	**173**	**16.6**	**0.792**	**24.6**	ND	ND	ND	**44.9**	**89.4**	**0.1250**	•
B2-5	4/25/2013	ND	**12.8**	**91.3**	**0.551**	**3.06**	**31.9**	**8.79**	**29.2**	**4.74**	**4.50**	**28.1**	ND	ND	ND	**62.0**	**58.3**	ND	•
B3-2.5	4/25/2013	ND	**2.54**	**89.6**	ND	**1.6**	**27.8**	**7.17**	**23.1**	**3.17**	ND	**18.7**	ND	ND	ND	**44.8**	**41.1**	ND	•
B3-5	4/25/2013	ND	**4.68**	**88.8**	ND	**2.24**	**26.5**	**7.12**	**19.6**	**3.25**	**3.52**	**24.8**	ND	ND	ND	**39.9**	**42.4**	ND	•
B4-2.5	4/29/2013	ND	**7.51**	**341**	ND	**3.37**	**35.3**	**18.7**	**160**	**11.5**	**4.82**	**32.3**	ND	ND	ND	**57.4**	**81.8**	**0.638**	ND
B4-5	4/29/2013	ND	**6.05**	**124**	ND	**2.02**	**31.3**	**7.73**	**27.2**	**4.07**	**2.35**	**25.1**	ND	ND	ND	**42.1**	**55.8**	ND	ND
B5-2.5	4/29/2013	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	**0.500**
B5-5	4/29/2013	ND	**4.28**	**146**	ND	**2.27**	**29.4**	**6.34**	**23.6**	**3.43**	**1.61**	**24.6**	ND	ND	ND	**47.1**	**51**	ND	ND
B5-10	4/29/2013	ND	**6.71**	**96.9**	ND	**1.93**	**25**	**6.92**	**23.8**	**2.92**	**0.783**	**23.8**	ND	ND	ND	**45.4**	**49.5**	**0.0703**	•
B6-2.5	4/29/2013	ND	**1.49**	**106**	ND	**2.19**	**33.9**	**8.66**	**127**	**10.3**	ND	**23.7**	ND	ND	ND	**41.4**	**79.3**	**0.0599**	ND
B6-5	4/29/2013	ND	**9.04**	**87.8**	**0.508**	**2.22**	**30.4**	**8.15**	**27**	**4.3**	**1.85**	**26.1**	ND	ND	ND	**54.8**	**58.5**	ND	ND
B7-2.5	4/26/2013	**0.603**	**2.21**	**106**	ND	**2.42**	**34.3**	**8.26**	**184**	**12.1**	**0.778**	**24.2**	ND	ND	ND	**42.8**	**82.5**	**0.0761**	•
B7-5	4/26/2013	ND	**4.52**	**84.4**	**0.574**	**2.26**	**33.8**	**7.35**	**28.0**	**4.21**	**0.955**	**30.9**	ND	ND	ND	**51.4**	**53.4**	ND	•
B8-2.5	4/26/2013	**0.605**	**1.65**	**104**	ND	**2.08**	**31.7**	**7.70**	**173**	**10.7**	ND	**21.6**	ND	ND	ND	**38.9**	**78.1**	**0.0856**	•
B8-5	4/26/2013	ND	**3.82**	**86.1**	ND	**1.93**	**30.2**	**7.61**	**24.2**	**3.69**	**2.74**	**27.5**	ND	ND	ND	**41.8**	**47.8**	ND	•
B9-2.5	4/26/2013	ND	**3.38**	**104**	ND	**3.02**	**35.7**	**8.29**	**164**	**17.4**	**2.79**	**20.6**	ND	ND	ND	**42.3**	**81.6**	**0.1030**	•
B9-5	4/26/2013	ND	**8.95**	**104**	**0.521**	**2.35**	**32.8**	**8.02**	**27.9**	**4.00**	**2.25**	**28.1**	ND	ND	ND	**28.6**	**50.5**	ND	•
B10-2.5	4/26/2013	**1.09**	**1.53**	**93.6**	ND	**1.67**	**24.1**	**7.25**	**42.9**	**3.06**	ND	**17.5**	ND	ND	ND	**33.9**	**53.4**	**0.0511**	•
B10-5	4/26/2013	ND	**8.74**	**103**	ND	**2.11**	**26.7**	**9.73**	**22.2**	**3.60**	**3.02**	**23.5**	ND	ND	ND	**50.2**	**46.4**	ND	•
B11-2.5	4/29/2013	ND	**1.47**	**108**	ND	**1.95**	**28.7**	**8.07**	**94**	**11.7**	ND	**22.6**	ND	ND	ND	**40.2**	**76.3**	ND	•
B11-5	4/29/2013	ND	**7.11**	**161**	**0.513**	**2.07**	**32.4**	**9.88**	**28.7**	**3.69**	**2.31**	**30.6**	ND	ND	ND	**53.8**	**57.6**	**0.127**	•
B12-2.5	4/29/2013	ND	**1.75**	**96.7**	ND	**1.84**	**26.8**	**7.25**	**131**	**13**	ND	**20.0**	ND	ND	ND	**36.2**	**73.5**	**0.127**	•
B12-5	4/29/2013	ND	**11.1**	**191**	**0.501**	**3.1**	**29.6**	**9.53**	**27.2**	**3.71**	**5.02**	**29.1**	ND	ND	ND	**59.8**	**52.1**	ND	•
B13-2.5	4/29/2013	ND	**3.09**	**99.5**	ND	**2.17**	**30**	**7.71**	**153**	**26.2**	ND	**21.7**	ND	ND	ND	**38.1**	**94.6**	**0.0703**	•
B13-5	4/29/2013	ND	**13.3**	**138**	**0.536**	**2.64**	**31**	**8.18**	**29.5**	**4.55**	**3.61**	**30.0**	ND	ND	ND	**66.5**	**57.3**	ND	•
B14-2.5	5/1/2013	ND	**1.94**	**117**	ND	**2.08**	**30.8**	**8.72**	**123**	**13.1**	ND	**22.9**	ND	ND	ND	**42**	**83.8**	**0.066**	•
B14-5	5/1/2013	ND	**12.4**	**334**	**0.527**	**2.79**	**29.5**	**10.3**	**27.8**	**4.16**	**4.77**	**29.3**	ND	ND	ND	**62.6**	**49.6**	ND	•
B15-2.5	5/1/2013	ND	**0.388**	**104**	ND	**1.95**	**29.4**	**8.42**	**75.4**	**6.41**	ND	**22.7**	ND	ND	ND	**38.3**	**69.7**	ND	•
B15-5	5/1/2013	ND	**9.67**	**113**	ND	**2.06**	**28.6**	**7.45**	**28.1**	**3.73**	**3.15**	**25.7**	ND	ND	ND	**54**	**51.3**	ND	•
B16-2.5	5/1/2013	ND	**1.03**	**116**	ND	**1.86**	**27.8**	**8.43**	**145**	**11.5**	ND	**21.8**	ND	ND	ND	**37.2**	**74.8**	ND	•
B16-5	5/1/2013	ND	**8.46**	**107**	**0.629**	**2.21**	**36.5**	**7.92**	**32.9**	**4.01**	**2.65**	**34.8**	ND	ND	ND	**60.7**	**62.4**	ND	•
B17-2.5	5/1/2013	ND	**5.83**	**103**	**0.528**	**2.35**	**36.5**	**7.76**	**88**	**8.11**	ND	**26.8**	ND	ND	ND	**56.4**	**74.2**	ND	•
B17-5	5/1/2013	ND	**2.96**	**74.2**	**0.529**	**1.87**	**33.0**	**9.94**	**28.4**	**3.94**	**0.944**	**27.6**	ND	ND	ND	**44**	**61.8**	ND	•
B18-2.5	5/1/2013	ND	**6.38**	**113**	**0.565**	**2.26**	**35.3**	**9.41**	**34.4**	**4.67**	ND	**28.7**	ND	ND	ND	**61.1**	**66.1**	ND	•
B18-5	5/1/2013	ND	**10.3**	**128**	**0.525**	**2.65**	**30.9**	**9.64**	**28.5**	**4.34**	**3.53**	**28.5**	ND	ND	ND	**56.6**	**61.6**	ND	•
B19-2.5	5/2/2013	ND	**6.75**	**94.8**	ND	**1.86**	**21.9**	**6.71**	**32.9**	**3.1**	**2.04**	**21.1**	ND	ND	ND	**38.5**	**42.5**	ND	•
B19-5	5/2/2013	ND	**11.5**	**128**	**0.544**	**2.44**	**35.2**	**9.97**	**44**	**5.3**	**2.04**	**29.8**	ND	ND	ND	**65.1**	**57.8**	ND	•
B28-2.5	4/25/2013	ND	**7.16**	**133**	ND	**2.90**	**34.1**	**8.75**	**128**	**20.1**	**1.51**	**27.7**	ND	ND	ND	**54.9**	**89.8**	**0.0703**	•
B28-5	4/25/2013	ND	**2.62**	**62.4**	ND	**1.22**	**29.7**	**4.89**	**17.2**	**2.23**	ND	**22.3**	ND	ND	ND	**41.0**	**37.1**	ND	•

ALTA ENVIRONMENTAL

TABLE 3
Soil Matrix Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/kg) and Hexavalent Chromium by EPA Method 7199 (mg/kg) in Soil																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Hexavalent Chromium
PQL (samples collected 4/25/13 - 6/28/13):		**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.05 - 0.0835**	**0.500**
MDL (samples collected 7/16/13 - 7/19/13):		**0.149**	**0.259**	**0.154**	**0.137**	**0.135**	**0.142**	**0.148**	**0.135**	**0.132**	**0.132**	**0.145**	**0.300**	**0.0857**	**0.152**	**0.141**	**0.178**	**0.00588**	**NA**
PQL (samples collected 7/16/13 - 7/19/13):		**0.750**	**0.750**	**0.500**	**0.250**	**0.500**	**0.250**	**0.250**	**0.500**	**0.500**	**0.250**	**0.250**	**0.750**	**0.250**	**0.750**	**0.250**	**1.00**	**0.0835**	**NA**
ESLs - Commercial/Industrial:		**40**	**0.96**	**1,500**	**8.0**	**12.0**	**750**	**80**	**230**	**320**	**40**	**150**	**10**	**40**	**10**	**200**	**600**	**10**	**8.0**
B37-2.5	6/6/2013	**1.13**	**2.55**	**81.3**	ND	**1.41**	**19.2**	**4.80**	**52.8**	**11.1**	ND	**14.2**	ND	ND	ND	**23.8**	**67.3**	ND	•
B37-5	6/6/2013	ND	**5.86**	**71.5**	ND	**1.63**	**26.2**	**6.79**	**18.9**	**3.10**	**1.23**	**21.3**	ND	ND	ND	**39.8**	**43.5**	ND	•
B38-2.5	6/7/2013	ND	**5.15**	**124**	ND	**2.47**	**31.4**	**8.69**	**87.8**	**18.90**	**1.06**	**23.7**	ND	ND	ND	**46.7**	**82.3**	ND	•
B38-5	6/7/2013	ND	**4.92**	**134**	ND	**2.44**	**28.5**	**6**	**22.3**	**3.61**	**2.47**	**22.1**	ND	ND	ND	**47.6**	**43**	ND	•
B39-2.5	6/7/2013	ND	**3.31**	**147**	ND	**1.57**	**22.8**	**6.91**	**23.5**	**22.70**	**5.07**	**16**	ND	ND	ND	**51.8**	**48.2**	**0.0575**	•
B39-5	6/7/2013	ND	**5.22**	**139**	ND	**2.27**	**38.3**	**7.83**	**25.1**	**3.78**	**0.743**	**34.5**	ND	ND	ND	**65.5**	**52.4**	ND	•
B40-2.5	6/7/2013	ND	**1.13**	**74.1**	ND	**1.02**	**14**	**6.03**	**11.6**	**4.27**	**0.711**	**9.69**	ND	ND	ND	**30.2**	**29.8**	ND	•
B40-5	6/7/2013	ND	**7.12**	**183**	**0.576**	**2.5**	**36.6**	**12.7**	**29.8**	**4.21**	**3.37**	**32.2**	ND	ND	ND	**59.6**	**60.9**	ND	•
B43-5	6/6/2013	ND	**2.68**	**115**	ND	**1.58**	**30.8**	**6.8**	**23.2**	**3.34**	**1.17**	**24.8**	ND	ND	ND	**45.7**	**54.7**	ND	•
B43-10	6/6/2013	ND	**3.65**	**89**	ND	**2.18**	**45.5**	**8.65**	**23.2**	**2.53**	**0.846**	**31.9**	ND	ND	ND	**57.6**	**64.6**	ND	•
B44-5	6/6/2013	ND	**5.34**	**140**	ND	**2.23**	**29.5**	**8.94**	**23.4**	**4.01**	**2.57**	**28**	ND	ND	ND	**50.8**	**61**	ND	•
B44-10	6/6/2013	ND	**4.48**	**64.9**	ND	**1.71**	**24.5**	**5.98**	**18.4**	**2.72**	**0.884**	**22.2**	ND	ND	ND	**40.4**	**48.3**	ND	•
B45-2.5	6/6/2013	ND	**1.01**	**101**	ND	**2.00**	**30.2**	**7.76**	**163**	**10.90**	ND	**20.6**	ND	ND	ND	**39.6**	**84.4**	ND	•
B45-5	6/6/2013	ND	**4.38**	**149**	ND	**2.16**	**29.9**	**8.28**	**24.4**	**3.70**	**2.86**	**26.1**	ND	ND	ND	**50.2**	**52.5**	ND	•
B46-2.5	6/6/2013	ND	**1.72**	**116**	ND	**2.30**	**34.2**	**9.16**	**137**	**9.58**	ND	**24.3**	ND	ND	ND	**45.7**	**88.9**	**0.0537**	•
B46-5	6/6/2013	ND	**9.07**	**80.8**	ND	**1.97**	**26.9**	**6.28**	**21.7**	**3.53**	**4.09**	**20**	ND	ND	ND	**45.1**	**50.2**	ND	•
B47-2.5	5/31/2013	ND	**1.42**	**89.1**	ND	**1.47**	**22.2**	**6.23**	**114**	**9.05**	**1.68**	**14**	ND	ND	ND	**31.4**	**65.5**	ND	•
B47-5.0	5/31/2013	ND	**7.48**	**95.5**	ND	**1.69**	**26.9**	**6.94**	**24.3**	**3.77**	**2.52**	**22.2**	ND	ND	ND	**51.2**	**54**	ND	•
B48-2.5	5/31/2013	ND	**1.4**	**89.8**	ND	**1.42**	**21.6**	**5.61**	**94.4**	**8.71**	**1.54**	**13**	ND	ND	ND	**32.0**	**58.7**	**0.0714**	•
B48-5.0	5/31/2013	ND	**2.63**	**82.1**	ND	**1.55**	**23.4**	**7.52**	**18.6**	**3.24**	**2.51**	**19.9**	ND	ND	ND	**34.2**	**41.3**	ND	•
B49-2.5	5/31/2013	ND	**1.75**	**94.4**	ND	**1.56**	**23.2**	**5.75**	**125**	**9.11**	**1.54**	**15.4**	ND	ND	ND	**30.7**	**74**	ND	•
B49-5.0	5/31/2013	ND	**3.06**	**70.6**	ND	**1.56**	**24.9**	**5.65**	**25**	**3.83**	**0.936**	**19.5**	ND	ND	ND	**39.4**	**49**	ND	•
B49-10.0	5/31/2013	ND	**5.12**	**75.8**	ND	**1.58**	**21.0**	**4.44**	**20.2**	**2.90**	**0.902**	**18.1**	ND	ND	ND	**36.6**	**44**	ND	•
B50-2.5	6/6/2013	**1.15**	**2.66**	**119**	ND	**2.17**	**29.1**	**8.55**	**119**	**9.43**	ND	**20.5**	ND	ND	ND	**41.9**	**81.3**	ND	•
B50-5	6/6/2013	ND	**4.03**	**106**	ND	**1.96**	**29.9**	**6.37**	**22.3**	**3.42**	**1.21**	**27.7**	ND	ND	ND	**47.2**	**49.7**	ND	•
B51-2.5	6/6/2013	ND	**1.5**	**105**	ND	**2.57**	**35.5**	**8.14**	**152**	**14.4**	**1.72**	**20.1**	ND	ND	ND	**41.8**	**85.7**	**0.0613**	•
B51-5	6/6/2013	ND	**9.52**	**88.3**	ND	**2.20**	**26.7**	**9.35**	**22.7**	**3.55**	**2.66**	**23.1**	ND	ND	ND	**53.4**	**53.1**	ND	•
B52-2.5	6/6/2013	ND	**1.69**	**113**	ND	**2.16**	**33.0**	**8.16**	**182**	**57.6**	ND	**21.7**	ND	ND	ND	**42.5**	**86.1**	ND	•
B52-5	6/6/2013	ND	**1.2**	**54.9**	ND	**2.45**	**25.6**	**5.92**	**20.2**	**3.09**	ND	**22.3**	ND	ND	ND	**36.5**	**48.7**	ND	•
B53-2.5	6/6/2013	ND	**1.85**	**112**	ND	**2.47**	**33.1**	**7.49**	**162**	**13.0**	ND	**20.9**	ND	ND	ND	**39.4**	**90.6**	**0.0757**	•
B53-5	6/6/2013	ND	**19.5**	**97.3**	ND	**2.23**	**22.1**	**5.37**	**17.8**	**3.11**	**1.29**	**17.8**	ND	ND	ND	**44.5**	**44.4**	ND	•
B54-2.5	5/31/2013	ND	**1.13**	**95.8**	ND	**1.77**	**29.0**	**7.58**	**125**	**8.6**	ND	**19.6**	ND	ND	ND	**35.7**	**76.5**	ND	•
B54-5.0	5/31/2013	ND	**7.05**	**107**	ND	**1.90**	**29.4**	**6.58**	**24.9**	**3.49**	**3.73**	**24.8**	ND	ND	ND	**50.9**	**53.5**	ND	•
B55-2.5	6/6/2013	ND	**1.59**	**103**	ND	**2.39**	**34.6**	**7.38**	**142**	**12.8**	ND	**19.1**	ND	ND	ND	**41.9**	**78.5**	**0.052**	•
B55-5	6/6/2013	ND	**3.46**	**110**	**0.531**	**2.06**	**32.6**	**6.95**	**26.6**	**3.98**	**2.41**	**29.8**	ND	ND	ND	**54.5**	**57.6**	ND	•
B56-2.5	5/31/2013	ND	**2.83**	**108**	ND	**2.03**	**31.9**	**8.01**	**154**	**11.2**	ND	**21.4**	ND	ND	ND	**14.7**	**82.9**	ND	•
B56-5.0	5/31/2013	ND	**4.94**	**129**	ND	**1.81**	**27.4**	**8.19**	**24.9**	**3.68**	**2.50**	**23.5**	ND	ND	ND	**42.1**	**53.6**	ND	•
B57-2.5	6/7/2013	ND	**3.88**	**127**	ND	**2.32**	**32.1**	**8.86**	**77.7**	**15**	**0.597**	**23.5**	ND	ND	ND	**50.9**	**70.8**	ND	•
B57-5	6/7/2013	ND	**13.1**	**151**	**0.589**	**3.04**	**37.9**	**10.6**	**34.6**	**5.47**	**4.17**	**33.2**	ND	ND	ND	**74.5**	**59.7**	ND	•
B58-2.5	6/7/2013	ND	**4.34**	**128**	**0.507**	**2.59**	**37.6**	**10.3**	**81.8**	**10.6**	**0.605**	**26.8**	ND	ND	ND	**57.7**	**72.2**	ND	•
B58-5.0	6/7/2013	ND	**17.1**	**171**	**0.672**	**3.71**	**41.5**	**13.8**	**38.1**	**5.64**	**5.76**	**38.9**	ND	ND	ND	**85.5**	**66.8**	ND	•

ALTA ENVIRONMENTAL

TABLE 3
Soil Matrix Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/kg) and Hexavalent Chromium by EPA Method 7199 (mg/kg) in Soil																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Hexavalent Chromium
PQL (samples collected 4/25/13 - 6/28/13):		**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.05 - 0.0835**	**0.500**
MDL (samples collected 7/16/13 - 7/19/13):		**0.149**	**0.259**	**0.154**	**0.137**	**0.135**	**0.142**	**0.148**	**0.135**	**0.132**	**0.132**	**0.145**	**0.300**	**0.0857**	**0.152**	**0.141**	**0.178**	**0.00588**	**NA**
PQL (samples collected 7/16/13 - 7/19/13):		**0.750**	**0.750**	**0.500**	**0.250**	**0.500**	**0.250**	**0.250**	**0.500**	**0.500**	**0.250**	**0.250**	**0.750**	**0.250**	**0.750**	**0.250**	**1.00**	**0.0835**	**NA**
ESLs - Commercial/Industrial:		**40**	**0.96**	**1,500**	**8.0**	**12.0**	**750**	**80**	**230**	**320**	**40**	**150**	**10**	**40**	**10**	**200**	**600**	**10**	**8.0**
B61-2.5	5/31/2013	ND	**1.39**	**68.4**	ND	**1.05**	**16.8**	**4.01**	**19.6**	**2.94**	ND	**10.8**	ND	ND	ND	**22.8**	**40.1**	ND	•
B61-5.0	5/31/2013	**0.761**	**2.94**	**78.1**	ND	**1.27**	**19.8**	**5.22**	**20.6**	**3.81**	ND	**14.2**	ND	ND	ND	**29.7**	**38.4**	ND	•
B62-2.5	5/31/2013	ND	**6.4**	**96.6**	ND	**1.69**	**24.2**	**9.62**	**26.8**	**17.6**	**2.25**	**17.9**	ND	ND	ND	**38.4**	**61.7**	ND	•
B62-5.0	5/31/2013	ND	**2.68**	**71.7**	ND	**1.38**	**19.9**	**4.87**	**20.2**	**4.00**	**0.534**	**15.1**	ND	ND	ND	**29.4**	**39.4**	ND	•
B63-2.5	6/7/2013	**1.82**	**1.17**	**78.1**	ND	**1.15**	**17.3**	**5.49**	**15.5**	**7.80**	**1.61**	**11.2**	ND	ND	ND	**34.8**	**46.7**	ND	•
B63-5	6/7/2013	ND	**3.76**	**173**	**0.6**	**2.76**	**39.7**	**7.81**	**30.5**	**4.46**	**2.67**	**31.7**	ND	ND	ND	**55.5**	**61.4**	ND	•
B64-2.5	6/28/2013	ND	**8.36**	**130**	**0.58**	**2.34**	**40.4**	**12**	**33.8**	**4.00**	ND	**31.2**	ND	ND	ND	**69.1**	**62**	ND	•
B64-5	6/28/2013	ND	**3**	**124**	**0.507**	**1.78**	**35.5**	**9.41**	**30.5**	**3.65**	**0.967**	**28.4**	ND	ND	ND	**49.7**	**57.4**	ND	•
B64-10	6/28/2013	ND	**6.71**	**76.7**	ND	**1.68**	**25**	**6.4**	**21.1**	**2.68**	**1.29**	**23.6**	ND	ND	ND	**44.0**	**45**	ND	•
B65-2.5	6/28/2013	ND	**2.61**	**86.6**	ND	**1.65**	**29.2**	**6.56**	**38.9**	**3.87**	ND	**19.3**	ND	ND	ND	**42.5**	**48.4**	ND	•
B65-5	6/28/2013	ND	**4.36**	**94.7**	ND	**1.72**	**30.6**	**6.49**	**25.7**	**3.45**	**1.55**	**24.9**	ND	ND	ND	**45.4**	**46.7**	ND	•
B65-10	6/28/2013	ND	**3.12**	**100**	ND	**1.7**	**23.8**	**6.33**	**20.8**	**2.71**	**0.67**	**22**	ND	ND	ND	**40.2**	**40.3**	ND	•
B66-2.5	6/28/2013	ND	**1.3**	**101**	ND	**1.85**	**27.4**	**5.99**	**140**	**10.00**	**0.609**	**15.6**	ND	ND	ND	**34.3**	**63.1**	**0.0845**	•
B66-5	6/28/2013	**1.11**	**5.27**	**163**	ND	**1.76**	**24.9**	**8.41**	**21.4**	**3.00**	**1.12**	**24.3**	ND	ND	ND	**47.5**	**40.6**	ND	•
B66-10	6/28/2013	ND	**5.78**	**56.7**	ND	**1.52**	**23**	**6.18**	**19**	**2.82**	**0.868**	**21.5**	ND	ND	ND	**42.1**	**39.5**	ND	•
B67-2.5	6/28/2013	ND	**1.22**	**96.5**	ND	**1.37**	**20.6**	**6.47**	**47.9**	**9.90**	**1.82**	**14.7**	ND	ND	ND	**35.9**	**45.8**	**0.095**	•
B67-5	6/28/2013	ND	**5.2**	**139**	ND	**1.58**	**24.1**	**7.08**	**19.2**	**2.97**	**0.957**	**23.1**	ND	ND	ND	**48.1**	**36.4**	ND	•
B67-10	6/28/2013	ND	**4.57**	**70.8**	ND	**1.56**	**25.6**	**5.59**	**17.8**	**2.98**	ND	**19.9**	ND	ND	ND	**41.6**	**37.5**	ND	•
B68-2.5	6/28/2013	**0.991**	**1.62**	**74.6**	ND	**1.32**	**21**	**4.45**	**77.1**	**5.78**	ND	**12.9**	ND	ND	ND	**28.2**	**42.9**	ND	•
B68-5	6/28/2013	ND	**1.83**	**73.3**	ND	**1.27**	**29.4**	**5.09**	**19.3**	**2.12**	ND	**20.4**	ND	ND	ND	**41.4**	**36.3**	ND	•
B69-2.5	6/28/2013	ND	**2.71**	**105**	ND	**1.68**	**23.9**	**6.03**	**92.4**	**15.20**	ND	**16.9**	ND	ND	ND	**34.1**	**62.9**	**0.0591**	•
B69-5	6/28/2013	**1.25**	**3.8**	**80.6**	ND	**1.27**	**17.3**	**4.27**	**12.1**	**2.17**	**0.543**	**14.8**	ND	ND	ND	**34.7**	**24.2**	ND	•
B69-10	6/28/2013	ND	**6.41**	**57.4**	ND	**1.61**	**22.5**	**6.53**	**17.6**	**2.51**	ND	**21.5**	ND	ND	ND	**41.3**	**36.9**	ND	•
B70-2.5	6/28/2013	ND	**7.13**	**105**	ND	**1.93**	**27.4**	**6.63**	**62.2**	**11.90**	ND	**19.4**	ND	ND	ND	**41.4**	**67.6**	ND	•
B70-5	6/28/2013	ND	**5.9**	**65.6**	ND	**1.48**	**20.6**	**5.09**	**15.3**	**2.47**	ND	**17.3**	ND	ND	ND	**34.6**	**35.3**	ND	•
B70-10	6/28/2013	ND	**7.7**	**90.6**	ND	**1.78**	**28**	**7.23**	**21.4**	**3.06**	**0.732**	**23.3**	ND	ND	ND	**47.6**	**42**	ND	•
B71-2.5	6/28/2013	ND	**10.3**	**72.4**	ND	**2.23**	**31.2**	**8.86**	**22.8**	**4.66**	ND	**16.5**	ND	ND	ND	**66.7**	**68.9**	ND	•
B71-5	6/28/2013	ND	**5.59**	**108**	ND	**1.65**	**23.4**	**7.53**	**16.5**	**2.94**	**2.84**	**20.6**	ND	ND	ND	**40.1**	**35.4**	ND	•
B71-10	6/28/2013	ND	**5.84**	**98.4**	ND	**1.96**	**28.2**	**7.66**	**21.9**	**3.10**	**0.769**	**24.3**	ND	ND	ND	**45.0**	**46.5**	ND	•
B72-2.5	6/28/2013	ND	**2.01**	**97.9**	ND	**1.71**	**26.2**	**5.36**	**131**	**13.00**	ND	**16**	ND	ND	ND	**32.6**	**61.6**	**0.0594**	•
B72-5	6/28/2013	ND	**4.94**	**109**	ND	**1.92**	**33**	**5.47**	**23.4**	**2.93**	**1.4**	**25.4**	ND	ND	ND	**47.2**	**44.7**	ND	•
B72-10	6/28/2013	ND	**2.33**	**76**	ND	**1.84**	**38.8**	**6.9**	**23.8**	**2.14**	ND	**24.9**	ND	ND	ND	**58.1**	**45.6**	ND	•
B73-2.5	6/28/2013	ND	**1.38**	**104**	ND	**1.66**	**25.3**	**5.51**	**99**	**7.43**	ND	**16.4**	ND	ND	ND	**31.3**	**55.6**	ND	•
B73-5	6/28/2013	ND	**1.44**	**89.3**	ND	**1.09**	**24.3**	**4.39**	**15.9**	**2.19**	ND	**18.3**	ND	ND	ND	**29.7**	**35.6**	ND	•
B73-10	6/28/2013	ND	**5.6**	**64.8**	ND	**1.97**	**35.8**	**5.89**	**19.6**	**1.95**	ND	**23.4**	ND	ND	ND	**54.8**	**43.6**	ND	•
B75-2.5	7/18/2013	ND	**6.55**	**81.5**	**0.318**	**0.732**	**26.7**	**7.06**	**16.0**	**2.84**	ND	**17.9**	ND	ND	ND	**36.4**	**36.7**	ND	•
B75-5	7/18/2013	ND	**7.60**	**161**	**0.421**	**0.800**	**25.5**	**12.7**	**19.0**	**3.81**	**3.77**	**23.8**	ND	ND	ND	**41.0**	**42.0**	ND	•
B76-2.5	7/18/2013	**5.11**	**30.6**	**121**	**25.7**	**25.6**	**55.7**	**31.3**	**196**	**36.0**	**23.5**	**42.2**	**23.2**	**13.6**	**22.4**	**61.0**	**96.0**	**0.0491J**	•
B76-5	7/18/2013	ND	**6.84**	**68.7**	**0.431**	**0.789**	**26.5**	**6.60**	**20.3**	**3.90**	**1.06**	**21.1**	ND	ND	ND	**38.7**	**46.6**	**0.00817J**	•
B77-2.5	7/18/2013	ND	**4.46**	**104**	**0.362**	**1.64**	**33.1**	**6.85**	**198**	**13.4**	**1.72**	**17.8**	ND	**0.328**	ND	**35.9**	**71.7**	**0.0753J**	•
B77-5	7/18/2013	ND	**2.79**	**58.6**	**0.469**	**0.668**	**26.9**	**6.55**	**20.8**	**4.28**	ND	**21.5**	ND	ND	ND	**33.0**	**46.5**	**0.00872J**	•

ALTA ENVIRONMENTAL

TABLE 3
Soil Matrix Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/kg) and Hexavalent Chromium by EPA Method 7199 (mg/kg) in Soil																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Hexavalent Chromium
PQL (samples collected 4/25/13 - 6/28/13):		**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.05 - 0.0835**	**0.500**
MDL (samples collected 7/16/13 - 7/19/13):		**0.149**	**0.259**	**0.154**	**0.137**	**0.135**	**0.142**	**0.148**	**0.135**	**0.132**	**0.132**	**0.145**	**0.300**	**0.0857**	**0.152**	**0.141**	**0.178**	**0.00588**	**NA**
PQL (samples collected 7/16/13 - 7/19/13):		**0.750**	**0.750**	**0.500**	**0.250**	**0.500**	**0.250**	**0.250**	**0.500**	**0.500**	**0.250**	**0.250**	**0.750**	**0.250**	**0.750**	**0.250**	**1.00**	**0.0835**	**NA**
ESLs - Commercial/Industrial:		**40**	**0.96**	**1,500**	**8.0**	**12.0**	**750**	**80**	**230**	**320**	**40**	**150**	**10**	**40**	**10**	**200**	**600**	**10**	**8.0**
B78-2.5	7/18/2013	ND	**6.16**	**96.1**	**0.357**	**1.32**	**26.1**	**7.84**	**50.0**	**4.57**	**0.430**	**17.4**	ND	**0.139J**	ND	**37.5**	**46.5**	ND	•
B78-5	7/18/2013	ND	**8.63**	**90.1**	**0.555**	**0.986**	**30.1**	**8.10**	**26.0**	**4.47**	**1.39**	**24.5**	ND	ND	ND	**45.3**	**48.3**	**0.0418J**	•
B79-2.5	7/18/2013	ND	**6.05**	**95.4**	**0.359**	**1.31**	**25.9**	**7.77**	**50.2**	**4.52**	**0.487**	**17.3**	ND	**0.147J**	ND	**37.3**	**46.4**	**0.0657J**	•
B79-5	7/18/2013	ND	**6.92**	**83.3**	**0.430**	**0.800**	**28.5**	**6.87**	**20.4**	**3.53**	**1.21**	**22.1**	ND	ND	ND	**40.3**	**47.5**	**0.0114J**	•
B80-2.5	7/18/2013	ND	**2.48**	**97.7**	**0.389**	**1.04**	**25.6**	**7.64**	**26.3**	**3.68**	ND	**18.1**	ND	ND	ND	**29.5**	**52.9**	**0.0106J**	•
B80-5	7/18/2013	ND	**2.30**	**113**	**0.514**	**0.588**	**28.6**	**5.59**	**23.4**	**4.31**	**0.179J**	**21.2**	ND	ND	ND	**38.0**	**47.8**	**0.0147J**	•
B81-2.5	7/19/2013	ND	**7.34**	**106**	**0.479**	**1.15**	**35.0**	**11.3**	**26.3**	**4.58**	**0.274**	**25.9**	ND	ND	ND	**54.0**	**47.0**	**0.0138J**	•
B81-5	7/19/2013	ND	**8.88**	**347**	**0.892**	**1.24**	**89.6**	**13.9**	**46.0**	**0.745**	ND	**83.2**	ND	ND	ND	**108**	**83.6**	ND	•
B82-2.5	7/18/2013	ND	**6.36**	**116**	**0.485**	**1.64**	**37.3**	**9.44**	**203**	**26.2**	ND	**24.0**	ND	ND	ND	**44.2**	**83.8**	**0.0689J**	•
B82-5	7/18/2013	ND	**6.04**	**88.5**	**0.540**	**0.736**	**30.4**	**7.69**	**25.1**	**4.50**	**1.89**	**25.5**	ND	ND	ND	**40.3**	**54.3**	**0.0131J**	•
B83-2.5	7/19/2013	ND	**13.8**	**119**	**0.470**	**1.47**	**33.4**	**10.9**	**31.4**	**3.94**	ND	**24.0**	ND	**0.166J**	ND	**56.5**	**44.9**	**0.0213J**	•
B83-5	7/19/2013	ND	**12.3**	**83.5**	**0.578**	**1.09**	**36.8**	**9.53**	**25.7**	**4.65**	**1.72**	**30.0**	ND	ND	ND	**58.9**	**54.5**	**0.0388J**	•
B84-2.5	7/19/2013	ND	**6.42**	**121**	**0.530**	**1.66**	**41.2**	**9.83**	**195**	**27.6**	ND	**24.7**	ND	**0.124J**	ND	**47.2**	**87.8**	**0.0704J**	•
B84-5	7/19/2013	ND	**14.2**	**158**	**0.543**	**1.51**	**32.8**	**8.87**	**24.5**	**4.09**	**2.72**	**26.4**	ND	**0.266**	ND	**56.3**	**41.8**	**0.0173J**	•
B85-2.5	7/19/2013	ND	**4.97**	**113**	**0.488**	**1.43**	**38.1**	**8.84**	**171**	**23.4**	ND	**22.2**	ND	**0.0916J**	ND	**42.4**	**76.6**	**0.0870**	•
B85-5	7/19/2013	ND	**8.49**	**115**	**0.521**	**1.23**	**31.6**	**8.81**	**22.8**	**3.78**	**1.13**	**24.9**	ND	**0.207J**	ND	**50.7**	**42.6**	**0.00933J**	•
B86-2.5	7/18/2013	ND	**3.72**	**117**	**0.421**	**0.804**	**18.9**	**7.94**	**20.9**	**6.65**	**3.12**	**12.8**	ND	ND	ND	**36.4**	**38.8**	**0.336**	•
B86-5	7/18/2013	ND	**9.39**	**142**	**0.674**	**1.08**	**38.7**	**11.6**	**34.4**	**5.37**	**2.37**	**32.2**	ND	ND	ND	**50.9**	**62.7**	**0.0845**	•
B87-2.5	7/19/2013	ND	**3.18**	**107**	**0.396**	**0.698**	**23.6**	**9.52**	**28.8**	**7.68**	**0.892**	**14.9**	ND	ND	ND	**39.8**	**42.4**	**0.0349J**	•
B87-5	7/19/2013	ND	**10.1**	**185**	**0.745**	**1.38**	**46.8**	**10.5**	**37.1**	**5.33**	**2.45**	**36.1**	ND	ND	ND	**70.9**	**60.1**	**0.0229J**	•
B88-2.5	7/18/2013	ND	**3.44**	**78.1**	**0.278**	**0.617**	**18.0**	**7.60**	**14.5**	**4.51**	**1.81**	**11.6**	ND	ND	ND	**29.2**	**35.8**	**0.0406J**	•
B88-5	7/18/2013	ND	**18.1**	**90.8**	**0.687**	**1.38**	**43.4**	**10.1**	**39.4**	**5.37**	**2.54**	**32.9**	ND	ND	ND	**68.6**	**68.1**	**0.0185J**	•
B89-2.5	7/19/2013	ND	**6.54**	**116**	**0.505**	**1.49**	**38.8**	**9.68**	**195**	**25.9**	**0.156J**	**24.5**	ND	ND	ND	**46.3**	**84.4**	**0.0746J**	•
B89-5	7/19/2013	ND	**3.87**	**101**	**0.626**	**0.992**	**42.9**	**9.86**	**30.3**	**4.68**	**2.05**	**30.0**	ND	**0.147J**	ND	**51.1**	**59.6**	**0.0145J**	•
B90-5	7/19/2013	ND	**4.77**	**129**	**0.632**	**0.652**	**34.9**	**9.73**	**28.8**	**4.90**	**1.40**	**29.3**	ND	ND	ND	**43.5**	**54.5**	**0.0236J**	•
B90-10	7/19/2013	ND	**4.22**	**67.7**	**0.402**	**0.601**	**32.3**	**6.65**	**19.0**	**2.93**	**1.12**	**24.9**	ND	ND	ND	**41.4**	**42.3**	**0.0236J**	•
B91-2.5	7/16/2013	ND	**8.79**	**124**	**0.605**	**1.59**	**39.3**	**12.7**	**90.4**	**13.5**	ND	**29.1**	ND	ND	ND	**57.2**	**66.9**	**0.0335J**	•
B91-5	7/16/2013	ND	**19.4**	**181**	**0.714**	**1.64**	**41.5**	**13.7**	**38.1**	**5.66**	**3.84**	**37.6**	ND	ND	ND	**69.2**	**60.0**	**0.0278J**	•
B92-2.5	7/16/2013	**0.221J**	**5.41**	**75.7**	**0.286**	**0.840**	**21.6**	**5.71**	**18.0**	**13.9**	**0.546**	**14.8**	ND	ND	ND	**30.9**	**47.8**	**0.0115J**	•
B92-5	7/16/2013	ND	**18.8**	**109**	**0.717**	**1.43**	**40.0**	**12.4**	**37.4**	**5.59**	**4.33**	**36.1**	ND	ND	ND	**70.6**	**60.9**	**0.0221J**	•
B93-2.5	7/16/2013	ND	**12.4**	**102**	**0.552**	**1.58**	**35.4**	**9.85**	**29.8**	**4.35**	ND	**25.6**	ND	ND	ND	**62.3**	**47.5**	**0.0115J**	•
B93-5	7/16/2013	ND	**12.8**	**78.1**	**0.573**	**3.61**	**31.2**	**8.24**	**29.7**	**4.79**	**2.66**	**25.9**	ND	**0.396**	ND	**55.2**	**45.3**	**0.0255J**	•
B94-2.5	7/16/2013	ND	**16.4**	**153**	**0.607**	**2.01**	**39.9**	**13.0**	**36.3**	**4.89**	**0.833**	**31.7**	ND	**0.0893J**	ND	**74.9**	**53.0**	**0.0153J**	•
B94-5	7/16/2013	ND	**14.8**	**160**	**0.734**	**2.12**	**45.4**	**12.6**	**39.9**	**5.72**	**5.74**	**39.4**	ND	ND	ND	**70.8**	**66.7**	**0.0258J**	•
B95-2.5	7/16/2013	ND	**6.67**	**126**	**0.588**	**1.74**	**42.5**	**10.8**	**214**	**15.2**	ND	**27.7**	ND	ND	ND	**48.7**	**84.1**	**0.0397J**	•
B95-5	7/16/2013	ND	**8.63**	**147**	**0.622**	**1.28**	**33.6**	**8.67**	**30.0**	**4.73**	**0.634**	**28.1**	ND	ND	ND	**45.9**	**52.8**	**0.0300J**	•
B96-2.5	7/19/2013	ND	**18.0**	**375**	**0.783**	**1.67**	**51.3**	**18.4**	**45.8**	**5.91**	**12.9**	**54.6**	ND	**0.620**	ND	**84.1**	**64.5**	**0.0154J**	•
B96-5	7/19/2013	ND	**6.25**	**129**	**0.591**	**1.22**	**39.8**	**8.58**	**30.2**	**4.43**	**0.426**	**28.8**	ND	ND	ND	**48.3**	**62.6**	**0.0157J**	•
B97-2.5	7/19/2013	ND	**4.47**	**60.3**	**0.363**	**0.896**	**28.9**	**5.49**	**18.8**	**2.65**	ND	**14.2**	ND	**0.163J**	ND	**38.5**	**32.7**	ND	•
B97-5	7/19/2013	ND	**7.26**	**76.4**	**0.438**	**0.733**	**33.3**	**7.53**	**19.7**	**3.91**	**1.46**	**23.8**	ND	ND	ND	**44.4**	**47.1**	**0.0102J**	•
B98-2.5	7/18/2013	ND	**4.14**	**86.6**	**0.319**	**1.19**	**26.1**	**6.09**	**134**	**9.22**	**0.230J**	**15.7**	ND	ND	ND	**31.7**	**57.5**	**0.0571J**	•

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TABLE 3
Soil Matrix Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/kg) and Hexavalent Chromium by EPA Method 7199 (mg/kg) in Soil																	
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury	Hexavalent Chromium
PQL (samples collected 4/25/13 - 6/28/13):		**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.25**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.5**	**0.05 - 0.0835**	**0.500**
MDL (samples collected 7/16/13 - 7/19/13):		**0.149**	**0.259**	**0.154**	**0.137**	**0.135**	**0.142**	**0.148**	**0.135**	**0.132**	**0.132**	**0.145**	**0.300**	**0.0857**	**0.152**	**0.141**	**0.178**	**0.00588**	**NA**
PQL (samples collected 7/16/13 - 7/19/13):		**0.750**	**0.750**	**0.500**	**0.250**	**0.500**	**0.250**	**0.250**	**0.500**	**0.500**	**0.250**	**0.250**	**0.750**	**0.250**	**0.750**	**0.250**	**1.00**	**0.0835**	**NA**
ESLs - Commercial/Industrial:		**40**	**0.96**	**1,500**	**8.0**	**12.0**	**750**	**80**	**230**	**320**	**40**	**150**	**10**	**40**	**10**	**200**	**600**	**10**	**8.0**
B98-5	7/18/2013	ND	**13.6**	**137**	**0.501**	**1.14**	**27.8**	**8.39**	**24.4**	**4.47**	**0.807**	**25.6**	ND	ND	ND	**45.8**	**48.4**	**0.0196J**	•
B99-2.5	7/18/2013	ND	**1.58**	**105**	**0.385**	**0.929**	**24.5**	**11.4**	**15.0**	**3.68**	ND	**22.5**	ND	ND	ND	**32.6**	**36.7**	**0.0126J**	•
B99-5	7/18/2013	ND	**4.88**	**85.2**	**0.312**	**1.02**	**25.4**	**6.73**	**39.7**	**3.82**	ND	**15.9**	ND	ND	ND	**33.4**	**45.7**	**0.00751J**	•
B100-2.5	7/18/2013	ND	**4.61**	**93.0**	**0.329**	**1.47**	**32.3**	**6.10**	**187**	**12.5**	**0.439**	**16.0**	ND	**0.188J**	ND	**33.0**	**68.0**	**0.0834J**	•
B100-5	7/18/2013	ND	**4.33**	**76.1**	**0.402**	**0.654**	**27.8**	**6.81**	**19.1**	**3.02**	**0.170J**	**31.4**	ND	ND	ND	**32.9**	**41.7**	**0.0241J**	•
B101-2.5	7/18/2013	ND	**5.22**	**97.5**	**0.333**	**1.51**	**30.1**	**6.21**	**170**	**12.1**	**0.176J**	**16.0**	ND	**0.221J**	ND	**33.4**	**71.3**	**0.0519J**	•
B101-5	7/18/2013	ND	**3.41**	**65.2**	**0.364**	**0.525**	**25.3**	**5.18**	**18.7**	**3.06**	ND	**16.8**	ND	ND	ND	**30.1**	**36.0**	**0.0178J**	•
V1-10	6/7/2013	ND	**3.49**	**91.1**	ND	**1.89**	**39.5**	**7.96**	**22.2**	**3.48**	**0.605**	**30.4**	ND	ND	ND	**51.8**	**52.3**	ND	•
V1-15	6/7/2013	ND	**4.09**	**44.4**	ND	**1.2**	**18.6**	**4.22**	**12**	**2.03**	ND	**15.8**	ND	ND	ND	**27.6**	**30.4**	ND	•
V1-20	6/7/2013	ND	**13.1**	**194**	**0.737**	**4.4**	**48**	**20.3**	**43.3**	**6.99**	**2.4**	**53.3**	ND	ND	ND	**77.5**	**89.8**	ND	•
WP-B	6/28/2013	**0.678**	**4.51**	**182**	ND	**2.06**	**33.6**	**11.1**	**31.5**	**8.12**	**0.87**	**27.1**	ND	ND	ND	**44.0**	**45.2**	ND	•
GW1-2.5	6/4/2013	**0.628**	**4.37**	**115**	ND	**2.38**	**33.1**	**8.54**	**191**	**31.7**	ND	**23.3**	ND	ND	ND	**42.1**	**94.6**	**0.172**	•
GW1-5	6/4/2013	**0.597**	**10.4**	**153**	**0.577**	**2.67**	**35.5**	**8.53**	**30.4**	**4.15**	**2.60**	**3.08**	ND	ND	ND	**61.3**	**61.9**	ND	•
GW1-10	6/4/2013	ND	**7.09**	**85.7**	ND	**1.91**	**43.5**	**6.28**	**23.0**	**2.26**	ND	**26.2**	ND	ND	ND	**53**	**54.7**	ND	•
GW1-14	6/4/2013	**1**	**6.07**	**60.1**	ND	**1.62**	**21.7**	**5.54**	**18.6**	**3.09**	**1.31**	**20.4**	ND	ND	ND	**38.7**	**48.6**	ND	•
GW2-2.5	6/5/2013	ND	**12.8**	**166**	**0.578**	**3**	**37.5**	**8.36**	**32.1**	**4.46**	**3.31**	**32.3**	ND	ND	ND	**73**	**65.2**	ND	•
GW2-5	6/5/2013	**0.544**	**9.4**	**134**	**0.523**	**2.67**	**33.2**	**9.72**	**29.1**	**4.64**	**1.44**	**29.6**	ND	ND	ND	**59.8**	**70.7**	ND	•
GW2-10	6/5/2013	ND	**13.3**	**119**	ND	**2.73**	**31.9**	**9.28**	**24.2**	**3.63**	**1.11**	**28.9**	ND	ND	ND	**48.7**	**62.5**	ND	•
GW2-15	6/5/2013	**1.4**	**8.66**	**163**	**0.608**	**3.13**	**44**	**12.3**	**36.2**	**5.48**	**2.01**	**38.8**	ND	ND	ND	**74.5**	**100**	**0.0517**	•
GW3-2.5	6/4/2013	ND	**4.06**	**103**	ND	**1.37**	**20.7**	**5.76**	**27.1**	**4.99**	**0.885**	**17.5**	ND	ND	ND	**35.1**	**38.6**	ND	•
GW3-5	6/4/2013	ND	**5.05**	**74.4**	ND	**2.26**	**22.1**	**6.27**	**96.0**	**3.88**	**1.50**	**22.3**	ND	ND	ND	**42.8**	**82.5**	ND	•
GW3-10	6/4/2013	ND	**5.26**	**98.8**	ND	**1.54**	**21.7**	**5.97**	**161**	**7.31**	**0.682**	**19.8**	ND	ND	ND	**36.0**	**53.0**	ND	•
GW3-15	6/4/2013	**1.19**	**6.4**	**70.4**	ND	**1.58**	**21.2**	**6.41**	**16.9**	**2.78**	**0.621**	**20.7**	ND	ND	ND	**37.4**	**39.3**	ND	•

NOTES:

mg/kg = milligrams per kilogram

ND = Indicates constituent not detected at or above the PQL or MDL

PQL = Practical Quantitation Limit

J = Analyte detected; however result is an estimated value between the Method Detection Limit (MDL) and the PQL. (See associated lab report for applicable MDLs)

• = Not Analyzed

ESLs = Environmental Screening Levels, based on the CRWQCB-San Francisco Bay Region's *Screening for Environmental Concerns at Site with Contaminated Soil and Groundwater*, using Summary Table A (May 2013) - ESLs in Shallow Soils, Groundwater is Current or Potential Source of Drinking Water

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TABLE 3A
Soil Matrix Sample Results for Title 22 Metals - ENVIRON Split Sampling
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals in Soil by EPA Method 6010B/7471A (mg/kg)																
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
MDL (mg/kg):		**0.149**	**0.259**	**0.154**	**0.137**	**0.135**	**0.142**	**0.148**	**0.135**	**0.132**	**0.132**	**0.145**	**0.300**	**0.0857**	**0.152**	**0.141**	**0.178**	**0.00588**
PQL (mg/kg):		**0.750**	**0.750**	**0.500**	**0.250**	**0.500**	**0.250**	**0.250**	**0.500**	**0.500**	**0.250**	**0.250**	**0.750**	**0.250**	**0.750**	**0.250**	**1.00**	**0.0835**
ESLs - Commercial/Industrial:		**40**	**0.96**	**1,500**	**8.0**	**12.0**	**750**	**80**	**230**	**320**	**40**	**150**	**10**	**40**	**10**	**200**	**600**	**10**
ENV-B4B-2.5	7/18/2013	ND	**6.02**	**81.1**	**0.474**	**0.920**	**32.6**	**8.11**	**27.9**	**3.90**	ND	**22.3**	ND	ND	ND	**43.8**	**46.9**	**0.0266J**
ENV-B4B-5	7/18/2013	ND	**9.60**	**115**	**0.534**	**1.33**	**28.9**	**7.01**	**25.1**	**4.30**	**1.01**	**23.8**	ND	ND	ND	**38.1**	**48.0**	**0.0185J**
ENV-B10B-2.5	7/18/2013	ND	**4.53**	**110**	**0.448**	**1.30**	**31.2**	**9.09**	**159**	**9.84**	ND	**21.4**	ND	**0.165J**	ND	**36.8**	**68.9**	**0.0562J**
ENV-B10B-5	7/18/2013	ND	**11.6**	**153**	**0.506**	**0.799**	**30.5**	**12.0**	**23.2**	**4.23**	**0.778**	**26.4**	ND	ND	ND	**45.4**	**48.4**	**0.00931J**
ENV-B12B-2.5	7/18/2013	ND	**4.77**	**112**	**0.428**	**1.14**	**28.6**	**8.89**	**130**	**13.7**	ND	**20.6**	ND	**0.166J**	ND	**35.7**	**68.4**	**0.0228J**
ENV-B12B-5	7/18/2013	ND	**11.5**	**127**	**0.585**	**1.23**	**34.0**	**10.4**	**34.0**	**4.64**	**4.09**	**30.0**	ND	**0.387**	ND	**54.1**	**49.8**	**0.0284J**
ENV-B38B-2.5	7/18/2013	ND	**5.67**	**87.7**	**0.424**	**0.962**	**27.5**	**8.79**	**26.3**	**3.59**	ND	**19.2**	ND	ND	ND	**41.1**	**42.6**	**0.00920J**
ENV-B38B-5	7/18/2013	ND	**9.53**	**62.2**	**0.551**	**0.551**	**29.2**	**8.89**	**23.6**	**4.63**	**2.55**	**25.1**	ND	ND	ND	**44.2**	**47.5**	**0.0117J**
ENV-B39B-2.5	7/18/2013	ND	**5.62**	**120**	**0.506**	**1.47**	**37.2**	**9.49**	**211**	**27.9**	ND	**23.9**	ND	ND	ND	**41.4**	**87.1**	**0.0682J**
ENV-B39B-5	7/18/2013	ND	**10.9**	**133**	**0.458**	**1.01**	**29.2**	**7.44**	**21.9**	**3.82**	**0.872**	**24.2**	ND	ND	ND	**53.0**	**39.6**	**0.0108J**
ENV-B55B-2.5	7/18/2013	ND	**4.73**	**118**	**0.542**	**1.27**	**33.2**	**9.50**	**101**	**10.0**	ND	**22.6**	ND	ND	ND	**40.1**	**69.9**	**0.0227J**
ENV-B55B-5	7/18/2013	ND	**11.3**	**152**	**0.505**	**0.784**	**30.4**	**12.0**	**23.0**	**4.28**	**0.799**	**26.4**	ND	ND	ND	**45.2**	**48.5**	**0.0145J**
ENV-GW1B-2.5	7/18/2013	ND	**3.57**	**112**	**0.505**	**0.929**	**24.4**	**8.70**	**77.9**	**18.8**	**0.383**	**16.1**	ND	ND	ND	**37.6**	**61.2**	**0.0759J**
ENV-GW1B-5	7/18/2013	ND	**14.5**	**150**	**0.741**	**1.41**	**43.8**	**12.4**	**40.3**	**5.56**	**1.94**	**37.0**	ND	ND	ND	**68.7**	**61.1**	**0.0288J**
ENV-GW3B-2.5	7/18/2013	ND	**5.60**	**111**	**0.381**	**1.37**	**30.8**	**6.83**	**183**	**15.5**	**1.12**	**18.3**	ND	**0.221J**	ND	**35.7**	**77.2**	**0.0718J**
ENV-GW3B-5	7/18/2013	ND	**8.83**	**126**	**0.282**	**1.40**	**24.0**	**7.21**	**165**	**65.4**	**2.77**	**16.4**	ND	**0.120J**	ND	**40.0**	**246**	**0.0466J**

NOTES:
mg/kg = milligrams per kilogram
ND = Indicates constituent not detected at or above the PQL
PQL = Practical Quantitation Limit
● = Not Analyzed
J = Analyte detected; however, concentration is an estimated value between the MDL and PQL.
ESLs = Environmental Screening Levels, based on the CRWQCB-San Francisco Bay Region's*Screening for Environmental Concerns at Site with Contaminated Soil and Groundwater*, using Summary Table A (May 2013) - ESLs in Shallow Soils, Groundwater is Current or Potential Source of Drinking Water

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TABLE 4
Soil Matrix Sample Results for TPH
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	TPHcc by EPA Method 8015M in Soil		
		TPH-GRO (C4-C12) (mg/kg)	TPH-DRO (C10-C28) (mg/kg)	TPH-ORO (C28-C36+) (mg/kg)
	PQL (mg/kg):	**0.500**	**10.0**	**50.0**
B1-5	4/26/2013	ND	ND	ND
B1-10	4/26/2013	ND	ND	ND
B2-2.5	4/25/2013	ND	ND	ND
B2-5	4/25/2013	ND	ND	ND
B3-2.5	4/25/2013	ND	ND	ND
B3-5	4/25/2013	ND	ND	ND
B4-2.5	4/29/2013	ND	ND	ND
B4-5	4/29/2013	ND	ND	ND
B5-10	4/29/2013	ND	ND	ND
B5-5	4/29/2013	ND	ND	ND
B6-2.5	4/29/2013	ND	ND	ND
B6-5	4/29/2013	ND	ND	ND
B7-2.5	4/26/2013	ND	ND	ND
B7-5	4/26/2013	ND	ND	ND
B8-2.5	4/26/2013	ND	ND	ND
B8-5	4/26/2013	ND	ND	ND
B9-2.5	4/26/2013	**1.58**	ND	ND
B9-5	4/26/2013	ND	ND	ND
B10-2.5	4/26/2013	ND	ND	ND
B10-5	4/26/2013	ND	ND	ND
B11-2.5	4/29/2013	ND	ND	ND
B11-5	4/29/2013	ND	ND	ND
B12-2.5	4/29/2013	ND	ND	ND
B12-5	4/29/2013	ND	ND	ND
B13-2.5	4/29/2013	ND	ND	ND
B13-5	4/29/2013	ND	ND	ND
B14-2.5	5/1/2013	ND	ND	ND
B14-5	5/1/2013	ND	ND	ND
B15-2.5	5/1/2013	ND	ND	ND
B15-5	5/1/2013	ND	ND	ND
B16-2.5	5/1/2013	ND	ND	ND
B16-5	5/1/2013	ND	ND	ND
B17-2.5	5/1/2013	ND	ND	ND
B17-5	5/1/2013	ND	ND	ND
B18-2.5	5/1/2013	ND	ND	ND
B18-5	5/1/2013	ND	ND	ND
B19-2.5	5/2/2013	ND	ND	ND
B19-5	5/2/2013	ND	ND	ND
B28-2.5	4/25/2013	ND	ND	ND
B28-5	4/25/2013	ND	ND	ND

NOTES:
ND = Indicates constituents not detected above the PQL
PQL = Practical Quantitation Limit
TPH-GRO = total petroleum hydrocarbons as gasoline range organics
TPH-DRO = total petroleum hydrocarbons as diesel range organics
TPH-ORO = total petroleum hydrocarbons as oil range organics
mg/kg = milligrams per kilogram
bgs = Below ground surface

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TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B1-5	B1-10	B2-2.5	B2-5	B3-2.5	B3-5	B4-2.5
		Date:	4/26/2013	4/26/2013	4/25/2013	4/25/2013	4/25/2013	4/25/2013	4/29/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	65.7	ND	103	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	1.16J	ND	1.58J	ND	1.68J
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	2.10J	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	8.24J	ND	8.64J	ND	9.18J
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	ND	ND	ND	ND	ND	ND	110
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	1.18J
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	ND	ND	ND	300
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B4-5	B5-5	B5-10	B6-2.5	B6-5	B7-2.5	B7-5
		Date:	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/26/2013	4/26/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	ND	24.0J	ND	ND	18.2J
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	ND	1.22J	ND	1.74J	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	2.08J	4.42J
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	10.3	107
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	10.1	3.74J
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	2.84J	ND	204	69.4
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	4.22J	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	10.7	2.34J	2.48J	30.0	1.66J	7.88J	ND
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	31.4	5.10J	6.30J	58.0	4.60J	5.22J	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B8-2.5	B8-5	B9-2.5	B9-5	B10-2.5	B10-5	B11-2.5
		Date:	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/26/2013	4/29/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	63.2	ND	ND<63.5	ND	ND<635	ND<254	ND
Benzene	0.098 - 46.5	0.75 - 100	1.98J	ND	ND<4.65	ND	ND<46.5	ND<18.6	4.04
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND<17	ND	ND<170	ND<67.8	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND<1.9	ND	ND<19	ND<7.6	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND<3.15	ND	ND <31.5	ND <12.6	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND<17	ND	ND <170	ND<67.8	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND<13.8	ND	ND <138	ND <55	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND<29.2	ND	ND<292	ND<117	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND<10.3	ND	ND<103	ND<41	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND<15.2	ND	ND<152	ND<60.8	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND<6.7	ND	ND<67	ND<26.8	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND<27.7	ND	ND<277	ND<111	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND<12.4	ND	ND<124	ND<49.6	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND<4.45	ND	ND <44.5	ND<17.8	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND<10.8	ND	ND <108	ND <43	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND<27.7	ND	ND<277	ND<111	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	3.20J	3.24J	ND<6.2	ND	ND <62	ND<24.8	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND<8.7	ND	ND<87	ND<34.8	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND<6.7	ND	ND<67	ND<26.8	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND<11.8	ND	ND <118	ND <47	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND<13.5	ND	ND<135	ND<53.8	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND<3.25	ND	ND<32.5	ND<13	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND<13.8	ND	ND<138	ND<55	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND<11.5	ND	ND<115	ND<46	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	17.3	56.6	77.0	5.04J	ND<51.5	ND<20.6	5.20J
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND <8.25	ND	ND <82.5	ND <33	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	4.90J	ND<11.2	ND	ND <112	ND<44.6	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND<10.4	ND	ND<104	ND<41.4	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	1.34J	ND	ND<6.5	4.36J	ND<65	ND<26	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND<7.85	ND	ND<78.5	ND<31.4	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND<8	ND	ND<80	ND<32	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	4.18J	ND	1,190	107	ND<108	ND<43.2	108
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND<13	ND	ND<130	ND<52	7.60J
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND<3.3	ND	ND<33	ND<13.2	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND<4.6	ND	ND<46	ND<18.4	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND<6.8	ND	ND<68	ND<27.2	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND<5.6	ND	ND<56	ND<22.4	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND<4.9	ND	ND<49	ND<19.6	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND<4.8	ND	ND<48	ND<19.2	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND<5	ND	ND <50	ND<20	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND<13.9	ND	ND <139	ND <55.4	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND<15.9	ND	ND<159	ND<63.6	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND<7.1	ND	ND<71	ND<28.4	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND<19.3	ND	ND<193	ND<77.2	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND<14.5	ND	ND <145	ND <58	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND<15.7	ND	ND <157	ND <62.8	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND<16.6	ND	ND<166	ND<66.2	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND<5.7	ND	ND<57	ND<22.8	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND<5.7	ND	ND<57	ND<22.8	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND<4	ND	ND<40	ND<16	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND<6.4	ND	ND<64	ND<25.6	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND<16.3	ND	ND<163	ND<65	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	316	65.2	725	29.6	40,600	10,500	133
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND<5	ND	ND<50	ND<20	3.06
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND<6.15	ND	ND<61.5	ND<24.6	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND<14.1	ND	ND<141	ND<56.4	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND<10.2	ND	ND<102	ND<40.6	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND <8.7	ND	ND <87	ND <34.8	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	34.0	4.32J	452	11.3	215J	ND<23	69.2
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND<15.8	ND	ND<158	ND<63	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND<8.7	ND	ND<87	ND<34.8	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND<16	ND	ND<160	ND<63.8	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND<6.15	ND	ND <61.5	ND <24.6	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND<54	ND	ND <540	ND<216	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND<14	ND	ND<140	ND<55.8	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND<5	ND	ND<50	ND<20	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND <9	ND	ND <90	72.0J	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	5*	1	50*	20*	1

NOTES:

VOC = Volatile Organic Compound

PQL = Practical Quantitation Limit

MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.

ND = Indicated constituents not detected above the MDL

µg/kg = micrograms per kilogram

J = Analyte detected; However result is an estimated value between the MDL and the PQL.

B = Analyte was present in the associated method blank.

* Concentration exceeded calibration range; Dilutions for these compounds

— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B11-5	B12-2.5	B12-5	B13-2.5	B13-5	B14-2.5	B14-5
		Date:	4/29/2013	4/29/2013	4/29/2013	4/29/2013	4/29/2013	5/1/2013	5/1/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND<63.5	ND	ND<63.5	ND	101	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND<4.65	ND	ND<4.65	ND	2.28	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND<17	ND	ND<17	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND<1.9	ND	ND<1.9	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND<3.15	ND	ND<3.15	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND<17	ND	ND<17	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND<13.8	ND	ND<13.8	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND<29.2	ND	ND<29.2	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND<10.3	ND	ND<10.3	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND<15.2	ND	ND<15.2	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND<6.7	ND	ND<6.7	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND<27.7	ND	ND<27.7	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND<12.4	ND	ND<12.4	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND<4.45	ND	ND<4.45	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND<10.8	ND	ND<10.8	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND<27.7	ND	ND<27.7	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND<6.2	ND	ND<6.2	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND<8.7	ND	ND<8.7	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND<6.7	ND	ND<6.7	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND<11.8	ND	ND<11.8	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND<13.5	ND	ND<13.5	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND<3.25	ND	ND<3.25	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND<13.8	ND	ND<13.8	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND<11.5	ND	ND<11.5	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	120	3.24J	42.5J	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND<8.25	ND	ND <8.25	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND<11.2	ND	ND<11.2	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND<10.4	ND	ND<10.4	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND<6.5	ND	ND<6.5	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND<7.85	ND	ND<7.85	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND<8	ND	ND<8	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	9.40J	4,190	218	1,810	132	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	70.0	ND	26.0J	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND<3.3	ND	ND<3.3	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND<4.6	ND	ND<4.6	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND<6.8	ND	ND<6.8	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND<5.6	ND	ND<5.6	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND<4.9	ND	ND<4.9	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND<4.8	ND	ND<4.8	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND<5	ND	ND<5	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND<13.9	ND	ND<13.9	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND<15.9	ND	ND<15.9	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND<7.1	ND	ND<7.1	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND<19.3	ND	ND<19.3	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND<14.5	ND	ND<14.5	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND<15.7	ND	ND<15.7	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND<16.6	ND	ND<16.6	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND<5.7	ND	ND<5.7	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND<5.7	ND	ND<5.7	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND<4	ND	ND<4	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND<6.4	ND	ND<6.4	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND<16.3	ND	ND<16.3	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	3.78J	59.0	ND	22.0J	ND	43.4	1.24J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND<5	ND	ND<5	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND<6.15	ND	ND<6.15	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND<14.1	ND	ND<14.1	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND<10.2	ND	ND<10.2	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND<8.7	ND	ND <8.7	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	3.46J	160	ND	ND<5.75	ND	15.7	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND<15.8	ND	ND<15.8	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND<8.7	ND	ND<8.7	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND<16	ND	ND<16	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND<6.15	ND	ND<6.15	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND<54	ND	ND<54	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND<14	ND	ND<14	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND<5	ND	ND<5	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND<9	ND	ND <9	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	5*	1	5*	1	1	1

NOTES:

VOC = Volatile Organic Compound

PQL = Practical Quantitation Limit

MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.

ND = Indicated constituents not detected above the MDL

µg/kg = micrograms per kilogram

J = Analyte detected; However result is an estimated value between the MDL and the PQL.

B = Analyte was present in the associated method blank.

* Concentration exceeded calibration range; Dilutions for these compounds

— = Compound Not Analyzed

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B15-2.5	B15-5	B16-2.5	B16-5	B16-10	B17-2.5	B17-5
		Date:	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013	5/1/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	108	ND	65.2	ND	ND	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	3.40	ND	1.18J	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	2.34J	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	13.4	ND	162	23.3	3.46J	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	4.90J	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	84.6	6.58J	42.6	1.80J	ND	ND	ND
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	34.5	2.70J	67.5	2.78J	ND	1.86J	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
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B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B18-2.5	B18-5	B19-2.5	B19-5	B20-2.5	B20-5	B20-10
		Date:	5/1/2013	5/1/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	23.8J	25.0J	ND	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	6.10J	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	ND	ND	ND	4.76J	18.1	1.10J	ND
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	9.28J	5.10J	ND	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B21-2.5	B21-5	B21-10	B22-2.5	B22-5	B22-10	B23-2.5
		Date:	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/2/2013	5/1/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	ND	ND	ND	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	2.12J	ND	ND	ND	ND	ND	44
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

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TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B23-5	B23-10	B28-2.5	B28-5	B29-2.5	B29-5	B29-10
		Date:	5/1/2013	5/1/2013	4/25/2013	4/25/2013	5/1/2013	5/1/2013	5/1/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	24.0J	ND	ND	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	2.4	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	3.32J	ND	20.9	ND	84.4	3.56J	4.12J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
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ND = Indicated constituents not detected above the MDL
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* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B31-2.5	B31-5	B31-10	B37-2.5	B37-5	B38-2.5	B38-5
		Date:	5/2/2013	5/2/2013	5/2/2013	6/6/2013	6/6/2013	6/7/2013	6/7/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	ND	24.4J	ND	31.0J	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	ND	3.9	ND	6.98	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	1.30J	2.10J	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	ND	ND	ND	45.5	2.76J	302	8.56J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	2.04	ND	3.96	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	ND	ND	2.44J	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B39-2.5	B39-5	B40-2.5	B40-5	B43-5	B43-10	B44-5
		Date:	6/7/2013	6/7/2013	6/7/2013	6/7/2013	6/6/2013	6/6/2013	6/6/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	41.0J	ND	ND	ND	ND	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	1.60J	ND	1.00J	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	6.68J	8.78J	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	26.9	2.52J	54	21.4	93.2	30	55.2
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	28.9	5.26J	ND	ND	ND	1.12J	1.88J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	159	7.48J	11.4	2.34J	1.28J	2.32J	2.32J
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

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TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B44-10	B45-2.5	B45-5	B46-2.5	B46-5	B47-2.5	B47-5.0
		Date:	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	5/31/2013	5/31/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	27.8J	ND	ND	ND	36.0J	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	4	ND	ND	ND	5.50	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	1.32J	ND	ND	1.46J	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	9.74J	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	2.42J	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	46.2	238	49.7	ND	ND	59.2	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	14.5	ND	ND	ND	3.06J	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	3.44J	7.96J	ND	26.5	ND	77.6	3.10J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	2.22	ND	ND	ND	4.08	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	3.24J	123	5.50J	42.4	2.20J	330	15.1
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B48-2.5	B48-5.0	B49-2.5	B49-5.0	B49-10.0	B50-2.5	B50-5
		Date:	5/31/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	6/6/2013	6/6/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	31.8J	28.0J	ND	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	4.18	1.12J	ND	2.84	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	3.00J	4.94J	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	27.2	22.4	135	47.3	1.54J	36.1	ND
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	3.06	ND	ND	2.12	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	10	8.46J	14.1	6.22J	ND	3.48J	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B51-2.5	B51-5	B52-2.5	B52-5	B53-2.5	B53-5	B54-2.5
		Date:	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	6/6/2013	5/31/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	40.0J	ND	62	ND	46.0J	ND	68
Benzene	0.098 - 46.5	0.75 - 100	2.76	ND	1.82J	ND	1.66J	ND	2.78
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	14.2	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	1.28J
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	1.68J	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	23.1
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	8.20J
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	24.4	3.10J	132	ND	204
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	2.68J	ND	10.6
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	89.3	2.28J	ND	ND	2.92J	ND	107
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	1.60J	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	21.4	1.24J	1.54J	ND	8.44J	1.38J	107
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	2.24
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B54-5.0	B55-2.5	B55-5	B56-2.5	B56-5.0	B57-2.5	B57-5
		Date:	5/31/2013	6/6/2013	6/6/2013	5/31/2013	5/31/2013	6/7/2013	6/7/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND<127	ND	66.8	19.0J	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND<9.3	ND	1.94J	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND<33.9	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND<3.8	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND<6.3	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND<33.9	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND<27.5	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND<58.3	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND<20.5	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND<30.4	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND<13.4	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND<55.3	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND<24.8	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND<8.9	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND<21.5	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND<55.3	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	67.0J	1.88J	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND<17.4	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND<13.4	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND<23.5	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND<26.9	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND<6.5	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND<27.5	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND<23	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	10	ND<10.3	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND <16.5	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND<22.3	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND<20.7	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND<13	2.44J	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND<15.7	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	12.9	ND<16	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	3060	210	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	46.0J	3.04J	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND<6.6	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND<9.2	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND<13.6	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND<11.2	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND<9.8	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND<9.6	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND<10	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND<27.7	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND<31.8	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND<14.2	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND<38.6	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND<29	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND<31.4	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND<33.1	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND<11.4	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND<11.4	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND<8	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND<12.8	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND<32.5	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	2.94J	ND<9.3	ND	21.7	1.20J	12.3	4.94J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND<10	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND<12.3	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND<28.2	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND<20.3	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND <17.4	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	4.28J	ND<11.5	2.56J	53.1	3.76J	ND	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND<31.5	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND<17.4	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND<31.9	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND<12.3	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND<108	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND<27.9	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND<10	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND <18	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	10*	1	1	1	1	1

NOTES:

VOC = Volatile Organic Compound

PQL = Practical Quantitation Limit

MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.

ND = Indicated constituents not detected above the MDL

µg/kg = micrograms per kilogram

J = Analyte detected; However result is an estimated value between the MDL and the PQL.

B = Analyte was present in the associated method blank.

* Concentration exceeded calibration range; Dilutions for these compounds

— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B58-2.5	B58-5	B61-2.5	B61-5.0	B62-2.5	B62-5.0	B63-2.5
		Date:	6/7/2013	6/7/2013	5/31/2013	5/31/2013	5/31/2013	5/31/2013	6/7/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	28.0J	ND	26.0J	18.9J	24.5J	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	1.78J	ND	1.86J	1.72J	2.54	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	42.6	2.28J	33.9	34	71.8	13.3	ND
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	1.44J	ND	1.66J	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	1.24J	ND	ND	1.80J	22	4.68J	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

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TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B63-5	B64-2.5	B64-5	B64-10	B65-2.5	B65-5	B65-10
		Date:	6/7/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	22.6J	ND	ND	20.2J	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	ND	ND	ND	ND	2.10J	ND	ND
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	ND	8.68J	2.34J	3.58J
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

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TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B66-2.5	B66-5	B66-10	B67-2.5	B67-5	B67-10	B68-2.5
		Date:	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	29.6J	ND	ND	67	36.0J	22.8J	50.4
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	ND	2.36	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	6.06J	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	23.2	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	7.38J	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	2.14J	ND	ND	62.0	1.20J	2.82J	11.5
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	3.22J	ND	2.80J	56.0	1.26J	3.16J	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B68-5	B69-2.5	B69-5	B69-10	B70-2.5	B70-5	B70-10
		Date:	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	22.1J	74	22.0J	38.0J	71.8	25.6J	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	6.06	ND	ND	3.28	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	10.0J	ND	ND	12.1J	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	2.92J	102	4.76J	24.7	286	6.00J	5.02J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	3.1	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	2.00J	ND	ND	16	ND	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B71-2.5	B71-5	B71-10	B72-2.5	B72-5	B72-10	B73-2.5
		Date:	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/28/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	69.6	21.0J	ND	70	61.4	ND	48.0J
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	ND	5.18	ND	ND	8.52
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	16.3J	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	125	32.0	75.4	400	18.7	31.2	210
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	2.48	ND	ND	4.04
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	4.74J	ND	ND	2.16J
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B73-5	B73-10	B74-1	B74-2.5	B74-5	B74-10	B75-1
		Date:	6/28/2013	6/28/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	12J	16J	ND<6.8	ND	22J
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	1.8	0.19J	ND<0.14	0.30J	1.3
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND<0.23	ND<0.23	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND<0.77	ND<0.75	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND<0.26	ND<0.25	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND<0.88	ND<0.87	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND<10	ND<10	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	3.3J	ND<4.2	ND<4.1	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND<0.17	ND<0.17	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND<0.64	ND<0.63	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND<0.17	ND<0.16	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	2.4J	ND<0.34	ND<0.33	ND	11
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND<0.31	ND<0.31	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	0.46J	ND<0.25	ND<0.24	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND<1.7	ND<1.6	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND<0.27	ND<0.26	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND<0.34	ND<0.33	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND<0.24	ND<0.23	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND<0.26	ND<0.25	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND<1.9	ND<1.9	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND<0.63	ND<0.62	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND<0.28	ND<0.28	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND<0.86	ND<0.84	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND<0.25	ND<0.25	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND<0.20	ND<0.19	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	0.27J	ND<0.25	ND<0.24	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND<0.49	ND<0.48	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND<0.23	ND<0.23	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND<0.35	ND<0.34	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND<0.38	ND<0.38	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND<0.31	ND<0.30	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND<0.56	ND<0.55	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND<0.49	ND<0.48	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND<0.28	ND<0.28	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND<0.37	ND<0.36	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND<0.36	ND<0.36	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND<0.28	ND<0.28	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND<0.67	ND<0.66	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	0.20J	ND<0.17	ND<0.17	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND<2.0	ND<1.9	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND<0.61	ND<0.60	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND<0.70	ND<0.69	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND<0.33	ND<0.32	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND<4.8	ND<4.7	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND<1.5	ND<1.5	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND<0.90	ND<0.89	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND<0.56	ND<0.55	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND<0.67	ND<0.66	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND<0.27	ND<0.26	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND<0.38	ND<0.38	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	4.36J	29.6	0.93	ND<0.23	ND<0.23	0.23J	2.2
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	1.1	ND<0.57	ND<0.56	ND	0.63J
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND<1.0	ND<1.0	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND<0.34	ND<0.34	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND<0.25	ND<0.25	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND<0.39	ND<0.39	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	0.44J	ND<0.33	ND<0.33	0.23J	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND<0.42	ND<0.41	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND<0.92	ND<0.90	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND<0.65	ND<0.64	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND<0.61	ND<0.60	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND<5.3	ND<5.2	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND<0.56	ND<0.55	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND<0.62	ND<0.61	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	0.30J	ND<0.30	ND<0.29	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	0.45J	ND<0.39	ND<0.38	ND	ND
		Dilution Factor:	1	1	0.818	1.11	1.09	0.754	0.88

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B75-2.5	B75-5	B75-10	B76-1	B76-2.5	B76-5	B76-10
		Date:	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	9.7J	18J	6.1J	11J	18J	15J	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	0.15J	0.75J	0.84	0.14J	0.35J
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	2.4J	8.3	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	ND	0.20J	0.97	ND	0.78J	ND	0.36J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	0.852	0.839	0.79	0.933	0.821	0.796	0.814

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B77-1	B77-2.5	B77-5	B77-10	B78-1	B78-2.5	B78-5
		Date:	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	14J	17J	12J	ND	66	12J	6.7J
Benzene	0.098 - 46.5	0.75 - 100	2.0	3.6	ND	ND	0.40J	2.0	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	19	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	3.5J	0.36J	ND	ND	0.28J	0.94J	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	0.30B,J	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	0.23J	0.22J
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	2.1	1.8	1.2	0.33J	19	15
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	0.79J	0.54J
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	0.17J	0.24J	ND	ND	0.85	0.17J	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	2.4J	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	7.7J	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	1.5J	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	4.9	56	10	12	48	32	9.9
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	1.3	1.9	ND	ND	5.9	1.2	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	2.4	49	8.7	7.8	14	58	24
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	2.9	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	0.69J	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	1.8	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	0.28J	ND	ND	3.7	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	0.89	1	0.814	0.956	0.838	0.919	0.85

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B78-10	B79-1	B79-2.5	B79-5	B79-10	B80-1	B80-2.5
		Date:	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	9.5J	32J	11J	16J	ND	86	27J
Benzene	0.098 - 46.5	0.75 - 100	0.30J	2.8	1.5	0.17J	0.23J	0.97J	6.4
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	20	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	1.1J	ND	ND	ND	6.8J	0.71J
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	0.61J	0.20J	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	0.46J	ND	0.70J	0.50	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	0.69J	ND	0.23J	0.35J	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	0.61J	ND	ND	0.33J	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	10	160	46	64	78	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	5.8	ND	ND	0.70J	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	0.85J	0.26J
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	2.0J	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	0.41J
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	20	12	2.5	0.91	2.2	550*	3400*
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	1.3	0.86J	ND	ND	7.9	2.6
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	40	170	13	6.2	10	1.1J	5.8
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	2.1	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	0.60J	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	1.5	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	3.7	0.29J
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	0.883	0.887	0.824	0.81	0.907/94.7*	0.954/100*

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

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TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B80-5	B80-10	B81-1	B81-2.5	B81-5	B81-10	B82-1
		Date:	7/18/2013	7/18/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/18/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	6.7J	ND	54	15J	11J	6.2J	30J
Benzene	0.098 - 46.5	0.75 - 100	0.12J	0.19B,J	0.48J	ND	ND	0.19J	1.2
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	8.3J	ND	ND	ND	6.1J
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	3.2B,J	ND	ND	0.34B,J	1.0J
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	0.35J
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	0.83J	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	0.29J
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	0.29J
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	2.2	4.3	4.3	36
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	6.0
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	360*	110	28	2.1	1.6	4.7	0.68J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	0.81J	ND	ND	ND	0.81J
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	1.5J	0.91J	34	6.7	8.4	16	14
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	0.44J	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	0.79J	ND	ND	ND	ND
		Dilution Factor:	0.8/81.4*	0.833	0.943	0.839	0.853	0.931	0.828

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B82-2.5	B82-5	B82-10	B83-1	B83-2.5	B83-5	B83-10
		Date:	7/18/2013	7/18/2013	7/18/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	39J	18J	ND	35J	62	9.3J	6.6J
Benzene	0.098 - 46.5	0.75 - 100	1.7	0.23J	0.21B,J	0.53J	2.9	ND	0.16B,J
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	6.6J	ND	ND	4.9J	12J	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	0.74J	ND	ND	0.31B,J	1.5J	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	0.22J	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	0.28J	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	1.6	2.9	6.9	0.79J	16	4.6	8.5
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	0.27J	ND	0.36J	ND	0.52J
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	0.83J	0.41J	0.31J	ND	0.37J	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	0.86J	ND	ND	ND	0.60J	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	130	45	33	38	920*	29	7.1
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	30	5.3	2.7	0.80J	5.6	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	0.20J	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	0.64J	0.30J	0.70J	0.63J	0.79J	ND	0.84
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	0.62J	ND	ND	ND	1.5	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	25	5.7	6.8	0.38J	0.60J	0.90J	2.8
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	0.33J	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	0.947	0.832	0.821	0.839	0.928/49.4*	0.867	0.813

NOTES:

VOC = Volatile Organic Compound

PQL = Practical Quantitation Limit

MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.

ND = Indicated constituents not detected above the MDL

µg/kg = micrograms per kilogram

J = Analyte detected; However result is an estimated value between the MDL and the PQL.

B = Analyte was present in the associated method blank.

* Concentration exceeded calibration range; Dilutions for these compounds

— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B84-1	B84-2.5	B84-5	B84-10	B85-1	B85-2.5	B85-5
		Date:	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	28J	31J	9.5J	30J	50	ND<290	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	0.41J	ND	0.44J	ND	ND<6.0	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND<0.51	ND	ND<9.6	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND<1.7	ND	ND<32	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND<0.57	ND	ND<11	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	2.3J	ND	ND<37	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND<23	ND	ND<430	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	4.2J	ND	ND	ND<9.2	13J	ND,170	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND<0.38	ND	ND,7.2	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND,1.4	ND	ND,27	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND<0.37	ND	ND<6.9	ND
Carbon disulfide	0.23 - 277	7.5 - 500	0.70B,J	1.4J	ND	0.78J	0.32B,J	76	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND<0.69	ND	ND<13	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND<0.55	ND	ND<10	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND<3.6	ND	ND<69	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND<0.58	ND	ND<11	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	0.85J	ND	ND<14	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND<0.52	ND	ND<9.8	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND<0.56	ND	ND<11	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND<4.2	ND	ND<80	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND<1.4	ND	ND<26	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND<0.62	ND	ND<12	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND<1.9	ND	ND<36	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND<0.56	ND	120	0.87J
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND<0.43	ND	ND<8.1	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND<0.54	ND	ND<10	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND<1.1	ND	ND<20	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND<0.52	ND	ND<9.7	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND<0.77	ND	ND<14	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND<0.84	ND	ND<16	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND<0.68	0.93	1200	32
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND<1.2	ND	ND<23	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND<1.1	ND	ND<20	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND<0.62	ND	ND<12	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND<0.81	ND	ND<15	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND<0.80	ND	ND<15	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND<0.62	ND	ND<12	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND<1.5	ND	ND<28	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND<0.37	ND	ND<7.0	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND<4.3	ND	ND<81	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND<1.3	ND	ND<25	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND<1.5	ND	ND<29	ND
MTBE	0.22 - 145	1.5 - 250	0.56J	ND	ND	ND<0.72	ND	ND<14	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND<11	ND	ND<200	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND<3.3	ND	ND<62	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND<2.0	ND	ND<37	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND<1.2	ND	ND<23	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND<1.5	ND	ND<28	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND<0.59	ND	ND<11	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND<0.84	ND	ND<16	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	ND	9.5	1.0	5.8	ND	210	0.50J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	0.94	ND	ND	ND<1.3	ND	ND<24	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND<2.2	ND	ND<42	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND<0.76	ND	ND<14	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	0.69J	ND	ND<10	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND<0.86	ND	ND<16	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	6.9	0.56J	3.7J	0.50J	730	4.4
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND<0.92	ND	ND<17	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND<2.0	ND	ND<38	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND<1.4	ND	ND<27	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND<1.3	ND	ND<25	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND<12	ND	ND<220	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND<1.2	ND	ND<23	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND<1.4	ND	ND<26	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	0.31J	ND	ND	ND<0.65	ND	ND<12	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND<0.86	ND	ND<	ND
		Dilution Factor:	0.909	0.909	0.904	2.44	0.909	46	0.868

NOTES:

VOC = Volatile Organic Compound

PQL = Practical Quantitation Limit

MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.

ND = Indicated constituents not detected above the MDL

µg/kg = micrograms per kilogram

J = Analyte detected; However result is an estimated value between the MDL and the PQL.

B = Analyte was present in the associated method blank.

* Concentration exceeded calibration range; Dilutions for these compounds

— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B85-10	B86-1	B86-2.5	B86-5	B86-10	B87-1	B87-2.5
		Date:	7/19/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/19/2013	7/19/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	43	39J	6.5J	ND	30J	27J
Benzene	0.098 - 46.5	0.75 - 100	ND	0.20J	1.9	ND	ND	0.34J	0.59J
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	8.9J	6.7J	ND	ND	4.1J	3.9J
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	0.15J	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	0.32B,J	ND	0.98J	ND	ND	0.57B,J	0.83J
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	0.27J	1.3J	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	4.8	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	0.26J	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	1.6	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	0.93J	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	8.6	ND	130	11	8.5	ND	40
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	7.4	ND	ND	ND	2.1
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	0.44J	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	3.6	ND	1.1	0.50J	0.29J	ND	0.36J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	2.8	ND	ND	ND	0.62J	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	13	ND	29	3.9	3.0	ND	4.2
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	2.1	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	0.88J	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	1.0	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	2.1	ND	ND	ND	0.25J	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	0.949	0.825	0.954	0.888	0.805	0.929	0.825

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B87-5	B87-10	B88-1	B88-2.5	B88-5	B88-10	B89-1
		Date:	7/19/2013	7/19/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/19/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	9.2J	ND	32J	38J	10J	10J	32J
Benzene	0.098 - 46.5	0.75 - 100	ND	0.12J	0.52B,J	1.2	ND	0.15B,J	0.49J
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	5.2J	6.6J	ND	ND	4.9J
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	0.32B,J	1.5J	1.9J	ND	ND	0.68B,J
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	0.27J	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	0.48J	ND	0.63J	ND	0.86J	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	16	23	38	50	10	4.3	28
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	0.61J	2.1	1.8	ND	ND	1.4
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	ND	0.23J	20	46	6.1	11	7.5
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	0.56J	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	0.58J	1.3J	22	46	1.7J	1.9J	7.5
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	0.43J	ND	ND
		Dilution Factor:	0.89	0.794	0.887	0.988	0.938	0.969	0.965

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B89-2.5	B89-5	B89-10	B90-1	B90-2.5	B90-5	B90-10
		Date:	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	72	ND	7.9J	33J	9.1J	ND	7.8J
Benzene	0.098 - 46.5	0.75 - 100	1.1	ND	0.13J	0.67J	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	13J	ND	ND	3.7J	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	7.3J	0.46J	ND	3.4B,J	0.41B,J	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	0.32J	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	0.25J	0.97	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	0.30J	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	94	26	21	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	3.9	0.50J	0.59J	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	1.4	0.21J	1.2	0.18J	ND	0.18J	0.40J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	0.51J	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	17	2.6	5.2	ND	ND	ND	0.36J
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	0.26J
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	0.935	0.893	0.829	0.832	0.829	0.801	0.813

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B91-2.5	B91-5	B91-10	B92-2.5	B92-5	B92-10	B93-2.5
		Date:	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	23J	5.8J	ND	52	ND	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	0.87J	ND	ND	0.16J	ND	ND	0.14J
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	7.5J	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	0.70B,J	0.49B,J	0.46B,J	0.56B,J	0.57B,J	0.50B,J	0.60B,J
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	77	5.2	6.3	1.3	0.38J	ND	65
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	0.867	0.82	0.773	0.806	0.808	0.994

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B93-5	B93-10	B94-2.5	B94-5	B94-10	B95-2.5	B95-5
		Date:	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013	7/16/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	51	8.1J	ND	7.4J	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	0.12J	0.82J	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	4.8J	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	0.53B,J	0.49B,J	0.83B,J	0.54B,J	0.46B,J	0.52B,J	0.49B,J
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	9.5	16	49	3.4	2.9	2.7	1.9
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	ND	ND	ND	ND	0.32J	0.77J
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	0.87	0.786	0.894	0.88	0.79	0.923	0.842

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B95-10	B96-1	B96-2.5	B96-5	B96-10	B97-1	B97-2.5
		Date:	7/16/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	96	12J	27J	7.3J	6.9J	6.2J
Benzene	0.098 - 46.5	0.75 - 100	ND	0.27B,J	ND<0.13	0.14J	0.12B,J	0.32J	3.8
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND<0.21	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND<0.70	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND<0.24	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND<0.81	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND<9.6	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	5.9J	ND<3.8	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND<0.16	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND<0.59	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND<0.15	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	0.41B,J	ND	ND<0.31	ND	ND	ND	0.30J
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND<0.29	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND<0.23	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND<1.5	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND<0.24	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND<0.31	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND<0.22	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND<0.24	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND<1.8	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND<0.58	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND<0.26	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND<0.79	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND<0.23	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND<0.18	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND<0.23	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND<0.45	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND<0.22	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND<0.32	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND<0.35	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND<0.29	ND	ND	ND	1.7
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND<0.52	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND<0.45	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND<0.26	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND<0.34	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND<0.33	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND,0.26	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND<0.62	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND<0.15	ND	ND	ND	0.41J
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND<1.8	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND<0.56	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND<0.64	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND<0.30	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND<4.4	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND<1.4	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND<0.83	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND<0.51	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND<0.62	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND<0.24	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND<0.35	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	1.2	2.1	0.30J	0.21J	0.36J	9.9	58
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND<0.53	ND	ND	ND	2.9
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND<0.93	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND<0.32	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND<0.23	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND<0.36	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	0.59J	ND	ND<0.31	ND	ND	0.43J	6.6
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND<0.38	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND<0.85	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND<0.60	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND<0.56	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND<4.8	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND<0.51	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND<0.57	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND<0.27	ND	ND	ND	0.61J
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND<0.36	ND	ND	ND	ND
		Dilution Factor:	0.795	0.977	1.02	0.806	0.769	0.906	0.921

NOTES:

VOC = Volatile Organic Compound

PQL = Practical Quantitation Limit

MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.

ND = Indicated constituents not detected above the MDL

µg/kg = micrograms per kilogram

J = Analyte detected; However result is an estimated value between the MDL and the PQL.

B = Analyte was present in the associated method blank.

* Concentration exceeded calibration range; Dilutions for these compounds

— = Compound Not Analyzed

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B97-5	B97-10	B98-1	B98-2.5	B98-5	B98-10	B99-1
		Date:	7/19/2013	7/19/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	15J	5.2J	26J	37J	16J	6.4J	8.6J
Benzene	0.098 - 46.5	0.75 - 100	0.16J	0.14J	1.8	9.8	ND	ND	1.7
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND<0.21	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND<0.70	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND<0.24	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND<0.81	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND<9.6	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND<3.8	ND	3.9J	7.5J	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND<0.16	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND<0.59	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND<0.15	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND<0.31	ND	0.77J	0.51J	ND	ND	1.6J
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND<0.29	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND<0.23	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND<1.5	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND<0.24	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND<0.31	ND	ND	ND	ND	0.37J	0.96B,J
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND<0.22	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND<0.24	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND<1.8	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND<0.58	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND<0.26	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND<0.79	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND<0.23	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND<0.18	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND<0.23	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND<0.45	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND<0.22	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND<0.32	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND<0.35	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	1.6	1.4	ND	78	13	9.9	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND<0.52	ND	ND	2.1	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND<0.45	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND<0.26	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND<0.34	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND<0.33	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND<0.26	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND<0.62	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND<0.15	ND	0.20J	1.0	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND<1.8	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND<0.56	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND<0.64	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND<0.30	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND<4.4	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND<1.4	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND<0.83	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND<0.51	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND<0.62	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND<0.24	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND<0.35	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	12	8.0	0.21J	31	0.68J	1.2	0.42J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND<0.53	ND	1.3	6.2	ND	ND	0.74J
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND<0.93	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND<0.32	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND<0.23	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND<0.36	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	2.1	2.1	0.27J	61	2.1	3.5	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND<0.38	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND<0.85	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND<0.60	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND<0.56	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND<4.8	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND<0.51	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND<0.57	ND	ND	0.66J	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND<0.27	ND	0.37J	1.4J	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND<0.36	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1.02	0.78	0.84	0.96	0.839	0.938	0.864

NOTES:

VOC = Volatile Organic Compound

PQL = Practical Quantitation Limit

MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.

ND = Indicated constituents not detected above the MDL

µg/kg = micrograms per kilogram

J = Analyte detected; However result is an estimated value between the MDL and the PQL.

B = Analyte was present in the associated method blank.

* Concentration exceeded calibration range; Dilutions for these compounds

— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B99-2.5	B99-5	B99-10	B100-1	B100-2.5	B100-5	B100-10
		Date:	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	9.2J	ND	23J	26J	16J	ND
Benzene	0.098 - 46.5	0.75 - 100	0.42J	2.5	ND	0.65J	2.6	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	0.28J	ND	4.2J	17	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	—	—	—	—
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	0.41B,J	1.3B,J	0.29B,J	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	0.22J	ND	ND	0.16J	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	—	—	—	—
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	ND	1.6	1.5	0.26J	6.1	0.48J	1.5
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	1.7	ND	ND	1.3	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	ND	0.74J	1.2J	ND	ND	ND	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	0.32J	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	0.833	0.873	0.867	0.838	1	0.921	1.04

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	B101-2.5	B101-5	B101-10	VA1-10	VA1-15	VA1-20	GW1-2.5
		Date:	7/18/2013	7/18/2013	7/18/2013	6/7/2013	6/7/2013	6/7/2013	6/4/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	22J	11J	6.8J	ND	ND	ND	109.00
Benzene	0.098 - 46.5	0.75 - 100	1.9	ND	ND	ND	ND	ND	3.24
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	—	—	—	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	1.28J	ND	3.50J	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND	ND	ND	11.1	ND	ND	120
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	0.15J	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	—	—	—	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	37	2.1	3.9	45.7	2.14J	ND	31.4
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	1.0	ND	ND	ND	ND	ND	2.28
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	1.3J	ND	0.35J	3.94J	3.64J	ND	31.6
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	ND	ND	ND	—	—	—	—
		Dilution Factor:	0.951	1	0.986	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	GW1-5	GW1-10	GW1-14	GW2-2.5	GW2-5	GW2-10	GW2-15
		Date:	6/4/2013	6/4/2013	6/4/2013	6/4/2013	6/5/2013	6/5/2013	6/5/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)						
Acetone	4.7 - 635	38 - 2500	ND	ND	ND	ND	ND	ND	ND
Benzene	0.098 - 46.5	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND	ND	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	10.5	2.18J	12.9	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	1.14J	2.32J	2.76J	ND	ND	ND	2.28J
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND	ND	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	1.78J	1.88J	4.66J	ND	ND	ND	ND
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND	ND	ND	ND	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—	—	—	—
		Dilution Factor:	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5
Soil Matrix Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B		Sample ID:	GW3-2.5	GW3-5	GW3-10	GW3-15
		Date:	6/4/2013	6/4/2013	6/4/2013	6/4/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)			
Acetone	4.7 - 635	38 - 2500	ND<63.5	30.0J	17.8J	ND
Benzene	0.098 - 46.5	0.75 - 100	ND<4.65	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.16 - 170	0.75 -500	ND<17	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.38 - 19	1.5 - 500	ND<1.9	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.18 - 31.5	0.75 - 500	ND<3.15	ND	ND	ND
Bromoform (Tribromomethane)	0.60 - 170	3.8 - 2500	ND<17	ND	ND	ND
Bromomethane (Methyl bromide)	2.75 - 138	15 - 1500	ND<13.8	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	2.8 - 292	15 - 2500	ND<29.2	ND	ND	ND
n-Butylbenzene	0.12 - 103	0.75 - 500	ND<10.3	ND	ND	ND
sec-Butylbenzene	0.44 - 152	0.75 - 500	ND<15.2	ND	ND	ND
tert-Butylbenzene	0.11 - 67	0.75 - 500	ND<6.7	ND	ND	ND
Carbon disulfide	0.23 - 277	7.5 - 500	ND<27.7	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.21 - 124	0.75 - 500	ND<12.4	ND	ND	ND
Chlorobenzene	0.17 - 44.5	0.75 - 500	ND<4.45	ND	ND	ND
Chloroethane	1.1 - 108	1.5 - 1500	ND<10.8	ND	ND	ND
2-Chloroethyl vinyl ether	5.53 - 277	50 - 2500	ND<27.7	ND	ND	ND
Chloroform (Trichloromethane)	0.18 - 62	0.75 - 500	ND<6.2	ND	ND	ND
Chloromethane (Methyl chloride)	0.23 - 87	15 - 1500	ND<8.7	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.17 - 67	0.75 - 500	ND<6.7	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.16 - 118	0.75 - 500	ND<11.8	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	1.3 - 135	3.8 - 2500	ND<13.5	ND	ND	ND
Dibromochloromethane	0.43 - 32.5	1.5 - 500	ND<3.25	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.19 - 138	0.75 - 500	ND<13.8	ND	ND	ND
Dibromomethane	0.58 - 115	0.75 - 500	ND<11.5	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.17 - 51.5	0.75 - 500	ND<5.15	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.13 - 82.5	0.75 - 500	ND <8.25	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.17 - 112	0.75 - 500	ND<11.2	ND	ND	ND
Dichlorodifluoromethane	0.33 - 104	1.5 - 1500	ND<10.4	ND	ND	ND
1,1-Dichloroethane	0.16 - 65	0.75 - 500	ND<6.5	ND	ND	ND
1,2-Dichloroethane	0.24 - 78.5	0.75 - 500	ND<7.85	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.26 - 80	0.75 - 500	ND<8	ND	ND	ND
cis-1,2-Dichloroethene	0.21 - 108	0.75 - 500	ND<10.8	ND	ND	ND
trans-1,2-Dichloroethene	0.38 - 130	0.75 - 500	ND<13	ND	ND	ND
1,2-Dichloropropane	0.33 - 33	0.75 - 500	ND<3.3	ND	ND	ND
1,3-Dichloropropane	0.19 - 46	0.75 - 500	ND<4.6	ND	ND	ND
2,2-Dichloropropane	0.25 - 68	3.8 - 500	ND<6.8	ND	ND	ND
1,1-Dichloropropene	0.25 - 56	1.5 - 500	ND<5.6	ND	ND	ND
cis-1,3-Dichloropropene	0.19 - 49	0.75 - 500	ND<4.9	ND	ND	ND
trans-1,3-Dichloropropene	0.46 - 48	1.5 - 500	ND<4.8	ND	ND	ND
Ethylbenzene	0.11 - 50	0.75 - 100	ND<5	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77 - 139	30 - 1500	ND<13.9	ND	ND	ND
2-Hexanone	1.3 - 159	15 - 2500	ND<15.9	ND	ND	ND
Isopropylbenzene	0.41 - 71	0.75 - 500	ND<7.1	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.47 - 193	0.75 - 500	ND<19.3	ND	ND	ND
MTBE	0.22 - 145	1.5 - 250	ND<14.5	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14 - 157	7.5 - 2500	ND<15.7	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.0 - 166	15 - 2500	ND<16.6	ND	ND	ND
Naphthalene	0.61 - 57	7.5 - 500	ND<5.7	ND	ND	ND
n-Propylbenzene	0.38 - 57	1.5 - 500	ND<5.7	ND	ND	ND
Styrene	0.46 - 40	0.75 - 500	ND<4	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.18 - 64	0.75 - 500	ND<6.4	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.26 - 163	1.5 - 500	ND<16.3	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene) {PCE}	0.16 - 46.5	0.75 - 500	**2,960**	**56.4**	**324**	**71.2**
Toluene (Methyl benzene)	0.39 - 50	0.75 - 100	ND<5	ND	ND	ND
1,2,3-Trichlorobenzene	0.69 - 61.5	1.5 - 500	ND<6.15	ND	ND	ND
1,2,4-Trichlorobenzene	0.23 - 141	1.5 - 500	ND<14.1	ND	ND	ND
1,1,1-Trichloroethane	0.17 - 102	0.75 - 500	ND<10.2	ND	ND	ND
1,1,2-Trichloroethane	0.27 - 87	0.75 - 500	ND <8.7	ND	ND	ND
Trichloroethene (TCE)	0.23 - 57.5	1.5 - 500	**56.0**	**1.36J**	**5.20J**	**1.60J**
Trichlorofluoromethane	0.28 - 158	7.5 - 500	ND<15.8	ND	ND	ND
1,2,3-Trichloropropane	0.63 - 87	1.5 - 500	ND<8.7	ND	ND	ND
1,2,4-Trimethylbenzene	0.44 - 160	1.5 - 500	ND<16	ND	ND	ND
1,3,5-Trimethylbenzene	0.41 - 61.5	1.5 - 500	ND<6.15	ND	ND	ND
Vinyl acetate	3.6 - 540	7.5 - 2500	ND<54	ND	ND	ND
Vinyl chloride (Chloroethene)	0.38 - 140	0.75 - 1500	ND<14	ND	ND	ND
o-Xylene	0.42 - 50	0.75 - 100	ND<5	ND	ND	ND
m- & p-Xylenes	0.20 - 90	1.5 - 200	ND <9	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.27 - 0.39	7.5 - 11	—	—	—	—
		Dilution Factor:	5	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown for ASL and Calscience. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
— = Compound Not Analyzed

ALTA ENVIRONMENTAL

TABLE 5A
Soil Matrix Sample Results for VOCs - ENVIRON Split Samples
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B			Sample ID:	ENV-B4B-2.5	ENV-B4B-5	ENV-B10B-2.5	ENV-B10B-5	ENV-B12B-2.5	ENV-B12B-5	ENV-B38B-2.5	ENV-B38B-5
			Date:	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
	MDL (µg/kg):	PQL (µg/kg):		VOC Concentration (µg/kg)							
Acetone	5.0 - 280	40 - 2200		11J	ND	87	14J	120	ND	12J	ND
Benzene	0.10 - 5.8	0.80 - 44		0.29J	ND	1.8	ND	4.4	ND	1.2	ND
Bromobenzene	0.17 - 9.3	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	0.55 - 31	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.19 - 10	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	0.63 - 35	4.0 - 220		ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	7.5 - 420	16 - 890		ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	3.0 - 170	16 - 890		ND	ND	5.9J	ND	26	ND	ND	ND
n-Butylbenzene	0.12 - 7.0	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.46 - 26	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.12 - 6.7	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	0.24 - 14	8.0 - 440		0.57B,J	0.54B,J	0.84 B,J	0.68B,J	3.0B,J	0.65B,J	0.69B,J	0.35B,J
Carbon Tetrachloride	0.23 - 13	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.18 - 10	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.2 - 66	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.19 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	0.24 - 14	16 - 890		ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.18 - 10	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.17 - 9.5	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.45 - 25	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	1.4 - 77	4.0 - 220		ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.20 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.62 - 34	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.18 - 10	0.80 - 44		ND	ND	1.0	ND	16	2.2	ND	ND
1,3-Dichlorobenzene	0.14 - 78	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.18 - 9.9	0.80 - 44		ND	ND	ND	ND	0.51J	ND	ND	ND
Dichlorodifluoromethane	0.35 - 20	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.17 - 9.4	0.80 - 44		0.19J	0.53J	0.38J	ND	0.81J	0.49J	ND	ND
1,2-Dichloroethane	0.25 - 14	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.28 - 15	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	0.22 - 12	0.80 - 44		2.5	2.8	2.5	0.73J	2,100*	420*	ND	ND
t-1,2-Dichloroethene	0.40 - 23	0.80 - 44		ND	ND	ND	ND	12	2.2	ND	ND
1,2-Dichloropropane	0.35 - 19	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.20 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.26 - 15	4.0 - 220		ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.26 - 15	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
c-1,3-Dichloropropene	0.20 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	0.48 - 27	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.12 - 6.7	0.80 - 44		ND	ND	ND	ND	0.31J	ND	ND	ND
2-Hexanone	1.4 - 78	16 - 890		ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.44 - 24	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	0.50 - 28	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.1 - 60	8.0 - 440		ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	3.4 - 190	16 - 890		ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.65 - 36	8.0 - 440		ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.40 - 22	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
Styrene	0.48 - 27	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.19 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.28 - 15	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.17 - 47	0.80 - 220		19	3.3	4,300*	340*	8.7	2.3	55	7.0
Toluene	0.41 - 23	0.80 - 44		ND	ND	1.2	ND	2.4	ND	0.69J	ND
1,2,3-Trichlorobenzene	0.73 - 41	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.25 - 14	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.18 - 10	0.80 - 44		ND	ND	6.9	0.57J	ND	ND	ND	ND
1,1,2-Trichloroethane	0.28 - 16	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.28 - 16	8.0 - 440		1.1J	ND	3.2J	1.4J	ND	ND	ND	ND
Trichloroethene	0.24 - 14	1.6 - 91		71	20	46	5.4	2.1	ND	ND	ND
Trichlorofluoromethane	0.30 - 17	8.0 - 440		ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.66 - 37	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.47 - 26	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.44 - 24	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	3.8 - 210	8.0 - 440		ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.40 - 22	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	0.21 - 12	1.6 - 89		ND	ND	ND	ND	0.53J	ND	ND	ND
o-Xylene	0.44 - 25	0.80 - 44		ND	ND	ND	ND	1.3	ND	ND	ND
Methyl-t-Butyl Ether (MTBE)	0.24 - 13	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND
Dilution Factor:	•	•		0.873	0.821	0.933/41.8*	0.936/41.3*	0.877/41.8*	0.797/38.4*	0.909	0.831

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
• = Not Applicable

ALTA ENVIRONMENTAL

TABLE 5A
Soil Matrix Sample Results for VOCs - ENVIRON Split Samples
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B			Sample ID:	ENV-B39B-2.5	ENV-B39B-5	ENV-B55B-2.5	ENV-B55B-5	ENV-GW1B-2.5	ENV-GW1B-5	ENV-GW3B-2.5	ENV-GW3B-5
			Date:	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013	7/18/2013
	MDL (µg/kg):	PQL (µg/kg):		VOC Concentration (µg/kg)							
Acetone	5.0 - 280	40 - 2200		63	10J	58	ND	32J	ND	13J	ND<280
Benzene	0.10 - 5.8	0.80 - 44		2.6	ND	1.6	ND	1.0	ND	1.8	ND<5.8
Bromobenzene	0.17 - 9.3	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<9.3
Bromochloromethane	0.55 - 31	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<31
Bromodichloromethane	0.19 - 10	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<10
Bromoform	0.63 - 35	4.0 - 220		ND	ND	ND	ND	ND	ND	ND	ND<35
Bromomethane	7.5 - 420	16 - 890		ND	ND	ND	ND	ND	ND	ND	420J
2-Butanone	3.0 - 170	16 - 890		14J	ND	11J	ND	6.3J	ND	ND	ND<170
n-Butylbenzene	0.12 - 7.0	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<7.0
sec-Butylbenzene	0.46 - 26	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<26
tert-Butylbenzene	0.12 - 6.7	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<6.7
Carbon Disulfide	0.24 - 14	8.0 - 440		4.6B,J	ND	1.2B,J	0.52B,J	1.1B,J	0.58B,J	0.55B,J	22B,J
Carbon Tetrachloride	0.23 - 13	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<13
Chlorobenzene	0.18 - 10	0.80 - 44		ND	ND	0.63J	ND	ND	ND	ND	ND<10
Chloroethane	1.2 - 66	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<66
Chloroform	0.19 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<11
Chloromethane	0.24 - 14	16 - 890		ND	ND	ND	ND	ND	ND	ND	ND<14
2-Chlorotoluene	0.18 - 10	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<10
4-Chlorotoluene	0.17 - 9.5	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<9.5
Dibromochloromethane	0.45 - 25	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<25
1,2-Dibromo-3-Chloropropane	1.4 - 77	4.0 - 220		ND	ND	ND	ND	ND	ND	ND	ND<77
1,2-Dibromoethane	0.20 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<11
Dibromomethane	0.62 - 34	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<34
1,2-Dichlorobenzene	0.18 - 10	0.80 - 44		0.34J	ND	ND	ND	ND	ND	ND	ND<10
1,3-Dichlorobenzene	0.14 - 78	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<7.8
1,4-Dichlorobenzene	0.18 - 9.9	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<9.9
Dichlorodifluoromethane	0.35 - 20	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<20
1,1-Dichloroethane	0.17 - 9.4	0.80 - 44		0.45J	ND	3.5	1.7	ND	ND	ND	ND<9.4
1,2-Dichloroethane	0.25 - 14	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<14
1,1-Dichloroethene	0.28 - 15	0.80 - 44		0.49J	ND	ND	ND	ND	ND	ND	ND<15
c-1,2-Dichloroethene	0.22 - 12	0.80 - 44		32	0.78J	4,300*	580*	41	5.1	ND	ND<12
t-1,2-Dichloroethene	0.40 - 23	0.80 - 44		1.9	ND	12	1.2	1.3	ND	ND	ND<23
1,2-Dichloropropane	0.35 - 19	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<19
1,3-Dichloropropane	0.20 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<11
2,2-Dichloropropane	0.26 - 15	4.0 - 220		ND	ND	ND	ND	ND	ND	ND	ND<15
1,1-Dichloropropene	0.26 - 15	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<15
c-1,3-Dichloropropene	0.20 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<11
t-1,3-Dichloropropene	0.48 - 27	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<27
Ethylbenzene	0.12 - 6.7	0.80 - 44		0.19J	ND	ND	ND	ND	ND	ND	ND<6.7
2-Hexanone	1.4 - 78	16 - 890		ND	ND	ND	ND	ND	ND	ND	ND<78
Isopropylbenzene	0.44 - 24	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<24
p-Isopropyltoluene	0.50 - 28	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<28
Methylene Chloride	1.1 - 60	8.0 - 440		ND	ND	ND	ND	ND	ND	ND	ND<60
4-Methyl-2-Pentanone	3.4 - 190	16 - 890		ND	ND	ND	ND	ND	ND	ND	ND<190
Naphthalene	0.65 - 36	8.0 - 440		ND	ND	ND	ND	ND	ND	ND	ND<36
n-Propylbenzene	0.40 - 22	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<22
Styrene	0.48 - 27	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<27
1,1,1,2-Tetrachloroethane	0.19 - 11	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<11
1,1,2,2-Tetrachloroethane	0.28 - 15	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<15
Tetrachloroethene	0.17 - 47	0.80 - 220		84	0.77J	ND	ND	7.6	0.97	130	15,000*
Toluene	0.41 - 23	0.80 - 44		1.2	ND	0.78J	ND	0.50J	ND	1.1	ND<23
1,2,3-Trichlorobenzene	0.73 - 41	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<41
1,2,4-Trichlorobenzene	0.25 - 14	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<14
1,1,1-Trichloroethane	0.18 - 10	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<10
1,1,2-Trichloroethane	0.28 - 16	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<16
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.28 - 16	8.0 - 440		4.9J	ND	3.9J	ND	ND	ND	ND	ND<16
Trichloroethene	0.24 - 14	1.6 - 91		1,200*	2.0	0.87J	1.1J	19	0.82J	2.3	230
Trichlorofluoromethane	0.30 - 17	8.0 - 440		ND	ND	ND	ND	ND	ND	ND	ND<17
1,2,3-Trichloropropane	0.66 - 37	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<37
1,2,4-Trimethylbenzene	0.47 - 26	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<26
1,3,5-Trimethylbenzene	0.44 - 24	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<24
Vinyl Acetate	3.8 - 210	8.0 - 440		ND	ND	ND	ND	ND	ND	ND	ND<210
Vinyl Chloride	0.40 - 22	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<22
p/m-Xylene	0.21 - 12	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<12
o-Xylene	0.44 - 25	0.80 - 44		ND	ND	ND	ND	ND	ND	ND	ND<25
Methyl-t-Butyl Ether (MTBE)	0.24 - 13	1.6 - 89		ND	ND	ND	ND	ND	ND	ND	ND<13
Dilution Factor:	●	●		0.829/45.3*	0.89	0.99/44.1*	0.825/41.9*	0.88	0.801	0.887	44.5/220*

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, ranges of MDLs shown. See laboratory report for specific MDL for each sample. Note the MDLs of all undiluted samples for the chemicals of concern are below the AF-SSLs and ESLs.
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
J = Analyte detected; However result is an estimated value between the MDL and the PQL.
B = Analyte was present in the associated method blank.
* Concentration exceeded calibration range; Dilutions for these compounds
● = Not Applicable

ALTA ENVIRONMENTAL

TABLE 5B
Soil Matrix Sample Results for VOCs - Geosyntec Investigation Samples
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	SVP-1-5-051214	SVP-1-10-051214	SVP-2-5-051214	SVP-2-10-051214	SVP-3-5-051314
	Date:	5/12/2014	5/12/2014	5/12/2014	5/12/2014	5/13/2014
	RL (µg/kg):	VOC Concentration (µg/kg)				
Acetone	37 - 57	ND	ND	ND	ND	ND
Benzene	0.75 - 1.1	ND	ND	ND	ND	ND
Bromobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
Bromochloromethane	1.5 - 2.3	ND	ND	ND	ND	ND
Bromodichloromethane	0.75 - 1.1	ND	ND	ND	ND	ND
Bromoform	3.7 - 5.7	ND	ND	ND	ND	ND
Bromomethane	15 - 23	ND	ND	ND	ND	ND
2-Butanone	15 - 23	ND	ND	ND	ND	ND
n-Butylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
sec-Butylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
tert-Butylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
Carbon Disulfide	7.5 - 11	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.75 - 1.1	ND	ND	ND	ND	ND
Chlorobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
Chloroethane	1.5 - 2.3	ND	ND	ND	ND	ND
Chloroform	0.75 - 1.1	ND	ND	ND	ND	ND
Chloromethane	15 - 23	ND	ND	ND	ND	ND
2-Chlorotoluene	0.75 - 1.1	ND	ND	ND	ND	ND
4-Chlorotoluene	0.75 - 1.1	ND	ND	ND	ND	ND
Dibromochloromethane	1.5 - 2.3	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	3.7 - 5.7	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.75 - 1.1	ND	ND	ND	ND	ND
Dibromomethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.5 - 2.3	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.75 - 1.1	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	0.75 - 1.1	ND	ND	ND	ND	ND
t-1,2-Dichloroethene	0.75 - 1.1	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.75 - 1.1	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.75 - 1.1	ND	ND	ND	ND	ND
2,2-Dichloropropane	3.7 - 5.7	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.5 - 2.3	ND	ND	ND	ND	ND
c-1,3-Dichloropropene	0.75 - 1.1	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	1.5 - 2.3	ND	ND	ND	ND	ND
Ethylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
2-Hexanone	15 - 23	ND	ND	ND	ND	ND
Isopropylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
p-Isopropyltoluene	0.75 - 1.1	ND	ND	ND	ND	ND
Methylene Chloride	7.5 - 11	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	15 - 23	ND	ND	ND	ND	ND
Naphthalene	7.5 - 11	ND	ND	ND	ND	ND
n-Propylbenzene	1.5 - 2.3	ND	ND	ND	ND	ND
Styrene	0.75 - 1.1	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.5 - 2.3	ND	ND	ND	ND	ND
Tetrachloroethene	0.75 - 1.1	ND	ND	ND	ND	ND
Toluene	0.75 - 1.1	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.5 - 2.3	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.5 - 2.3	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	7.5 - 11	ND	ND	ND	ND	ND
Trichloroethene	1.5 - 2.3	ND	ND	ND	ND	ND
Trichlorofluoromethane	7.5 - 11	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.5 - 2.3	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.5 - 2.3	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.5 - 2.3	ND	ND	ND	ND	ND
Vinyl Acetate	7.5 - 11	ND	ND	ND	ND	ND
Vinyl Chloride	0.75 - 1.1	ND	ND	ND	ND	ND
p/m-Xylene	1.5 - 2.3	ND	ND	ND	ND	ND
o-Xylene	0.75 - 1.1	ND	ND	ND	ND	ND
Methyl-t-Butyl Ether (MTBE)	1.5 - 2.3	ND	ND	ND	ND	ND
Dilution Factor:	•	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
RL = Reporting Limit
ND = Indicated constituents not detected above the RL
µg/kg = micrograms per kilogram
• = Not Applicable

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TABLE 5B
Soil Matrix Sample Results for VOCs - Geosyntec Investigation Samples
12922 Panama Street
Los Angeles, California

VOCs in Soil by EPA Method 8260B	Sample ID:	SVP-3-10-051314	SVP-4-5-051314	SVP-4-10-051314	SVP-5-5-051314	SVP-5-10-051314
	Date:	5/13/2014	5/13/2014	5/13/2014	5/13/2014	5/13/2014
	RL (µg/kg):	VOC Concentration (µg/kg)				
Acetone	37 - 57	ND	ND	ND	ND	ND
Benzene	0.75 - 1.1	ND	ND	ND	ND	ND
Bromobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
Bromochloromethane	1.5 - 2.3	ND	ND	ND	ND	ND
Bromodichloromethane	0.75 - 1.1	ND	ND	ND	ND	ND
Bromoform	3.7 - 5.7	ND	ND	ND	ND	ND
Bromomethane	15 - 23	ND	ND	ND	ND	ND
2-Butanone	15 - 23	ND	ND	ND	ND	ND
n-Butylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
sec-Butylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
tert-Butylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
Carbon Disulfide	7.5 - 11	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.75 - 1.1	ND	ND	ND	ND	ND
Chlorobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
Chloroethane	1.5 - 2.3	ND	ND	ND	ND	ND
Chloroform	0.75 - 1.1	ND	ND	ND	ND	ND
Chloromethane	15 - 23	ND	ND	ND	ND	ND
2-Chlorotoluene	0.75 - 1.1	ND	ND	ND	ND	ND
4-Chlorotoluene	0.75 - 1.1	ND	ND	ND	ND	ND
Dibromochloromethane	1.5 - 2.3	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	3.7 - 5.7	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.75 - 1.1	ND	ND	ND	ND	ND
Dibromomethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.75 - 1.1	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.5 - 2.3	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.75 - 1.1	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	0.75 - 1.1	**1.3**	**1.9**	**4.4**	**4.6**	**3.9**
t-1,2-Dichloroethene	0.75 - 1.1	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.75 - 1.1	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.75 - 1.1	ND	ND	ND	ND	ND
2,2-Dichloropropane	3.7 - 5.7	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.5 - 2.3	ND	ND	ND	ND	ND
c-1,3-Dichloropropene	0.75 - 1.1	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	1.5 - 2.3	ND	ND	ND	ND	ND
Ethylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
2-Hexanone	15 - 23	ND	ND	ND	ND	ND
Isopropylbenzene	0.75 - 1.1	ND	ND	ND	ND	ND
p-Isopropyltoluene	0.75 - 1.1	ND	ND	ND	ND	ND
Methylene Chloride	7.5 - 11	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	15 - 23	ND	ND	ND	ND	ND
Naphthalene	7.5 - 11	ND	ND	ND	ND	ND
n-Propylbenzene	1.5 - 2.3	ND	ND	ND	ND	ND
Styrene	0.75 - 1.1	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.5 - 2.3	ND	ND	ND	ND	ND
Tetrachloroethene	0.75 - 1.1	ND	ND	ND	ND	ND
Toluene	0.75 - 1.1	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.5 - 2.3	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.5 - 2.3	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.75 - 1.1	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	7.5 - 11	ND	ND	ND	ND	ND
Trichloroethene	1.5 - 2.3	ND	ND	ND	ND	ND
Trichlorofluoromethane	7.5 - 11	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.5 - 2.3	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.5 - 2.3	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.5 - 2.3	ND	ND	ND	ND	ND
Vinyl Acetate	7.5 - 11	ND	ND	ND	ND	ND
Vinyl Chloride	0.75 - 1.1	ND	ND	ND	ND	ND
p/m-Xylene	1.5 - 2.3	ND	ND	ND	ND	ND
o-Xylene	0.75 - 1.1	ND	ND	ND	ND	ND
Methyl-t-Butyl Ether (MTBE)	1.5 - 2.3	ND	ND	ND	ND	ND
Dilution Factor:	•	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
RL = Reporting Limit
ND = Indicated constituents not detected above the RL
µg/kg = micrograms per kilogram
• = Not Applicable

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TABLE 6
Soil Matrix Sample Results for 1,4-dioxane
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	EPA Method 8270C(M) 1,4-Dioxane (mg/kg)
	MDL (ug/kg):	**0.0014**
	PQL (ug/kg):	**0.0100**
	ESL:	**0.0015**
B74-1	7/18/2013	ND
B74-2.5	7/18/2013	ND
B74-5	7/18/2013	ND
B74-10	7/18/2013	ND
B75-1	7/18/2013	ND
B75-2.5	7/18/2013	ND
B75-5	7/18/2013	ND
B75-10	7/18/2013	ND
B76-1	7/18/2013	ND
B76-2.5	7/18/2013	ND
B76-5	7/18/2013	ND
B76-10	7/18/2013	ND
B77-1	7/18/2013	ND
B77-2.5	7/18/2013	ND
B77-5	7/18/2013	ND
B77-10	7/18/2013	ND
B78-1	7/18/2013	ND
B78-2.5	7/18/2013	ND
B78-5	7/18/2013	ND
B78-10	7/18/2013	ND
B79-1	7/18/2013	ND
B79-2.5	7/18/2013	ND
B79-5	7/18/2013	ND
B79-10	7/18/2013	ND
B80-1	7/18/2013	ND
B80-2.5	7/18/2013	ND
B80-5	7/18/2013	ND
B80-10	7/18/2013	ND
B81-1	7/19/2013	ND
B81-2.5	7/19/2013	ND
B81-5	7/19/2013	ND
B81-10	7/19/2013	ND
B82-1	7/18/2013	ND
B82-2.5	7/18/2013	ND
B82-5	7/18/2013	ND
B82-10	7/18/2013	ND
B83-1	7/19/2013	ND
B83-2.5	7/19/2013	ND
B83-5	7/19/2013	ND
B83-10	7/19/2013	ND
B84-1	7/19/2013	ND
B84-2.5	7/19/2013	ND
B84-5	7/19/2013	ND
B84-10	7/19/2013	ND
B85-1	7/19/2013	ND
B85-2.5	7/19/2013	ND
B85-5	7/19/2013	ND
B85-10	7/19/2013	ND
B86-1	7/18/2013	ND
B86-2.5	7/18/2013	ND
B86-5	7/18/2013	ND
B86-10	7/18/2013	ND
B87-1	7/19/2013	ND

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TABLE 6
Soil Matrix Sample Results for 1,4-dioxane
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	EPA Method 8270C(M) 1,4-Dioxane (mg/kg)
	MDL (ug/kg):	**0.0014**
	PQL (ug/kg):	**0.0100**
	ESL:	**0.0015**
B87-2.5	7/19/2013	ND
B87-5	7/19/2013	ND
B87-10	7/19/2013	ND
B88-1	7/18/2013	ND
B88-2.5	7/18/2013	ND
B88-5	7/18/2013	ND
B88-10	7/18/2013	ND
B89-1	7/19/2013	ND
B89-2.5	7/19/2013	ND
B89-5	7/19/2013	ND
B89-10	7/19/2013	ND
B90-1	7/19/2013	ND
B90-2.5	7/19/2013	ND
B90-5	7/19/2013	ND
B90-10	7/19/2013	ND
B91-2.5	7/16/2013	ND
B91-5	7/16/2013	ND
B91-10	7/16/2013	ND
B92-2.5	7/16/2013	ND
B92-5	7/16/2013	ND
B92-10	7/16/2013	ND
B93-2.5	7/16/2013	ND
B93-5	7/16/2013	ND
B93-10	7/16/2013	ND
B94-2.5	7/16/2013	ND
B94-5	7/16/2013	ND
B94-10	7/16/2013	ND
B95-2.5	7/16/2013	ND
B95-5	7/16/2013	ND
B95-10	7/16/2013	ND
B96-1	7/19/2013	ND
B96-2.5	7/19/2013	ND
B96-5	7/19/2013	ND
B96-10	7/19/2013	ND
B97-1	7/19/2013	ND
B97-2.5	7/19/2013	ND
B97-5	7/19/2013	ND
B97-10	7/19/2013	ND
B98-1	7/18/2013	ND
B98-2.5	7/18/2013	ND
B98-5	7/18/2013	ND
B98-10	7/18/2013	ND
B99-1	7/18/2013	ND
B99-2.5	7/18/2013	ND
B99-5	7/18/2013	ND
B99-10	7/18/2013	ND
B100-1	7/18/2013	ND
B100-2.5	7/18/2013	ND
B100-5	7/18/2013	ND
B100-10	7/18/2013	ND
B101-2.5	7/18/2013	ND
B101-5	7/18/2013	ND
B101-10	7/18/2013	ND

NOTES:
ND = Indicates constituents not detected above the MDL
PQL = Practical Quantitation Limit
MDL = Method Detection Limit, the MDLs of all undiluted samples (majority of samples) is 0.0014 mg/kg.
mg/kg = milligrams per kilogram
ESLs = Environmental Screening Levels, based on the CRWQCB-San Francisco Bay Region's *Screening for Environmental Concerns at Site with Contaminated Soil and Groundwater,* using Summary Table A (May 2013) - ESLs in Shallow Soils, Groundwater is Current or Potential Source of Drinking Water

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TABLE 6A
Soil Matrix Sample Results for 1,4-dioxane - ENVIRON Split Samples
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	EPA Method 8270C(M) 1,4-Dioxane (mg/kg)
	MDL (ug/kg):	**0.0014**
	PQL (ug/kg):	**0.010**
	ESL:	**0.0015**
ENV-B4B-2.5	07/18/13	ND
ENV-B4B-5	07/18/13	ND
ENV-B10B-2.5	07/18/13	ND
ENV-B10B-5	07/18/13	ND
ENV-B12B-2.5	07/18/13	**0.013**
ENV-B12B-5	07/18/13	**0.020**
ENV-B38B-2.5	07/18/13	ND
ENV-B38B-5	07/18/13	ND
ENV-B39B-2.5	07/18/13	ND
ENV-B39B-5	07/18/13	ND
ENV-B55B-2.5	07/18/13	ND
ENV-B55B-5	07/18/13	ND
ENV-GW1B-2.5	07/18/13	ND<0.014
ENV-GW1B-5	07/18/13	ND
ENV-GW3B-2.5	07/18/13	ND
ENV-GW3B-5	07/18/13	ND

NOTES:
ND = Indicates constituents not detected above the PQL
PQL = Practical Quantitation Limit
mg/L = milligrams per kilogram
ESL = Environmental Screening Levels, based on the CRWQCB-San Francisco Bay Region's Screening for Environmental Concerns at Site with Contaminated Soil and Groundwater, using Summary Table A (May 2013) - ESLs in Summary Table A (May 2013) - ESLs in Shallow Soils, Groundwater is Current or Potential Source of Drinking Water

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TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV1-5	SV1-10	SV2-4	SV2-8	SV3-5	SV3-10
		Date:	5/8/2013	5/8/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	•	•	•	•	•
Bromobenzene	0.010 - 0.020	--	ND	•	•	•	•	•
Bromodichloromethane	0.010 - 0.020	--	ND	•	•	•	•	•
Bromoform	0.010 - 0.020	--	ND	•	•	•	•	•
n-Butylbenzene	0.010 - 0.020	--	ND	•	•	•	•	•
sec-Butylbenzene	0.010 - 0.020	--	ND	•	•	•	•	•
tert-Butylbenzene	0.010 - 0.020	--	ND	•	•	•	•	•
Carbon tetrachloride	0.010 - 0.020	0.085	ND	•	•	•	•	•
Chlorobenzene	0.010 - 0.020	--	ND	•	•	•	•	•
Chloroethane	0.010 - 0.020	--	ND	•	•	•	•	•
Chloroform	0.010 - 0.020	--	ND	•	•	•	•	•
Chloromethane	0.010 - 0.020	--	ND	•	•	•	•	•
2-Chlorotoluene	0.010 - 0.020	--	ND	•	•	•	•	•
4-Chlorotoluene	0.010 - 0.020	--	ND	•	•	•	•	•
Dibromochloromethane	0.010 - 0.020	--	ND	•	•	•	•	•
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	•	•	•	•	•
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	•	•	•	•	•
Dibromomethane	0.010 - 0.020	--	ND	•	•	•	•	•
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	•	•	•	•	•
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	•	•	•	•	•
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	•	•	•	•	•
Dichlorodifluoromethane	0.010 - 0.020	--	ND	•	•	•	•	•
1,1-Dichloroethane	0.010 - 0.020	--	ND	•	•	•	•	•
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	•	•	•	•	•
1,1-Dichloroethene	0.010 - 0.020	--	ND	•	•	•	•	•
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	•	•	•	•	•
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	•	•	•	•	•
1,2-Dichloropropane	0.010 - 0.020	--	ND	•	•	•	•	•
1,3-Dichloropropane	0.010 - 0.020	--	ND	•	•	•	•	•
2,2-Dichloropropane	0.010 - 0.020	--	ND	•	•	•	•	•
1,1-Dichloropropene	0.010 - 0.020	--	ND	•	•	•	•	•
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	•	•	•	•	•
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	•	•	•	•	•
Ethylbenzene	0.010 - 0.020	14,000	ND	•	•	•	•	•
Freon 113	0.010 - 0.020	--	2.82	•	•	•	•	•
Hexachlorobutadiene	0.010 - 0.020	--	ND	•	•	•	•	•
Isopropylbenzene	0.010 - 0.020	--	ND	•	•	•	•	•
4-Isopropyltoluene	0.010 - 0.020	--	ND	•	•	•	•	•
Methylene chloride	0.010 - 0.020	--	ND	•	•	•	•	•
Naphthalene	0.010 - 0.020	0.106	ND	•	•	•	•	•
n-Propylbenzene	0.010 - 0.020	--	ND	•	•	•	•	•
Styrene	0.010 - 0.020	--	ND	•	•	•	•	•
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	•	•	•	•	•
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	•	•	•	•	•
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	ND	•	•	•	•	•
Toluene	0.010 - 0.020	378	ND	•	•	•	•	•
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	•	•	•	•	•
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	•	•	•	•	•
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	•	•	•	•	•
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	•	•	•	•	•
Trichloroethylene (TCE)	0.010 - 0.020	1.77	ND	•	•	•	•	•
Trichlorofluoromethane	0.010 - 0.020	--	ND	•	•	•	•	•
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	•	•	•	•	•
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	•	•	•	•	•
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	•	•	•	•	•
Vinyl chloride	0.010 - 0.020	0.045	ND	•	•	•	•	•
Xylenes	0.010 - 0.020	887	ND	•	•	•	•	•
MTBE	0.010 - 0.020	13.4	ND	•	•	•	•	•
Ethyl-tert-butylether	0.010 - 0.020	--	ND	•	•	•	•	•
Di-isopropylether	0.010 - 0.020	--	ND	•	•	•	•	•
tert-amylmethylether	0.010 - 0.020	--	ND	•	•	•	•	•
tert-Butylalcohol	0.050 - 0.100	--	ND	•	•	•	•	•
		Dilution Factor:	1	•	•	•	•	•

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

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TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV5-5	SV5-10	SV5-10 REP	SV8-5	SV8-10	SV9-5
		Date:	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	0.092	0.037	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	0.05	ND	ND	2.24
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	0.287	0.052	0.859	1.79	386*
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	4.01	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	6.47	8.35	7.35	690*	848*	23.6*
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	2.61	3.53	3.96	79.5*	107*	31.9*
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	0.132	0.046	0.118	3.27	2.71	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	0.468	0.588	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	9.51	11.4	12.4	7.46	8.77	27.7*
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1/20*	1/20*	1/10*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

ALTA ENVIRONMENTAL

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV9-10	SV10-5 1P	SV10-5 3P	SV10-5 10P	SV11-5	SV11-10
		Date:	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	0.047	0.053	0.134	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	0.245	0.036	0.032	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	2.25	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	281*	0.665	0.628	2.00	27.1*	14.4*
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	0.866	ND	ND	ND	67.9*	68.1
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	22.9*	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.010 - 0.020	--	ND	31.5	35.8	62.7	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	19.4*	3,040*	5,280*	6,400*	3.53*	9.98*
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	0.624	0.907	2.36	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	0.163	ND	ND	ND	0.116	0.131
Trichloroethylene (TCE)	0.010 - 0.020	1.77	25.4*	9.25	10.8	29.0	5.84	6.68
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1/20*	1/200*	1/200*	1/200*	1/5*	1/50*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

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TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV13-5	SV13-10	SV14-5	SV14-10	SV15-5	SV15-5 DUP
		Date:	5/6/2013	5/6/2013	5/8/2013	5/8/2013	5/6/2013	5/6/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	0.057	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	0.041	0.176	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	1.14	1.54	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	358*	368*	ND	ND	1.97	1.79
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	9.7	11.2	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	ND	1.21	6.37	2.64	1.97	1.84
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	0.500*	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	0.858	3.42	1.55	1.49	1.18	1.31
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	1.57	2.21	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1/20*	1/20*	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

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TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV15-10	SV16-5'	SV16-5' DUP	SV16-10'	SV17-5	SV17-10
		Date:	5/6/2013	5/8/2013	5/8/2013	5/8/2013	5/6/2013	5/6/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	**0.442**	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	**1.88**	**0.959**	**1.16**	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	**152***	**157***	**179***	ND	**0.025**
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	**4.37**	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	**1.88**	**2.02**	**1.88**	ND	**0.606**
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	**0.737**	**5.86**	**6.11**	**4.97**	ND	**0.356**
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	**0.11**	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	**0.536**	**19.4**	**20.6**	**21.6**	ND	ND
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1/20*	1/20*	1/20*	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV18-5	SV18-10	SV19-5	SV19-10	SV20-5	SV20-10
		Date:	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	**0.05**	**0.046**	**0.03**	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	ND	ND	**4.99**	**5.26**
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	**0.02**	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	**1.42**	**5.23**	**5.66**	ND	ND
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	**0.049**	**0.104**	**3.58**	**2.01**	**1.56**	**2.08**
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	**0.065**	**0.055**	ND	**0.042**
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	ND	**0.072**	**7.75**	**5.66**	**1.1**	**1.26**
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

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TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV21-5	SV21-10	SV22-5	SV22-10	SV23-5'	SV23-10'
		Date:	5/10/2013	5/10/2013	5/10/2013	5/10/2013	5/8/2013	5/8/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	0.03	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	0.61	ND	ND	0.519	0.41	0.294
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	0.153	0.853	1.25	ND	86.2*	69.9*
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	ND	ND	ND	ND	0.254	0.154
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1	1/5*	1/5*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV24-5	SV24-10	SV25-5	SV25-10	SV26-5	SV26-10
		Date:	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	•	•	ND	ND	ND	•
Bromobenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Bromodichloromethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
Bromoform	0.010 - 0.020	--	•	•	ND	ND	ND	•
n-Butylbenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
sec-Butylbenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
tert-Butylbenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Carbon tetrachloride	0.010 - 0.020	0.085	•	•	ND	ND	ND	•
Chlorobenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Chloroethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
Chloroform	0.010 - 0.020	--	•	•	0.32	0.03	ND	•
Chloromethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
2-Chlorotoluene	0.010 - 0.020	--	•	•	ND	ND	ND	•
4-Chlorotoluene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Dibromochloromethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	•	•	ND	ND	ND	•
Dibromomethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,2- Dichlorobenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,3-Dichlorobenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,4-Dichlorobenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Dichlorodifluoromethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,1-Dichloroethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,2-Dichloroethane	0.010 - 0.020	0.167	•	•	ND	ND	ND	•
1,1-Dichloroethene	0.010 - 0.020	--	•	•	0.454	ND	ND	•
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	•	•	30.9	38.6*	ND	•
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	•	•	51.3	48.2*	ND	•
1,2-Dichloropropane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,3-Dichloropropane	0.010 - 0.020	--	•	•	ND	ND	ND	•
2,2-Dichloropropane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,1-Dichloropropene	0.010 - 0.020	--	•	•	ND	ND	ND	•
cis-1,3-Dichloropropene	0.010 - 0.020	--	•	•	ND	ND	ND	•
trans-1,3-Dichloropropene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Ethylbenzene	0.010 - 0.020	14,000	•	•	ND	ND	ND	•
Freon 113	0.010 - 0.020	--	•	•	0.843	36.8*	ND	•
Hexachlorobutadiene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Isopropylbenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
4-Isopropyltoluene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Methylene chloride	0.010 - 0.020	--	•	•	ND	ND	ND	•
Naphthalene	0.010 - 0.020	0.106	•	•	ND	ND	ND	•
n-Propylbenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Styrene	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	•	•	0.562	4.69	251*	•
Toluene	0.010 - 0.020	378	•	•	ND	ND	ND	•
1,2,3-Trichlorobenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,2,4-Trichlorobenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,1,1-Trichloroethane	0.010 - 0.020	2,790	•	•	ND	ND	ND	•
1,1,2-Trichloroethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
Trichloroethylene (TCE)	0.010 - 0.020	1.77	•	•	1.73	11.2	1.15	•
Trichlorofluoromethane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,2,3-Trichloropropane	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,2,4-Trimethylbenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
1,3,5-Trimethylbenzene	0.010 - 0.020	--	•	•	ND	ND	ND	•
Vinyl chloride	0.010 - 0.020	0.045	•	•	1.1	2.12	ND	•
Xylenes	0.010 - 0.020	887	•	•	ND	ND	ND	•
MTBE	0.010 - 0.020	13.4	•	•	ND	ND	ND	•
Ethyl-tert-butylether	0.010 - 0.020	--	•	•	ND	ND	ND	•
Di-isopropylether	0.010 - 0.020	--	•	•	ND	ND	ND	•
tert-amylmethylether	0.010 - 0.020	--	•	•	ND	ND	ND	•
tert-Butylalcohol	0.050 - 0.100	--	•	•	ND	ND	ND	•
		Dilution Factor:	•	•	1	1	1/20*	•

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

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TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV27-4	SV27-8	SV28-5	SV28-10	SV29-5	SV29-10
		Date:	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/10/2013	5/10/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	•	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	•	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	•	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	•	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	•	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	•	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	•	ND	ND	**53.6***	**24.1***
Hexachlorobutadiene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	•	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	**0.205**	•	**4.12**	**2.58**	**104***	**115***
Toluene	0.010 - 0.020	378	ND	•	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	•	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	**0.018**	•	**0.19**	**0.139**	**0.366**	**0.237**
Trichlorofluoromethane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	•	**0.592**	ND	**0.604**	ND
Xylenes	0.010 - 0.020	887	ND	•	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	•	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	•	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	•	ND	ND	ND	ND
		Dilution Factor:	1	•	1	1	1/4*	1/4*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV30-5'	SV30-10'	SV31-5	SV31-10	SV31-10 DUP	SV32-5
		Date:	5/8/2013	5/8/2013	5/10/2013	5/10/2013	5/10/2013	5/8/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	**6.66**	**8.67**	ND	ND	ND	ND
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	**10.7**	**11.3**	ND	**0.248**	**0.852**	ND
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	**0.144**	**0.156**	ND	ND	ND	ND
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV32-10	SV33-5	SV33-10	SV34-5	SV34-10	SV35-5
		Date:	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	2.79	0.913	ND	ND	ND
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	ND	ND	ND	ND	ND	ND
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV35-10	SV36-5	SV36-10	SV37-5	SV37-10	SV38-4
		Date:	5/8/2013	5/8/2013	5/8/2013	6/7/2013	6/7/2013	6/7/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	ND	ND	ND	**2.15**	**8.91**	**2.33**
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV38-8	SV39-4	SV39-8	SV40-4	SV40-8	SV43-4
		Date:	6/7/2013	6/7/2013	6/7/2013	6/10/2013	6/10/2013	6/7/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	**17.1**	**15.6**	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	**0.86**	**0.319**	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	**4.47**	**3.94**	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	**0.267**	**2.73**	**69.6***	**46.7***	**74.0***
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	**6.65**	**284***	ND	ND	ND
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	**7.49**	**0.083**	**10.6***	ND	**0.293**	**0.206**
Toluene	0.010 - 0.020	378	ND	ND	ND	**0.488**	**1.01**	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	ND	**0.5**	**13.1**	**5.46**	**8.66**	**0.074**
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	**0.041**	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	**6.78**	**5.73**	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1/50*	1/20*	1/20*	1/20*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV43-8	SV44-10	SV45-5	SV45-10	SV46-4	SV46-4 DUP
		Date:	6/7/2013	6/7/2013	6/10/2013	6/10/2013	6/10/2013	6/10/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	0.365	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	1.06	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	329*	88.0*	105*	212*	0.159	0.494
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	ND	ND	ND	5.73	5.91
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	2.46	5.97	0.055	0.714	24.7	24
Toluene	0.010 - 0.020	378	ND	ND	0.545	0.553	0.384	0.378
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND	0.168	0.18
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	10.3	8.95	10.7	19.1	10.6	11.1
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	2.34	ND	23	21.5	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1/50*	1/20*	1/20*	1/50*	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

ALTA ENVIRONMENTAL

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV46-8	SV47-5'	SV47-10'	SV48-4'	SV48-8'	SV49-4'
		Date:	6/10/2013	6/3/2013	6/3/2013	6/3/2013	6/3/2013	6/3/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	0.034	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	1.04*	0.101	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	6.62*	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	0.233	ND	ND	0.063	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	0.785	24.9*	22.9*	57.8*	65.3*	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	1.79	1.79	36.6*	36.5*	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	10.8	0.033	0.268	9.96	14	8.43
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	6.61	11.0*	4.59*	247*	212*	34.7
Toluene	0.010 - 0.020	378	0.168	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	0.294	ND	ND	0.043	ND	0.67
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	10.1	104*	68.7*	127	98.3*	2.74
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1/10*	1/10*	1/20*	1/20*	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV49-8'	SV50-4	SV50-8	SV51-4	SV51-4 DUP	SV51-8
		Date:	6/3/2013	6/7/2013	6/7/2013	6/7/2013	6/7/2013	6/7/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	**0.293**	ND	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	**3.21**	**16.6**	**17.5**	**16.4**	**80.7**
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	**35.3**	ND	**7.57**	**1.07**	**1.15**	**11.2**
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	**0.645**	ND	**0.209**	**0.99**	**0.949**	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	**2.69**	ND	**0.263**	**0.112**	**0.125**	**3.06**
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1	1	1/20*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

ALTA ENVIRONMENTAL

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV52-4	SV52-8	SV53-4'	SV53-8'	SV54-5'	SV54-10'
		Date:	6/7/2013	6/7/2013	6/10/2013	1/0/1900	6/3/2013	6/3/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	•	•	ND	•	ND	ND
Bromobenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Bromodichloromethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
Bromoform	0.010 - 0.020	--	•	•	ND	•	ND	ND
n-Butylbenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	•	•	ND	•	ND	ND
Chlorobenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Chloroethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
Chloroform	0.010 - 0.020	--	•	•	ND	•	ND	ND
Chloromethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	•	•	ND	•	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Dibromochloromethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	•	•	ND	•	ND	ND
Dibromomethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	•	•	ND	•	**1.49***	**2.13***
1,3-Dichlorobenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	•	•	ND	•	ND	**7.88**
1,2-Dichloroethane	0.010 - 0.020	0.167	•	•	ND	•	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	•	•	ND	•	**0.533**	**0.641**
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	•	•	**11.3**	•	**102***	**60.6***
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	•	•	ND	•	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	•	•	ND	•	**18.2***	**17.7***
1,3-Dichloropropane	0.010 - 0.020	--	•	•	ND	•	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	•	•	ND	•	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	•	•	ND	•	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	•	•	ND	•	ND	ND
Freon 113	0.010 - 0.020	--	•	•	**0.436**	•	**95.6***	**99.3***
Hexachlorobutadiene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Isopropylbenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Methylene chloride	0.010 - 0.020	--	•	•	ND	•	ND	ND
Naphthalene	0.010 - 0.020	0.106	•	•	ND	•	ND	ND
n-Propylbenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Styrene	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	•	•	**0.548**	•	**10.3***	**8.00***
Toluene	0.010 - 0.020	378	•	•	**0.486**	•	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	•	•	ND	•	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	•	•	**10.8**	•	**19.1***	**12.2***
Trichlorofluoromethane	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	•	•	ND	•	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	•	•	ND	•	**0.368**	ND
Xylenes	0.010 - 0.020	887	•	•	ND	•	ND	ND
MTBE	0.010 - 0.020	13.4	•	•	ND	•	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	•	•	ND	•	ND	ND
Di-isopropylether	0.010 - 0.020	--	•	•	ND	•	ND	ND
tert-amylmethylether	0.010 - 0.020	--	•	•	ND	•	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	•	•	ND	•	ND	ND
		Dilution Factor:	•	•	1	•	1/10*	1/10*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

ALTA ENVIRONMENTAL

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV55-4	SV55-8	SV56-5'	SV56-10'	SV56-10' DUP	SV57-4'
		Date:	6/10/2013	6/10/2013	6/3/2013	6/3/2013	6/3/2013	6/10/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	2.2	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	1.9	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	120*	269*	ND	ND	ND	0.034
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	0.793	0.139	3.62	4.1	3.99	ND
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	ND	0.098	0.378	0.431	0.428	4.52
Toluene	0.010 - 0.020	378	0.645	0.09	ND	ND	ND	0.032
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	ND	19.3	2.29	2.34	2.26	0.046
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	5.49	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1/100*	1/100*	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV57-9.5'	SB58-5'	SV58-10'	SV61-5'	SV61-10'	SV62-5'
		Date:	6/10/2013	6/10/2013	6/10/2013	6/3/2013	6/3/2013	6/3/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	2.97	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	0.272	0.466	ND	ND	0.374
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	1.52	2.12	2.02	3.89	9.78	17.4
Toluene	0.010 - 0.020	378	0.098	0.096	0.117	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	0.046	ND	ND	ND	ND	6.43
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

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TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV62-10'	SV63-5'	SV63-5' DUP	SV63-10'	SV67-5'	SV67-10'
		Date:	6/3/2013	6/11/2013	6/11/2013	6/11/2013	7/1/2013	7/1/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	•	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	•	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	•	0.044	0.044
Chloromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	•	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	•	0.222	0.425
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	ND	•	3.98	7.88
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	•	8.57	11.9
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	•	ND	ND
Freon 113	0.010 - 0.020	--	0.326	ND	ND	•	ND	0.052
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	•	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	13.8	ND	ND	•	4.18	5.04
Toluene	0.010 - 0.020	378	ND	ND	ND	•	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	•	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	3.83	ND	ND	•	10.1	14.2
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	•	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	•	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	•	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	•	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	•	ND	ND
		Dilution Factor:	1	1	1	•	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV67-10' DUP	SV68-5'	SV69-5'	SV69-10'	SV75-5'	SV75-10'
		Date:	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/19/2013	7/19/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND	•	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND	•	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND	•	ND
1,1-Dichloroethene	0.010 - 0.020	--	**0.294**	ND	ND	ND	•	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	**6.88**	ND	ND	ND	•	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	**9.99**	ND	ND	ND	•	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND	•	ND
Freon 113	0.010 - 0.020	--	**0.024**	**0.098**	ND	ND	•	**0.335**
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Methylene chloride	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND	•	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	**4.29**	**7.66**	**22.3**	**43.6***	•	**4.17**
Toluene	0.010 - 0.020	378	ND	ND	ND	ND	•	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	**0.035**	ND	ND	ND	•	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	**12.6**	**0.145**	**0.492**	**1.14**	•	ND
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND	•	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND	•	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND	•	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND	•	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND	•	ND
		Dilution Factor:	1	1	1	1/5*	•	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

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TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV77-5'	SV77-10'	SV79-4'	SV79-8'	SV82-4'	SV82-8'
		Date:	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/22/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	•	•	•	•
Bromobenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
Bromodichloromethane	0.010 - 0.020	--	ND	ND	•	•	•	•
Bromoform	0.010 - 0.020	--	ND	ND	•	•	•	•
n-Butylbenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	•	•	•	•
Chlorobenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
Chloroethane	0.010 - 0.020	--	ND	ND	•	•	•	•
Chloroform	0.010 - 0.020	--	0.029	0.026	•	•	•	•
Chloromethane	0.010 - 0.020	--	ND	ND	•	•	•	•
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	•	•	•	•
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	•	•	•	•
Dibromochloromethane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	•	•	•	•
Dibromomethane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	•	•	•	•
1,1-Dichloroethene	0.010 - 0.020	--	0.965*	1.36*	•	•	•	•
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	3.59	16.8	•	•	•	•
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	•	•	•	•
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	•	•	•	•
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	•	•	•	•
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	•	•	•	•
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	•	•	•	•
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	•	•	•	•
Freon 113	0.010 - 0.020	--	0.562	1.35	•	•	•	•
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	•	•	•	•
Isopropylbenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	•	•	•	•
Methylene chloride	0.010 - 0.020	--	ND	ND	•	•	•	•
Naphthalene	0.010 - 0.020	0.106	ND	ND	•	•	•	•
n-Propylbenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
Styrene	0.010 - 0.020	--	ND	ND	•	•	•	•
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	•	•	•	•
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	52.7*	63.2*	•	•	•	•
Toluene	0.010 - 0.020	378	ND	ND	•	•	•	•
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
1,1,1-Trichloroethane	0.010 - 0.020	2,790	0.103	0.178	•	•	•	•
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	•	•	•	•
Trichloroethylene (TCE)	0.010 - 0.020	1.77	45.1*	78.6*	•	•	•	•
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	•	•	•	•
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	•	•	•	•
Vinyl chloride	0.010 - 0.020	0.045	0.157	0.985*	•	•	•	•
Xylenes	0.010 - 0.020	887	ND	ND	•	•	•	•
MTBE	0.010 - 0.020	13.4	ND	ND	•	•	•	•
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	•	•	•	•
Di-isopropylether	0.010 - 0.020	--	ND	ND	•	•	•	•
tert-amylmethylether	0.010 - 0.020	--	ND	ND	•	•	•	•
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	•	•	•	•
		Dilution Factor:	1/10*	1/10*	•	•	•	•

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

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TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV88-5'	SV88-10'	SV88-10'	SV89-4'	SV89-8'	SV91-5'
		Date:	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/19/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	•	ND	ND	0.05	0.033	ND
Bromobenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	•	ND	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	•	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	•	ND	ND	3.34*	2.43	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	•	21.5	19	166*	115	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	•	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	•	ND	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	•	99	93.9	0.163	1.72	8.44
Hexachlorobutadiene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	•	ND	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	•	25.7	23.9	2.56*	5.90*	78.5*
Toluene	0.010 - 0.020	378	•	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	•	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	•	6.05	5.53	23.0*	24.6	ND
Trichlorofluoromethane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	•	0.958	0.842	11.7*	9.95	ND
Xylenes	0.010 - 0.020	887	•	ND	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	•	ND	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	•	ND	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	•	ND	ND	ND	ND	ND
		Dilution Factor:	•	1	1	1/10*	1/10*	1/20*

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV91-10'	SV92-5'	SV92-10'	SV93-5'	SV93-10'	SV94-5'
		Date:	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/19/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	•	ND	•	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Bromoform	0.010 - 0.020	--	•	ND	•	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	•	ND	•	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Chloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Chloroform	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Chloromethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	•	0.054	•	0.066	0.06	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	•	ND	•	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	•	ND	•	ND	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	•	ND	•	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	•	ND	•	ND	ND	ND
Freon 113	0.010 - 0.020	--	•	1.75	•	9.81	12.4	0.063
Hexachlorobutadiene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	•	ND	•	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Styrene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	•	1.33	•	134*	93.9*	14.6
Toluene	0.010 - 0.020	378	•	ND	•	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	•	ND	•	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	•	ND	•	0.104	0.226	ND
Trichlorofluoromethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	•	ND	•	ND	ND	ND
Xylenes	0.010 - 0.020	887	•	ND	•	ND	ND	ND
MTBE	0.010 - 0.020	13.4	•	ND	•	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	•	ND	•	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	•	ND	•	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	•	ND	•	ND	ND	ND
		Dilution Factor:	•	1	•	1/20*	1/10*	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV94-10'	SV95-5'	SV95-5' DUP	SV95-10'	SV96-4'	SV96-8'
		Date:	7/19/2013	7/19/2013	7/19/2013	7/19/2013	7/22/2013	7/22/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	ND	ND	ND	•	ND	•
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Bromoform	0.010 - 0.020	--	ND	ND	ND	•	ND	•
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	•	ND	•
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Chloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Chloroform	0.010 - 0.020	--	0.748	ND	ND	•	ND	•
Chloromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	•	ND	•
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	ND	•	ND	•
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	•	ND	•
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	•	ND	•
Freon 113	0.010 - 0.020	--	ND	0.761	0.788	•	ND	•
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Methylene chloride	0.010 - 0.020	--	0.102	ND	ND	•	ND	•
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	•	ND	•
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Styrene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	4.33	7.27	7.84	•	0.532	•
Toluene	0.010 - 0.020	378	0.466	ND	ND	•	ND	•
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	•	ND	•
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Trichloroethylene (TCE)	0.010 - 0.020	1.77	ND	1.05	1.08	•	ND	•
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	•	ND	•
Xylenes	0.010 - 0.020	887	0.584	ND	ND	•	ND	•
MTBE	0.010 - 0.020	13.4	ND	ND	ND	•	ND	•
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	•	ND	•
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	•	ND	•
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	•	ND	•
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	•	ND	•
		Dilution Factor:	1	1	1	•	1	•

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

ALTA ENVIRONMENTAL

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV97-5'	SV97-10'	SV98-4'	SV98-8'	SV99-5'	SV99-10'
		Date:	7/22/2013	7/22/2013	7/22/2013	7/22/2013	7/19/2013	7/19/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)					
Benzene	0.010 - 0.020	0.122	•	ND	•	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Bromoform	0.010 - 0.020	--	•	ND	•	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	•	ND	•	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Chloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Chloroform	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Chloromethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	•	ND	•	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	•	**0.970***	•	**2.12***	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	•	**12.7**	•	**96.4***	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	•	ND	•	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	•	ND	•	ND	ND	ND
Freon 113	0.010 - 0.020	--	•	**1.2**	•	**0.041**	**0.223**	**0.565**
Hexachlorobutadiene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	•	ND	•	ND	ND	**0.045**
Naphthalene	0.010 - 0.020	0.106	•	ND	•	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Styrene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	•	**159***	•	**14.8***	**0.814**	**3.73**
Toluene	0.010 - 0.020	378	•	ND	•	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	•	ND	•	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	•	**15.8***	•	**20.5***	ND	**2.62**
Trichlorofluoromethane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	•	**0.149**	•	**0.856**	ND	ND
Xylenes	0.010 - 0.020	887	•	ND	•	ND	ND	ND
MTBE	0.010 - 0.020	13.4	•	ND	•	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	•	ND	•	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	•	ND	•	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	•	ND	•	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	•	ND	•	ND	ND	ND
		Dilution Factor:	•	1/10*	•	1/10*	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

TABLE 7
Soil Gas Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method 8260B		Sample ID:	SV100-4'	SV100-8'	SV101-4'	SV101-8'
		Date:	7/19/2013	7/19/2013	7/19/2013	7/19/2013
	PQL (µg/L):	CHHSL (µg/L)	VOC Concentrations (µg/L)			
Benzene	0.010 - 0.020	0.122	ND	ND	ND	ND
Bromobenzene	0.010 - 0.020	--	ND	ND	ND	ND
Bromodichloromethane	0.010 - 0.020	--	ND	ND	ND	ND
Bromoform	0.010 - 0.020	--	ND	ND	ND	ND
n-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND
sec-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND
tert-Butylbenzene	0.010 - 0.020	--	ND	ND	ND	ND
Carbon tetrachloride	0.010 - 0.020	0.085	ND	ND	ND	ND
Chlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND
Chloroethane	0.010 - 0.020	--	ND	ND	ND	ND
Chloroform	0.010 - 0.020	--	ND	ND	ND	ND
Chloromethane	0.010 - 0.020	--	ND	ND	ND	ND
2-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND
4-Chlorotoluene	0.010 - 0.020	--	ND	ND	ND	ND
Dibromochloromethane	0.010 - 0.020	--	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.010 - 0.020	--	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	0.010 - 0.020	--	ND	ND	ND	ND
Dibromomethane	0.010 - 0.020	--	ND	ND	ND	ND
1,2- Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND
1,3-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND
1,4-Dichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND
Dichlorodifluoromethane	0.010 - 0.020	--	ND	ND	ND	ND
1,1-Dichloroethane	0.010 - 0.020	--	ND	ND	ND	ND
1,2-Dichloroethane	0.010 - 0.020	0.167	ND	ND	ND	ND
1,1-Dichloroethene	0.010 - 0.020	--	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.010 - 0.020	44.4	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.010 - 0.020	88.7	ND	ND	ND	ND
1,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND
1,3-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND
2,2-Dichloropropane	0.010 - 0.020	--	ND	ND	ND	ND
1,1-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.010 - 0.020	--	ND	ND	ND	ND
Ethylbenzene	0.010 - 0.020	14,000	ND	ND	ND	ND
Freon 113	0.010 - 0.020	--	ND	ND	0.066	0.1
Hexachlorobutadiene	0.010 - 0.020	--	ND	ND	ND	ND
Isopropylbenzene	0.010 - 0.020	--	ND	ND	ND	ND
4-Isopropyltoluene	0.010 - 0.020	--	ND	ND	ND	ND
Methylene chloride	0.010 - 0.020	--	0.047	ND	ND	ND
Naphthalene	0.010 - 0.020	0.106	ND	ND	ND	ND
n-Propylbenzene	0.010 - 0.020	--	ND	ND	ND	ND
Styrene	0.010 - 0.020	--	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.010 - 0.020	--	ND	ND	ND	ND
Tetrachloroethylene (PCE)	0.010 - 0.020	0.603	2.92	2.89	15.7	9.39
Toluene	0.010 - 0.020	378	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.010 - 0.020	--	ND	ND	ND	ND
1,1,1-Trichloroethane	0.010 - 0.020	2,790	ND	ND	ND	ND
1,1,2-Trichloroethane	0.010 - 0.020	--	ND	ND	ND	ND
Trichloroethylene (TCE)	0.010 - 0.020	1.77	ND	ND	0.076	0.035
Trichlorofluoromethane	0.010 - 0.020	--	ND	ND	ND	ND
1,2,3-Trichloropropane	0.010 - 0.020	--	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.010 - 0.020	--	ND	ND	ND	ND
Vinyl chloride	0.010 - 0.020	0.045	ND	ND	ND	ND
Xylenes	0.010 - 0.020	887	ND	ND	ND	ND
MTBE	0.010 - 0.020	13.4	ND	ND	ND	ND
Ethyl-tert-butylether	0.010 - 0.020	--	ND	ND	ND	ND
Di-isopropylether	0.010 - 0.020	--	ND	ND	ND	ND
tert-amylmethylether	0.010 - 0.020	--	ND	ND	ND	ND
tert-Butylalcohol	0.050 - 0.100	--	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1

NOTES:
VOC - Volatile Organic Compound
PQLs - Practical Quantitation Limits
ND - Not detected at or above the PQL
• - No Sample Collected Due to Lack of Flow
* - Dilutions for these compounds
P - Purge Volume
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)

ALTA ENVIRONMENTAL

TABLE 7A
Soil Gas Sample Results for VOCs - Geosyntec Investigation Samples
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method TO-15		Sample ID:	SVP-1-5-051514	SVP-1-8.5-051514	SVP-2-5-051514	SVP-2-8.5-051514	SVP-3-5-051514
		Date:	5/15/2014	5/15/2014	5/15/2014	5/15/2014	5/15/2014
	RL (µg/l):	CHHSL (µg/L)	VOC Concentrations (µg/l)				
Acetone	**0.0048**	--	**0.100**	**0.110**	**0.045**	**0.027**	ND
Benzene	**0.0016**	**0.122**	**0.018**	**0.035**	**0.046**	**0.0098**	**0.05**
Benzyl Chloride	**0.0078**	--	ND<0.039	ND	ND	ND	ND
Bromodichloromethane	**0.0034**	--	ND<0.017	ND	**0.0067**	ND	ND
Bromoform	**0.0052**	--	ND<0.026	ND	ND	ND	ND
Bromomethane	**0.0019**	--	ND<0.0097	ND	ND	ND	ND
2-Butanone	**0.0044**	--	ND<0.022	**0.024**	**0.0075**	**0.005**	**0.015**
Carbon Disulfide	**0.0062**	--	**0.053**	**0.057**	**0.035**	**0.023**	**0.095**
Carbon Tetrachloride	**0.0031**	**0.085**	ND<0.016	ND	ND	ND	ND
Chlorobenzene	**0.0023**	--	ND<0.012	**0.0060**	**0.0062**	ND	**0.0059**
Chloroethane	**0.0013**	--	ND<0.0066	ND	ND	ND	**0.0020**
Chloroform	**0.0024**	--	ND<0.012	ND	**0.013**	ND	**0.0067**
Chloromethane	**0.0010**	--	ND<0.0052	**0.0011**	ND	**0.0011**	ND
Dibromochloromethane	**0.0043**	--	ND<0.021	ND	ND	ND	ND
1,2-Dibromoethane	**0.0038**	--	ND<0.019	ND	ND	ND	ND
1,2-Dichlorobenzene	**0.0030**	--	ND<0.015	ND	ND	ND	ND
1,3-Dichlorobenzene	**0.0030**	--	ND<0.015	ND	ND	ND	ND
1,4-Dichlorobenzene	**0.0030**	--	ND<0.015	ND	ND	ND	ND
Dichlorodifluoromethane	**0.0025**	--	**0.210**	**0.097**	**0.056**	**0.039**	**0.130**
1,1-Dichloroethane	**0.0020**	--	**0.025**	**0.022**	**0.0077**	**0.0031**	**0.120**
1,2-Dichloroethane	**0.0020**	**0.167**	ND<0.010	ND	ND	ND	ND
1,1-Dichloroethene	**0.0020**	--	**0.011**	**0.011**	**0.0022**	ND	**0.023**
c-1,2-Dichloroethene	**0.0020**	**44.4**	**1.70**	**1.60***	**0.120**	**0.049**	**2.20***
t-1,2-Dichloroethene	**0.0020**	**88.7**	**0.073**	**0.065**	**0.002**	ND	**0.052**
1,2-Dichloropropane	**0.0023**	--	ND<0.011	ND	ND	ND	ND
c-1,3-Dichloropropene	**0.0023**	--	ND<0.023	ND	ND	ND	ND
t-1,3-Dichloropropene	**0.0045**	--	ND<0.070	ND	ND	ND	ND
Dichlorotetrafluoroethane	**0.0140**	--	ND<0.011	ND	ND	ND	ND
Ethylbenzene	**0.0022**	**14,000**	**0.024**	**0.032**	**0.034**	**0.040**	**0.014**
4-Ethyltoluene	**0.0025**	--	**0.053**	**0.032**	**0.0038**	**0.0029**	**0.0043**
Hexachloro-1,3-Butadiene	**0.0160**	--	ND<0.080	ND	ND	ND	ND
2-Hexanone	**0.0061**	--	ND<0.031	ND	ND	ND	ND
Methyl-t-Butyl Ether (MTBE)	**0.0072**	**13.4**	**0.091**	**0.078**	**0.016**	**0.008**	ND
Methylene Chloride	**0.0170**	--	ND<0.087	ND	ND	ND	ND
4-Methyl-2-Pentanone	**0.0061**	--	ND<0.031	ND	ND	ND	ND
Styrene	**0.0064**	--	ND<0.032	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	**0.0069**	--	ND<0.034	ND	ND	ND	ND
Tetrachloroethene	**0.0034**	**0.603**	ND<0.017	**0.0078**	**0.0088**	**0.0069**	**0.0082**
Toluene	**0.0019**	**378**	**0.025**	**0.048**	**0.097**	**0.063**	**0.077**
1,2,4-Trichlorobenzene	**0.0150**	--	ND<0.074	ND	ND	ND	ND
1,1,1-Trichloroethane	**0.0027**	**2,790**	ND<0.014	ND	ND	ND	ND
1,1,2-Trichloroethane	**0.0027**	--	ND<0.014	ND	ND	ND	ND
Trichloroethene	**0.0027**	**1.77**	**0.024**	**0.032**	**0.055**	**0.075**	**0.033**
Trichlorofluoromethane	**0.0056**	--	ND<0.028	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.0110**	--	ND<0.057	**0.033**	**0.26**	**0.22**	**0.051**
1,2,4-Trimethylbenzene	**0.0074**	--	**0.19**	**0.079**	**0.013**	**0.0085**	**0.015**
1,3,5-Trimethylbenzene	**0.0025**	--	**0.06**	**0.031**	**0.0041**	**0.0028**	**0.0045**
Vinyl Acetate	**0.0070**	--	ND<0.035	ND	ND	ND	ND
Vinyl Chloride	**0.0013**	**0.045**	**0.100**	**0.86**	**0.0057**	**0.0023**	**0.18**
o-Xylene	**0.0022**	**880**	**0.043**	**0.04**	**0.053**	**0.26**	**0.02**
p/m-Xylene	**0.0087**	**890**	**0.12**	**0.13**	**0.14**	**0.60**	**0.053**
		Dilution Factor:	**5**	**1/20***	**1**	**1**	**1/12.5***

NOTES:
All samples analyzed by EPA Method TO-15
VOC - Volatile Organic Compound
RLs - Reporting Limits
ND - Not detected at or above the RL
ND<X - Not detected at or above the RL of "x"
*/** - Compound specific dilution
-- - Not Applicable/Not Established
µg/l - micrograms per liter
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineered Fill)
- Indicates VOC concentration exceeds the compound-specific CHHSL

ALTA ENVIRONMENTAL

TABLE 7A
Soil Gas Sample Results for VOCs - Geosyntec Investigation Samples
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method TO-15		Sample ID:	SVP-3-10-051514	SVP-4-5-051514	DUP-1-051514 (duplicate of SVP-4-5-051514)	SVP-4-10-051514	SVP-5-5-051514
		Date:	5/15/2014	5/15/2014	5/15/2014	5/15/2014	5/15/2014
	RL (µg/l):	CHHSL (µg/L)	VOC Concentrations (µg/l)				
Acetone	0.0048	--	0.036	0.039	0.052	ND<0.048	ND<0.190
Benzene	0.0016	0.122	0.069	0.0045	0.051	0.080	ND<0.064
Benzyl Chloride	0.0078	--	ND	ND	ND<0.078	ND<0.078	ND<0.310
Bromodichloromethane	0.0034	--	ND	ND	ND<0.034	ND<0.034	ND<0.130
Bromoform	0.0052	--	ND	ND	ND<0.052	ND<0.052	ND<0.210
Bromomethane	0.0019	--	ND	ND	ND<0.019	ND<0.019	ND<0.078
2-Butanone	0.0044	--	0.0059	ND	ND<0.044	ND<0.044	ND<0.180
Carbon Disulfide	0.0062	--	0.200	ND	ND<0.062	ND<0.062	ND<0.250
Carbon Tetrachloride	0.0031	0.085	0.0036	ND	ND<0.031	ND<0.031	ND<0.130
Chlorobenzene	0.0023	--	0.0032	ND	ND<0.023	ND<0.023	ND<0.092
Chloroethane	0.0013	--	ND	ND	ND<0.013	ND<0.013	ND<0.053
Chloroform	0.0024	--	0.0086	ND	ND<0.024	ND<0.024	ND<0.098
Chloromethane	0.0010	--	0.0031	0.0016	ND<0.010	ND<0.010	ND<0.041
Dibromochloromethane	0.0043	--	ND	ND	ND<0.043	ND<0.043	ND<0.170
1,2-Dibromoethane	0.0038	--	ND	ND	ND<0.038	ND<0.038	ND<0.150
1,2-Dichlorobenzene	0.0030	--	ND	ND	ND<0.030	ND<0.030	ND<0.120
1,3-Dichlorobenzene	0.0030	--	ND	ND	ND<0.030	ND<0.030	ND<0.120
1,4-Dichlorobenzene	0.0030	--	ND	ND	ND<0.030	ND<0.030	ND<0.120
Dichlorodifluoromethane	0.0025	--	0.110	0.0034	ND<0.025	0.540	ND<0.099
1,1-Dichloroethane	0.0020	--	0.069	0.022	0.44	0.600	0.580
1,2-Dichloroethane	0.0020	0.167	ND	ND	ND<0.020	ND<0.020	ND<0.081
1,1-Dichloroethene	0.0020	--	0.014	0.0045	0.12	0.095	0.081
c-1,2-Dichloroethene	0.0020	44.4	1.30*	0.34	7.80*	6.10*	6.90
t-1,2-Dichloroethene	0.0020	88.7	0.033	0.0054	0.099	0.130	0.120
1,2-Dichloropropane	0.0023	--	ND	ND	ND<0.023	ND<0.023	ND<0.092
c-1,3-Dichloropropene	0.0023	--	ND	ND	ND<0.023	ND<0.023	ND<0.091
t-1,3-Dichloropropene	0.0045	--	ND	ND	ND<0.045	ND<0.045	ND<0.180
Dichlorotetrafluoroethane	0.0140	--	ND	ND	ND<0.140	ND<0.140	ND<0.560
Ethylbenzene	0.0022	14,000	0.042	ND	ND<0.022	0.041	ND<0.087
4-Ethyltoluene	0.0025	--	0.008	ND	ND<0.025	ND<0.025	ND<0.098
Hexachloro-1,3-Butadiene	0.0160	--	ND	ND	ND<0.160	ND<0.160	ND<0.640
2-Hexanone	0.0061	--	ND	ND	ND<0.061	ND<0.061	ND<0.250
Methyl-t-Butyl Ether (MTBE)	0.0072	13.4	ND	ND	ND<0.072	ND<0.072	ND<0.290
Methylene Chloride	0.0170	--	ND	ND	ND<0.170	ND<0.170	ND<0.690
4-Methyl-2-Pentanone	0.0061	--	ND	ND	ND<0.061	ND<0.061	ND<0.250
Styrene	0.0064	--	ND	ND	ND<0.064	ND<0.064	ND<0.260
1,1,2,2-Tetrachloroethane	0.0069	--	ND	ND	ND<0.069	ND<0.069	ND<0.270
Tetrachloroethene	0.0034	0.603	0.0063	ND	ND<0.034	0.046	ND<0.140
Toluene	0.0019	378	0.22	0.0079	0.045	0.220	ND<0.075
1,2,4-Trichlorobenzene	0.0150	--	ND	ND	ND<0.150	ND<0.150	ND<0.0590
1,1,1-Trichloroethane	0.0027	2,790	ND	ND	ND<0.027	ND<0.027	ND<0.110
1,1,2-Trichloroethane	0.0027	--	ND	ND	ND<0.027	ND<0.027	ND<0.110
Trichloroethene	0.0027	1.77	0.031	0.0061	0.120	0.290	0.27
Trichlorofluoromethane	0.0056	--	ND	ND	ND<0.056	ND<0.056	ND<0.220
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.0110	--	0.027	ND	ND<0.110	ND<0.110	ND<0.460
1,2,4-Trimethylbenzene	0.0074	--	0.02	ND	ND<0.074	ND<0.074	ND<0.290
1,3,5-Trimethylbenzene	0.0025	--	0.0075	ND	ND<0.025	ND<0.025	ND<0.098
Vinyl Acetate	0.0070	--	ND	ND	ND<0.070	ND<0.070	ND<0.280
Vinyl Chloride	0.0013	0.045	0.17	0.036	0.710	0.78	0.69
o-Xylene	0.0022	880	0.055	ND	ND<0.022	0.04	ND<0.087
p/m-Xylene	0.0087	890	0.16	ND	ND<0.087	0.14	ND<0.350
		Dilution Factor:	1/8*	1	10/26.6*	10/25*	40

NOTES:
All samples analyzed by EPA Method TO-15
VOC - Volatile Organic Compound
RLs - Reporting Limits
ND - Not detected at or above the RL
ND<X - Not detected at or above the RL of "x"
*/** - Compound specific dilution
-- - Not Applicable/Not Established
µg/l - micrograms per liter
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineere
- Indicates VOC concentration exceeds the compound-specific CHHSL

ALTA ENVIRONMENTAL

TABLE 7A
Soil Gas Sample Results for VOCs - Geosyntec Investigation Samples
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method TO-15	Sample ID:		SVP-5-10-051614	DUP-2-051614 (duplicate of SVP-5-10-051614)	SVP-6-5-051614	SVP-6-10-051614	SVP-7-5-051614
	Date:		5/16/2014	5/16/2014	5/16/2014	5/16/2014	5/16/2014
	RL (µg/l):	CHHSL (µg/L)	VOC Concentrations (µg/l)				
Acetone	0.0048	--	ND	ND	0.011	0.0091	0.022
Benzene	0.0016	0.122	0.077	0.081	0.014	0.0058	0.013
Benzyl Chloride	0.0078	--	ND	ND	ND	ND	ND
Bromodichloromethane	0.0034	--	ND	ND	0.0036	ND	0.0047
Bromoform	0.0052	--	ND	ND	ND	ND	ND
Bromomethane	0.0019	--	ND	ND	ND	ND	ND
2-Butanone	0.0044	--	0.0082	0.0068	ND	ND	0.0059
Carbon Disulfide	0.0062	--	0.160	0.160	0.01	ND	0.013
Carbon Tetrachloride	0.0031	0.085	ND	ND	ND	ND	ND
Chlorobenzene	0.0023	--	0.0033	0.0033	ND	ND	ND
Chloroethane	0.0013	--	0.0031	0.0033	ND	ND	ND
Chloroform	0.0024	--	0.0065	0.0064	0.0042	ND	0.0061
Chloromethane	0.0010	--	0.0026	0.002	ND	0.0021	ND
Dibromochloromethane	0.0043	--	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.0038	--	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.0030	--	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.0030	--	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.0030	--	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.0025	--	ND	ND	0.0026	0.0026	ND
1,1-Dichloroethane	0.0020	--	0.590*	0.590*	ND	ND	ND
1,2-Dichloroethane	0.0020	0.167	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.0020	--	0.110	0.110	ND	ND	ND
c-1,2-Dichloroethene	0.0020	44.4	4.20**	4.40**	ND	ND	ND
t-1,2-Dichloroethene	0.0020	88.7	0.130	0.140	ND	ND	ND
1,2-Dichloropropane	0.0023	--	ND	ND	ND	ND	ND
c-1,3-Dichloropropene	0.0023	--	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	0.0045	--	ND	ND	ND	ND	ND
Dichlorotetrafluoroethane	0.0140	--	ND	ND	ND	ND	ND
Ethylbenzene	0.0022	14,000	0.014	0.029	0.014	ND	0.012
4-Ethyltoluene	0.0025	--	0.0041	0.0043	0.003	ND	0.005
Hexachloro-1,3-Butadiene	0.0160	--	ND	ND	ND	ND	ND
2-Hexanone	0.0061	--	ND	ND	ND	ND	ND
Methyl-t-Butyl Ether (MTBE)	0.0072	13.4	ND	ND	ND	ND	ND
Methylene Chloride	0.0170	--	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	0.0061	--	ND	ND	ND	ND	ND
Styrene	0.0064	--	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.0069	--	ND	ND	ND	ND	ND
Tetrachloroethene	0.0034	0.603	0.024	0.024	0.0089	ND	0.220
Toluene	0.0019	378	0.074	0.077	0.056	0.012	0.044
1,2,4-Trichlorobenzene	0.0150	--	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.0027	2,790	ND	ND	0.0052	ND	0.044
1,1,2-Trichloroethane	0.0027	--	ND	ND	ND	ND	ND
Trichloroethene	0.0027	1.77	0.22	0.210	ND	ND	ND
Trichlorofluoromethane	0.0056	--	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.0110	--	0.12	0.12	0.018	ND	0.08
1,2,4-Trimethylbenzene	0.0074	--	0.016	0.016	0.01	ND	0.019
1,3,5-Trimethylbenzene	0.0025	--	0.0046	0.0046	0.0034	ND	0.006
Vinyl Acetate	0.0070	--	ND	ND	ND	ND	ND
Vinyl Chloride	0.0013	0.045	0.86*	0.83*	ND	ND	ND
o-Xylene	0.0022	880	0.019	0.019	0.013	0.0022	0.017
p/m-Xylene	0.0087	890	0.053	0.053	0.046	ND	0.049
		Dilution Factor:	1/10*/25**	1/10*/25**	1	1	1

NOTES:
All samples analyzed by EPA Method TO-15
VOC - Volatile Organic Compound
RLs - Reporting Limits
ND - Not detected at or above the RL
ND<X - Not detected at or above the RL of "x"
*/** - Compound specific dilution
-- - Not Applicable/Not Established
µg/l - micrograms per liter
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineere
- Indicates VOC concentration exceeds the compound-specific CHHSL

ALTA ENVIRONMENTAL

TABLE 7A
Soil Gas Sample Results for VOCs - Geosyntec Investigation Samples
12922 Panama Street
Los Angeles, California

VOCs in Soil Gas by EPA Method TO-15	Sample ID:		SVP-7-10-051614	SVP-8-5-051614	SVP-8-9-051614	SVP-9-5-051614	SVP-9-10-051614
	Date:		5/16/2014	5/16/2014	5/16/2014	5/16/2014	5/16/2014
	RL (µg/l):	CHHSL (µg/L)	VOC Concentrations (µg/l)				
Acetone	0.0048	--	ND	0.030	0.024	0.013	0.043
Benzene	0.0016	0.122	0.074	0.0092	0.091	0.0022	0.0045
Benzyl Chloride	0.0078	--	ND	ND	ND	ND	ND
Bromodichloromethane	0.0034	--	ND	ND	ND	ND	ND
Bromoform	0.0052	--	ND	ND	ND	ND	ND
Bromomethane	0.0019	--	ND	ND	ND	ND	ND
2-Butanone	0.0044	--	0.0087	ND	0.0076	ND	0.0068
Carbon Disulfide	0.0062	--	0.052	0.0092	0.055	ND	ND
Carbon Tetrachloride	0.0031	0.085	ND	ND	ND	ND	0.021
Chlorobenzene	0.0023	--	ND	ND	ND	ND	ND
Chloroethane	0.0013	--	ND	ND	ND	ND	ND
Chloroform	0.0024	--	0.0043	ND	0.0095	ND	ND
Chloromethane	0.0010	--	ND	0.0014	ND	0.0014	ND
Dibromochloromethane	0.0043	--	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.0038	--	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.0030	--	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	0.0030	--	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.0030	--	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.0025	--	ND	ND	ND	0.0025	0.010
1,1-Dichloroethane	0.0020	--	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.0020	0.167	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.0020	--	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	0.0020	44.4	ND	ND	ND	ND	0.0024
t-1,2-Dichloroethene	0.0020	88.7	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.0023	--	ND	ND	ND	ND	ND
c-1,3-Dichloropropene	0.0023	--	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	0.0045	--	ND	ND	ND	ND	ND
Dichlorotetrafluoroethane	0.0140	--	ND	ND	ND	ND	ND
Ethylbenzene	0.0022	14,000	0.041	0.021	0.15	0.0023	0.0054
4-Ethyltoluene	0.0025	--	0.011	0.011	0.065	0.0041	0.011
Hexachloro-1,3-Butadiene	0.0160	--	ND	ND	ND	ND	ND
2-Hexanone	0.0061	--	ND	ND	ND	ND	ND
Methyl-t-Butyl Ether (MTBE)	0.0072	13.4	ND	ND	ND	ND	ND
Methylene Chloride	0.0170	--	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	0.0061	--	ND	ND	ND	ND	ND
Styrene	0.0064	--	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.0069	--	ND	ND	ND	ND	ND
Tetrachloroethene	0.0034	0.603	0.092	0.031	0.12	0.0067	0.047
Toluene	0.0019	378	0.20	0.037	0.23	0.0035	0.0056
1,2,4-Trichlorobenzene	0.0150	--	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.0027	2,790	0.029	ND	0.0057	0.012	0.027
1,1,2-Trichloroethane	0.0027	--	ND	ND	ND	ND	ND
Trichloroethene	0.0027	1.77	ND	0.0083	0.046	0.0072	0.210
Trichlorofluoromethane	0.0056	--	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.0110	--	0.077	0.083	0.36	ND	0.031
1,2,4-Trimethylbenzene	0.0074	--	0.026	0.027	0.12	0.020	0.074
1,3,5-Trimethylbenzene	0.0025	--	0.011	0.011	0.065	0.0054	0.022
Vinyl Acetate	0.0070	--	ND	ND	ND	ND	ND
Vinyl Chloride	0.0013	0.045	ND	ND	ND	ND	ND
o-Xylene	0.0022	880	0.039	0.025	0.15	0.0044	0.015
p/m-Xylene	0.0087	890	0.14	0.073	0.44	0.01	0.03
		Dilution Factor:	1	1	1	1	1

NOTES:
All samples analyzed by EPA Method TO-15
VOC - Volatile Organic Compound
RLs - Reporting Limits
ND - Not detected at or above the RL
ND<X - Not detected at or above the RL of "x"
*/** - Compound specific dilution
-- - Not Applicable/Not Established
µg/l - micrograms per liter
CHHSL - California Human Health Screening Levels (Commercial/Industrial Use, No Engineere
- Indicates VOC concentration exceeds the compound-specific CHHSL

ALTA ENVIRONMENTAL

TABLE 8
Water Sample Results for Title 22 Metals
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	Title 22 Metals by EPA Method 6010B/7471A (mg/L) in Water																
		Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
PQL (mg/L):		**0.0100**	**0.0100**	**0.0100**	**0.0050**	**0.0050**	**0.0100**	**0.0100**	**0.0100**	**0.0050**	**0.0100**	**0.0100**	**0.0100**	**0.0100**	**0.0100**	**0.0100**	**0.0100**	**0.0005**
MDL (mg/L):		**0.0040**	**0.0030**	**0.0010**	**0.0007**	**0.0007**	**0.0010**	**0.0010**	**0.0010**	**0.0020**	**0.0010**	**0.0020**	**0.0040**	**0.0010**	**0.0030**	**0.0010**	**0.0070**	**0.0001**
MCLs (mg/L):		**0.006**	**0.010**	**1.0**	**0.004**	**0.005**	**0.050**	**NA**	**1.3**	**0.015**	**NA**	**0.1**	**0.05**	**NA**	**0.002**	**NA**	**NA**	**0.002**
B1A	4/26/2013	**0.154**	ND	**0.132**	ND	ND	ND	**0.0018J**	ND	ND	**0.0215**	**0.0124**	ND	ND	ND	**0.0048J**	**0.0108**	ND
B3A	4/25/2013	ND	**0.0032J**	**0.0446**	ND	ND	ND	**0.0057J**	ND	ND	**0.0559**	**0.0161**	**0.0177**	ND	ND	ND	ND	ND
B7A	4/26/2013	ND	**0.0070J**	**0.0703**	ND	ND	**0.0022J**	**0.0025J**	**0.0025J**	ND	**0.0374**	**0.0140**	ND	ND	ND	**0.0121**	ND	ND
B24A	4/25/2013	ND	ND	**0.0751**	ND	**0.0011J**	ND	**0.0094J**	ND	ND	**0.0580**	**0.0168**	**0.0267**	ND	ND	ND	ND	ND
B25A	4/26/2013	ND	ND	**0.0375**	ND	ND	ND	**0.0039J**	ND	ND	**0.0512**	**0.0153**	ND	ND	ND	ND	ND	ND
B26A	4/26/2013	**0.0081J**	ND	**0.0881**	ND	ND	ND	**0.0066J**	ND	ND	**0.0504**	**0.0119**	ND	ND	ND	ND	ND	ND
B28A	4/25/2013	ND	ND	**0.0297**	ND	**0.0009J**	ND	ND	ND	ND	**0.0210**	**0.0106**	**0.0113**	ND	ND	ND	ND	ND
B36A	4/30/2013	ND	ND	**0.079**	ND	ND	ND	ND	ND	ND	**0.0205**	**0.0044J**	ND	ND	ND	**0.0052J**	ND	ND
B37A	6/6/2013	ND	**0.0177**	**0.331**	**0.0037J**	**0.0301**	**0.111**	**0.371**	**0.0855**	ND	**0.0111**	**0.307**	**0.0164**	ND	ND	**0.0785**	**0.244**	ND
B38A	6/7/2013	ND	**0.0159**	**0.594**	ND	**0.0139**	**0.0381**	**0.444**	**0.0889**	ND	**0.0035J**	**0.173**	ND	ND	ND	**0.1**	**0.118**	ND
B39A	6/7/2013	ND	**0.0272**	**0.322**	ND	**0.0202**	**0.0589**	**0.241**	**0.0926**	ND	**0.0015J**	**0.179**	ND	ND	ND	**0.211**	**0.176**	ND
B40A	6/7/2013	ND	**0.0051J**	**0.227**	ND	**0.026**	**0.167**	**0.355**	**0.118**	ND	**0.0171**	**0.34**	**0.0144**	ND	ND	**0.111**	**0.21**	**0.0007**
B41A	6/7/2013	ND	**0.0248**	**0.21**	ND	**0.0187**	**0.0243**	**0.188**	**0.0402**	ND	ND	**0.172**	**0.0104**	ND	ND	**0.102**	**0.103**	**0.0015**
B42A	6/6/2013	ND	**0.0148**	**0.497**	**0.0041J**	**0.0317**	**0.0926**	**0.224**	**0.0579**	ND	**0.0036J**	**0.23**	**0.169**	ND	ND	**0.142**	**0.157**	ND
B43A	6/6/2013	ND	**0.0185**	**0.471**	ND	**0.02**	**0.085**	**0.0896**	**0.106**	ND	**0.0012J**	**0.195**	**0.0077J**	ND	ND	**0.368**	**0.208**	ND
B48A	6/28/2013	ND	ND	**0.0147**	ND	**0.0023J**	ND	**0.0048J**	ND	ND	**0.0182**	**0.0201**	**0.0214**	ND	ND	**0.0060J**	ND	ND
B55A	6/6/2013	ND	**0.0162**	**0.42**	**0.0028J**	**0.0166**	**0.104**	**0.231**	**0.0855**	ND	**0.0054J**	**0.242**	**0.0077J**	ND	ND	**0.116**	**0.196**	ND
B57A	6/7/2013	ND	**0.0416**	**0.38**	ND	**0.0331**	**0.0025J**	**0.125**	**0.0462**	ND	ND	**0.161**	**0.0169**	ND	ND	**0.0648**	**0.137**	ND
B59A	6/7/2013	ND	**0.0293**	**0.95**	ND	**0.0331**	**0.0036J**	**0.0688**	**0.0603**	ND	ND	**0.178**	**0.0068J**	ND	ND	**0.0974**	**0.148**	ND
B60A	6/7/2013	ND	**0.0458**	**2.16**	ND	**0.0355**	**0.0034J**	**0.127**	**0.0125**	ND	ND	**0.187**	**0.0146**	ND	ND	**0.0086J**	**0.122**	ND
B65A	6/28/2013	ND	ND	**0.0574**	ND	ND	ND	ND	ND	ND	**0.0158**	**0.0115**	ND	ND	ND	**0.0078J**	ND	ND
B70A	6/28/2013	ND	ND	**0.0178**	ND	ND	ND	ND	ND	ND	**0.0143**	**0.0099J**	ND	ND	ND	**0.0043J**	ND	ND
GW1	6/18/2013	ND	ND	**0.052**	ND	ND	ND	ND	ND	ND	**0.0426**	**0.018**	ND	ND	ND	ND	**0.0137**	ND
GW2	6/18/2013	ND	ND	**0.0249**	ND	ND	ND	ND	ND	ND	**0.0179**	**0.0141**	ND	ND	ND	ND	ND	ND
GW3	6/18/2013	ND	ND	**0.0331**	ND	ND	ND	ND	ND	ND	**0.0180**	ND	ND	ND	ND	ND	ND	ND
GW1	7/26/2013	ND	ND	**0.0866**	ND	ND	**0.00997J**	**0.00353J**	**0.00798J**	ND	**0.0430**	**0.00930J**	ND	ND	ND	**0.0188**	**0.0481**	ND
GW2	7/26/2013	ND	ND	**0.0451**	ND	ND	**0.00545J**	ND	**0.00280J**	ND	**0.0158**	ND	ND	ND	ND	**0.0103**	**0.0830**	ND
GW3	7/26/2013	ND	ND	**0.0633**	ND	ND	**0.00293J**	ND	**0.00636J**	ND	**0.0202**	ND	**0.00816J**	ND	ND	**0.00684J**	**0.0146**	ND

NOTES:
mg/L = milligrams per liter
ND = Indicates constituent not detected at or above the PQL
J = Analyte detected; however result is an estimated value between the Method Detection Limit (MDL) and the PQL. (See associated lab report for applicable MDLs)
MDL = Method Detection Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for MDLs of samples collected 7/26/13
PQL = Practical Quantitation Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for PQLs of samples collected 7/26/13
MCLs = California Department of Public Health Maximum Contaminant Levels, Updated July 2014
NA = Not applicable

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TABLE 9
Water Sample Results for TPH
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	TPHcc by EPA Method 8015M in Water		
		TPH-GRO (C6-C10) (µg/L)	TPH-DRO (C10-C28) (mg/L)	TPH-ORO (C28+) (mg/L)
PQL (mg/kg):		**50.0**	**0.500**	**0.500**
B1A	4/26/2013	ND	ND	ND
B3A	4/25/2013	ND	ND	ND
B7A	4/26/2013	ND	ND	ND
B24A	4/25/2013	ND	ND	ND
B25A	4/26/2013	ND	ND	ND
B26A	4/26/2013	ND	ND	ND
B28A	4/25/2013	ND	ND	ND
B36A	4/30/2013	ND	ND	ND

NOTES:
ND = Indicates constituents not detected above the PQL
PQL = Practical Quantitation Limit
TPH-GRO = total petroleum hydrocarbons as gasoline range organics
TPH-DRO = total petroleum hydrocarbons as diesel range organics
TPH-ORO = total petroleum hydrocarbons as oil range organics
mg/L = milligrams per liter

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TABLE 10
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water	Sample ID:			B1A	B3A	B7A	B24A	B25A
	Date:			4/26/2013	4/25/2013	4/26/2013	4/25/2013	4/26/2013
	MDL (µg/L):	PQL (µg/L):	MCL (µg/L)	VOC Concentration (µg/L)				
Acetone	2.520	5.00		ND	ND	ND	ND	ND
Benzene	0.097	1.00	1.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.291	1.00		ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.169	1.00		ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00		ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.284	5.00		ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	0.174	3.00		ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.000	5.00		ND	ND	ND	ND	ND
n-Butylbenzene	0.363	1.00		ND	ND	ND	ND	ND
sec-Butylbenzene	0.338	1.00		ND	ND	ND	ND	ND
tert-Butylbenzene	0.235	1.00		ND	ND	ND	ND	ND
Carbon disulfide	0.463	1.00		ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	0.5	ND	ND	ND	ND	ND
Chlorobenzene	0.176	1.00		ND	ND	ND	ND	ND
Chloroethane	0.328	3.00		ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	0.665	5.00		ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.247	1.00		ND	ND	1.05	ND	ND
Chloromethane (Methyl chloride)	0.174	3.00		ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00		ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00		ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00		ND	ND	ND	ND	ND
Dibromochloromethane	0.300	1.00		ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00		ND	ND	ND	ND	ND
Dibromomethane	0.316	1.00		ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	600	ND	ND	203	ND	1.52
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00		ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	5.0	ND	ND	2.51	ND	ND
Dichlorodifluoromethane	0.244	3.00		ND	ND	ND	ND	ND
1,1-Dichloroethane	0.372	1.00	5.0	ND	ND	4.52	ND	0.425J
1,2-Dichloroethane	0.182	1.00	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	6.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.279	1.00	6.0	ND	ND	47	ND	81
trans-1,2-Dichloroethene	0.176	1.00	10	ND	ND	0.950J	ND	1.22
1,2-Dichloropropane	0.359	1.00	5.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.205	1.00		ND	ND	ND	ND	ND
2,2-Dichloropropane	0.341	1.00		ND	ND	ND	ND	ND
1,1-Dichloropropene	0.210	1.00		ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.122	1.00		ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.100	1.00		ND	ND	ND	ND	ND
Ethylbenzene	0.209	1.00	300	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00		ND	ND	ND	ND	ND
2-Hexanone	0.944	5.00		ND	ND	ND	ND	ND
Isopropylbenzene	0.291	1.00		ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00		ND	ND	ND	ND	ND
MTBE	0.240	2.00	13	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.710	5.00		ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.000	5.00		ND	ND	ND	ND	ND
Naphthalene	0.375	1.00		ND	ND	ND	ND	ND
n-Propylbenzene	0.254	1.00		ND	ND	ND	ND	ND
Styrene	0.122	1.00	100	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.141	1.00	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.579	1.00		ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	5.0	ND	ND	24.8	ND	2.61
Toluene (Methyl benzene)	0.282	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.219	1.00		ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.451	1.00	5.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.150	1.00	200	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.233	1.00	5.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.117	1.00	5.0	ND	0.360J	121	0.980J	29.4
Trichlorofluoromethane	0.294	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.303	1.00		ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.451	1.00		ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.219	1.00		ND	ND	ND	ND	ND
Vinyl acetate	1.620	5.00		ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.331	3.00	0.5	ND	ND	ND	ND	ND
o-Xylene	0.262	1.00	1,750	ND	ND	ND	ND	ND
m- & p-Xylenes	0.476	2.00	1,750	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.38	1	1,200	—	—	—	—	—

NOTES:
VOC = Volatile Organic Compound
MDL = Method Detection Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for MDLs of samples collected 7/26/13
PQL = Practical Quantitation Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for PQLs of samples collected 7/26/13
MCLs = California Department of Public Health Maximum Contaminant Levels, Updated July 2014
ND = Indicated constituents not detected at or above the PQL
J = Analyte detected; however, result is an estimated value between the MDL and PQL.
µg/L = micrograms per liter
— = Compound not analyzed

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TABLE 10
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water			Sample ID:	B26A	B28A	B36A	B37A	B38A
			Date:	4/26/2013	4/25/2013	4/30/2013	6/6/21013	6/7/2013
	MDL (µg/L):	PQL (µg/L):	MCL (µg/L)	VOC Concentration (µg/L)				
Acetone	2.520	5.00		ND	ND	ND	ND	ND
Benzene	0.097	1.00	1.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.291	1.00		ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.169	1.00		ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00		0.220J	ND	ND	0.260J	ND
Bromoform (Tribromomethane)	0.284	5.00		ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	0.174	3.00		ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.000	5.00		ND	ND	ND	ND	ND
n-Butylbenzene	0.363	1.00		ND	ND	ND	ND	ND
sec-Butylbenzene	0.338	1.00		ND	ND	ND	ND	ND
tert-Butylbenzene	0.235	1.00		ND	ND	ND	ND	ND
Carbon disulfide	0.463	1.00		ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	0.5	ND	ND	ND	ND	ND
Chlorobenzene	0.176	1.00		ND	ND	ND	ND	ND
Chloroethane	0.328	3.00		ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	0.665	5.00		ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.247	1.00		0.730J	ND	ND	0.840J	1.29
Chloromethane (Methyl chloride)	0.174	3.00		ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00		ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00		ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00		ND	ND	ND	ND	ND
Dibromochloromethane	0.300	1.00		ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00		ND	ND	ND	ND	ND
Dibromomethane	0.316	1.00		ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	600	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00		ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	5.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.244	3.00		ND	ND	ND	ND	ND
1,1-Dichloroethane	0.372	1.00	5.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.182	1.00	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	6.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.279	1.00	6.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	0.176	1.00	10	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.359	1.00	5.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.205	1.00		ND	ND	ND	ND	ND
2,2-Dichloropropane	0.341	1.00		ND	ND	ND	ND	ND
1,1-Dichloropropene	0.210	1.00		ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.122	1.00		ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.100	1.00		ND	ND	ND	ND	ND
Ethylbenzene	0.209	1.00	300	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00		ND	ND	ND	ND	ND
2-Hexanone	0.944	5.00		ND	ND	ND	ND	ND
Isopropylbenzene	0.291	1.00		ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00		ND	ND	ND	ND	ND
MTBE	0.240	2.00	13	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.710	5.00		ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.000	5.00		ND	ND	ND	ND	ND
Naphthalene	0.375	1.00		ND	ND	ND	ND	ND
n-Propylbenzene	0.254	1.00		ND	ND	ND	ND	ND
Styrene	0.122	1.00	100	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.141	1.00	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.579	1.00		ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	5.0	36.8	ND	ND	1.13	120
Toluene (Methyl benzene)	0.282	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.219	1.00		ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.451	1.00	5.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.150	1.00	200	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.233	1.00	5.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.117	1.00	5.0	1.31	0.570J	ND	0.550J	1.62
Trichlorofluoromethane	0.294	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.303	1.00		ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.451	1.00		ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.219	1.00		ND	ND	ND	ND	ND
Vinyl acetate	1.620	5.00		ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.331	3.00	0.5	ND	ND	ND	ND	ND
o-Xylene	0.262	1.00	1,750	ND	ND	ND	ND	ND
m- & p-Xylenes	0.476	2.00	1,750	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.38	1	1,200	—	—	—	—	—

NOTES:
VOC = Volatile Organic Compound
MDL = Method Detection Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for MDLs of samples collected 7/26/13
PQL = Practical Quantitation Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for PQLs of samples collected 7/26/13
MCLs = California Department of Public Health Maximum Contaminant Levels, Updated July 2014
ND = Indicated constituents not detected at or above the PQL
J = Analyte detected; however, result is an estimated value between the MDL and PQL.
µg/L = micrograms per liter
— = Compound not analyzed

ALTA ENVIRONMENTAL

TABLE 10
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water			Sample ID:	B39A	B40A	B41A	B42A	B43A
			Date:	6/7/2013	6/7/2013	6/7/2013	6/6/2013	6/6/2013
	MDL (µg/L):	PQL (µg/L):	MCL (µg/L)	VOC Concentration (µg/L)				
Acetone	2.520	5.00		ND	ND	ND	ND	ND
Benzene	0.097	1.00	1.0	ND	0.200J	ND	ND	0.190J
Bromobenzene (Phenyl bromide)	0.291	1.00		ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.169	1.00		ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00		ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.284	5.00		ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	0.174	3.00		ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.000	5.00		ND	ND	ND	ND	ND
n-Butylbenzene	0.363	1.00		ND	ND	ND	ND	ND
sec-Butylbenzene	0.338	1.00		ND	ND	ND	ND	ND
tert-Butylbenzene	0.235	1.00		ND	ND	ND	ND	ND
Carbon disulfide	0.463	1.00		ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	0.5	ND	ND	ND	ND	ND
Chlorobenzene	0.176	1.00		ND	ND	ND	ND	ND
Chloroethane	0.328	3.00		ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	0.665	5.00		ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.247	1.00		0.580J	0.610J	0.700J	ND	0.580J
Chloromethane (Methyl chloride)	0.174	3.00		ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00		ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00		ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00		ND	ND	ND	ND	ND
Dibromochloromethane	0.300	1.00		ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00		ND	ND	ND	ND	ND
Dibromomethane	0.316	1.00		ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	600	ND	9.64	0.570J	0.630J	4.91
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00		ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	5.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.244	3.00		ND	ND	ND	ND	ND
1,1-Dichloroethane	0.372	1.00	5.0	1.54	1.78	ND	2.38	2.43
1,2-Dichloroethane	0.182	1.00	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	6.0	3.52	1.12	ND	ND	ND
cis-1,2-Dichloroethene	0.279	1.00	6.0	2.12	140	40.6	19.1	131
trans-1,2-Dichloroethene	0.176	1.00	10	ND	5.72	0.740J	0.540J	1.96
1,2-Dichloropropane	0.359	1.00	5.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.205	1.00		ND	ND	ND	ND	ND
2,2-Dichloropropane	0.341	1.00		ND	ND	ND	ND	ND
1,1-Dichloropropene	0.210	1.00		ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.122	1.00		ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.100	1.00		ND	ND	ND	ND	ND
Ethylbenzene	0.209	1.00	300	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00		ND	ND	ND	ND	ND
2-Hexanone	0.944	5.00		ND	ND	ND	ND	ND
Isopropylbenzene	0.291	1.00		ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00		ND	ND	ND	ND	ND
MTBE	0.240	2.00	13	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.710	5.00		ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.000	5.00		ND	ND	ND	ND	ND
Naphthalene	0.375	1.00		ND	ND	ND	ND	ND
n-Propylbenzene	0.254	1.00		ND	ND	ND	ND	ND
Styrene	0.122	1.00	100	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.141	1.00	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.579	1.00		ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	5.0	9.18	4.39	5.38	15.5	2.39
Toluene (Methyl benzene)	0.282	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.219	1.00		ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.451	1.00	5.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.150	1.00	200	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.233	1.00	5.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.117	1.00	5.0	7.29	50.5	9.42	75.9	26.3
Trichlorofluoromethane	0.294	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.303	1.00		ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.451	1.00		ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.219	1.00		ND	ND	ND	ND	ND
Vinyl acetate	1.620	5.00		ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.331	3.00	0.5	ND	ND	ND	ND	1.10J
o-Xylene	0.262	1.00	1,750	ND	ND	ND	ND	ND
m- & p-Xylenes	0.476	2.00	1,750	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.38	1	1,200	—	—	—	—	—

NOTES:
VOC = Volatile Organic Compound
MDL = Method Detection Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for MDLs of samples collected 7/26/13
PQL = Practical Quantitation Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for PQLs of samples collected 7/26/13
MCLs = California Department of Public Health Maximum Contaminant Levels, Updated July 2014
ND = Indicated constituents not detected at or above the PQL
J = Analyte detected; however, result is an estimated value between the MDL and PQL.
µg/L = micrograms per liter
— = Compound not analyzed

ALTA ENVIRONMENTAL

TABLE 10
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water			Sample ID:	B48A	B55A	B57A	B59A	B60A
			Date:	6/28/2013	6/6/2013	6/7/2013	6/7/2013	6/7/2013
	MDL (µg/L):	PQL (µg/L):	MCL (µg/L)	VOC Concentration (µg/L)				
Acetone	2.520	5.00		ND	ND	ND	ND	ND
Benzene	0.097	1.00	1.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.291	1.00		ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.169	1.00		ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00		ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.284	5.00		ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	0.174	3.00		ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.000	5.00		ND	ND	ND	ND	ND
n-Butylbenzene	0.363	1.00		ND	ND	ND	ND	ND
sec-Butylbenzene	0.338	1.00		ND	ND	ND	ND	ND
tert-Butylbenzene	0.235	1.00		ND	ND	ND	ND	ND
Carbon disulfide	0.463	1.00		ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	0.5	ND	ND	ND	ND	ND
Chlorobenzene	0.176	1.00		ND	ND	ND	ND	ND
Chloroethane	0.328	3.00		ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	0.665	5.00		ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.247	1.00		ND	ND	0.860J	1.04	0.610J
Chloromethane (Methyl chloride)	0.174	3.00		ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00		ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00		ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00		ND	ND	ND	ND	ND
Dibromochloromethane	0.300	1.00		ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00		ND	ND	ND	ND	ND
Dibromomethane	0.316	1.00		ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	600	1.2	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00		ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	5.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.244	3.00		ND	ND	ND	ND	ND
1,1-Dichloroethane	0.372	1.00	5.0	3.37	3.75	ND	5.59	0.400J
1,2-Dichloroethane	0.182	1.00	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	6.0	ND	ND	ND	0.360J	ND
cis-1,2-Dichloroethene	0.279	1.00	6.0	22.9	72.9	1.84	ND	0.710J
trans-1,2-Dichloroethene	0.176	1.00	10	1.27	1.44	ND	ND	ND
1,2-Dichloropropane	0.359	1.00	5.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.205	1.00		ND	ND	ND	ND	ND
2,2-Dichloropropane	0.341	1.00		ND	ND	ND	ND	ND
1,1-Dichloropropene	0.210	1.00		ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.122	1.00		ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.100	1.00		ND	ND	ND	ND	ND
Ethylbenzene	0.209	1.00	300	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00		ND	ND	ND	ND	ND
2-Hexanone	0.944	5.00		ND	ND	ND	ND	ND
Isopropylbenzene	0.291	1.00		ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00		ND	ND	ND	ND	ND
MTBE	0.240	2.00	13	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.710	5.00		ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.000	5.00		ND	ND	ND	ND	ND
Naphthalene	0.375	1.00		ND	ND	ND	ND	ND
n-Propylbenzene	0.254	1.00		ND	ND	ND	ND	ND
Styrene	0.122	1.00	100	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.141	1.00	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.579	1.00		ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	5.0	67.5	1.14	1.49	26.6	13.8
Toluene (Methyl benzene)	0.282	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.219	1.00		ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.451	1.00	5.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.150	1.00	200	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.233	1.00	5.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.117	1.00	5.0	22.6	23.4	4.54	1.05	0.750J
Trichlorofluoromethane	0.294	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.303	1.00		ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.451	1.00		ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.219	1.00		ND	ND	ND	ND	ND
Vinyl acetate	1.620	5.00		ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.331	3.00	0.5	ND	ND	ND	ND	ND
o-Xylene	0.262	1.00	1,750	ND	ND	ND	ND	ND
m- & p-Xylenes	0.476	2.00	1,750	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.38	1	1,200	—	—	—	—	—

NOTES:
VOC = Volatile Organic Compound
MDL = Method Detection Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for MDLs of samples collected 7/26/13
PQL = Practical Quantitation Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for PQLs of samples collected 7/26/13
MCLs = California Department of Public Health Maximum Contaminant Levels, Updated July 2014
ND = Indicated constituents not detected at or above the PQL
J = Analyte detected; however, result is an estimated value between the MDL and PQL.
µg/L = micrograms per liter
— = Compound not analyzed

TABLE 10
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water			Sample ID:	B65A	B70A	GW1	GW2	GW3
			Date:	6/28/2013	6/28/2013	6/18/2013	6/18/2013	6/18/2013
	MDL (µg/L):	PQL (µg/L):	MCL (µg/L)	VOC Concentration (µg/L)				
Acetone	2.520	5.00		ND	ND	ND	ND	ND
Benzene	0.097	1.00	1.0	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.291	1.00		ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.169	1.00		ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00		ND	0.920J	ND	0.945J	ND
Bromoform (Tribromomethane)	0.284	5.00		ND	ND	ND	0.465J	ND
Bromomethane (Methyl bromide)	0.174	3.00		ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.000	5.00		ND	ND	ND	ND	ND
n-Butylbenzene	0.363	1.00		ND	ND	ND	ND	ND
sec-Butylbenzene	0.338	1.00		ND	ND	ND	ND	ND
tert-Butylbenzene	0.235	1.00		ND	ND	ND	ND	ND
Carbon disulfide	0.463	1.00		ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	0.5	ND	ND	ND	ND	ND
Chlorobenzene	0.176	1.00		ND	ND	ND	ND	ND
Chloroethane	0.328	3.00		ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	0.665	5.00		ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.247	1.00		ND	1.64	0.670J	0.875J	0.640J
Chloromethane (Methyl chloride)	0.174	3.00		ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00		ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00		ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00		ND	ND	ND	ND	ND
Dibromochloromethane	0.300	1.00		ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00		ND	ND	ND	ND	ND
Dibromomethane	0.316	1.00		ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	600	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00		ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	5.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.244	3.00		ND	ND	ND	ND	ND
1,1-Dichloroethane	0.372	1.00	5.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.182	1.00	0.5	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	6.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	0.279	1.00	6.0	ND	ND	13.5	ND	ND
trans-1,2-Dichloroethene	0.176	1.00	10	ND	ND	0.290J	ND	ND
1,2-Dichloropropane	0.359	1.00	5.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.205	1.00		ND	ND	ND	ND	ND
2,2-Dichloropropane	0.341	1.00		ND	ND	ND	ND	ND
1,1-Dichloropropene	0.210	1.00		ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.122	1.00		ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.100	1.00		ND	ND	ND	ND	ND
Ethylbenzene	0.209	1.00	300	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00		ND	ND	ND	ND	ND
2-Hexanone	0.944	5.00		ND	ND	ND	ND	ND
Isopropylbenzene	0.291	1.00		ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00		ND	ND	ND	ND	ND
MTBE	0.240	2.00	13	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.710	5.00		ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.000	5.00		ND	ND	ND	ND	ND
Naphthalene	0.375	1.00		ND	ND	ND	ND	ND
n-Propylbenzene	0.254	1.00		ND	ND	ND	ND	ND
Styrene	0.122	1.00	100	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.141	1.00	1.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.579	1.00		ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	5.0	0.480J	6.63	30.8	ND	125
Toluene (Methyl benzene)	0.282	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.219	1.00		ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.451	1.00	5.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.150	1.00	200	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.233	1.00	5.0	ND	ND	ND	ND	ND
Trichloroethene (TCE)	0.117	1.00	5.0	3.15	0.810J	6.92	0.570J	2.18
Trichlorofluoromethane	0.294	1.00	150	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.303	1.00		ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.451	1.00		ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.219	1.00		ND	ND	ND	ND	ND
Vinyl acetate	1.620	5.00		ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.331	3.00	0.5	ND	ND	ND	ND	ND
o-Xylene	0.262	1.00	1,750	ND	ND	ND	ND	ND
m- & p-Xylenes	0.476	2.00	1,750	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.38	1	1,200	—	—	—	—	—

NOTES:
VOC = Volatile Organic Compound
MDL = Method Detection Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for MDLs of samples collected 7/26/13
PQL = Practical Quantitation Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for PQLs of samples collected 7/26/13
MCLs = California Department of Public Health Maximum Contaminant Levels, Updated July 2014
ND = Indicated constituents not detected at or above the PQL
J = Analyte detected; however, result is an estimated value between the MDL and PQL.
µg/L = micrograms per liter
— = Compound not analyzed

ALTA ENVIRONMENTAL

TABLE 10
Water Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Water			Sample ID:	GW1	GW2	GW3
			Date:	7/26/2013	7/26/2013	7/26/2013
	MDL (µg/L):	PQL (µg/L):	MCL (µg/L)	VOC Concentration (µg/L)		
Acetone	2.520	5.00		ND	ND	ND
Benzene	0.097	1.00	1.0	ND	ND	ND
Bromobenzene (Phenyl bromide)	0.291	1.00		ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.169	1.00		ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00		ND	ND	0.26J
Bromoform (Tribromomethane)	0.284	5.00		ND	ND	ND
Bromomethane (Methyl bromide)	0.174	3.00		ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.000	5.00		ND	ND	ND
n-Butylbenzene	0.363	1.00		ND	ND	ND
sec-Butylbenzene	0.338	1.00		ND	ND	ND
tert-Butylbenzene	0.235	1.00		ND	ND	ND
Carbon disulfide	0.463	1.00		ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	0.5	ND	ND	ND
Chlorobenzene	0.176	1.00		ND	ND	ND
Chloroethane	0.328	3.00		ND	ND	ND
2-Chloroethyl vinyl ether	0.665	5.00		—	—	—
Chloroform (Trichloromethane)	0.247	1.00		ND	ND	0.66J
Chloromethane (Methyl chloride)	0.174	3.00		ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00		ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00		ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00		ND	ND	ND
Dibromochloromethane	0.300	1.00		ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00		ND	ND	ND
Dibromomethane	0.316	1.00		ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	600	2.1	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00		ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	5.0	ND	ND	ND
Dichlorodifluoromethane	0.244	3.00		ND	ND	ND
1,1-Dichloroethane	0.372	1.00	5.0	0.56J	ND	ND
1,2-Dichloroethane	0.182	1.00	0.5	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	6.0	0.72J	ND	ND
cis-1,2-Dichloroethene	0.279	1.00	6.0	44	ND	ND
trans-1,2-Dichloroethene	0.176	1.00	10	1.6	ND	ND
1,2-Dichloropropane	0.359	1.00	5.0	ND	ND	ND
1,3-Dichloropropane	0.205	1.00		ND	ND	ND
2,2-Dichloropropane	0.341	1.00		ND	ND	ND
1,1-Dichloropropene	0.210	1.00		ND	ND	ND
cis-1,3-Dichloropropene	0.122	1.00		ND	ND	ND
trans-1,3-Dichloropropene	0.100	1.00		ND	ND	ND
Ethylbenzene	0.209	1.00	300	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00		—	—	—
2-Hexanone	0.944	5.00		ND	ND	ND
Isopropylbenzene	0.291	1.00		ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00		ND	ND	ND
MTBE	0.240	2.00	13	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.710	5.00		ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.000	5.00		ND	ND	ND
Naphthalene	0.375	1.00		ND	ND	ND
n-Propylbenzene	0.254	1.00		ND	ND	ND
Styrene	0.122	1.00	100	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.141	1.00	1.0	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.579	1.00		ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	5.0	20	ND	40
Toluene (Methyl benzene)	0.282	1.00	150	ND	ND	ND
1,2,3-Trichlorobenzene	0.219	1.00		ND	ND	ND
1,2,4-Trichlorobenzene	0.451	1.00	5.0	ND	ND	ND
1,1,1-Trichloroethane	0.150	1.00	200	ND	ND	ND
1,1,2-Trichloroethane	0.233	1.00	5.0	ND	ND	ND
Trichloroethene (TCE)	0.117	1.00	5.0	20	0.79J	1.1
Trichlorofluoromethane	0.294	1.00	150	ND	ND	ND
1,2,3-Trichloropropane	0.303	1.00		ND	ND	ND
1,2,4-Trimethylbenzene	0.451	1.00		ND	ND	ND
1,3,5-Trimethylbenzene	0.219	1.00		ND	ND	ND
Vinyl acetate	1.620	5.00		ND	ND	ND
Vinyl chloride (Chloroethene)	0.331	3.00	0.5	ND	ND	ND
o-Xylene	0.262	1.00	1,750	ND	ND	ND
m- & p-Xylenes	0.476	2.00	1,750	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.38	1	1,200	160	ND	ND

NOTES:
VOC = Volatile Organic Compound
MDL = Method Detection Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for MDLs of samples collected 7/26/13
PQL = Practical Quantitation Limit for samples collected 4/25/13 to 6/28/13, see Calscience laboratory report no. 13-07-1840 for PQLs of samples collected 7/26/13
MCLs = California Department of Public Health Maximum Contaminant Levels, Updated July 2014
ND = Indicated constituents not detected at or above the PQL
J = Analyte detected; however, result is an estimated value between the MDL and PQL.
µg/L = micrograms per liter
— = Compound not analyzed

ALTA ENVIRONMENTAL

TABLE 11
Groundwater Sample Results for 1,4-dioxane
12922 Panama Street
Los Angeles, California

Sample ID	Sample Date	EPA Method 8270C(M) 1,4-Dioxane (ug/L)
	RL:	**1.0**
	MDL:	**0.280**
	ESL:	**2.5**
B48A	6/28/2013	**54**
B65A	6/28/2013	ND
B70A	6/28/2013	ND
GW1	6/18/2013	ND
GW2	6/18/2013	ND
GW3	6/18/2013	ND
GW1	7/26/2013	**1.9**
GW2	7/26/2013	ND
GW3	7/26/2013	ND

NOTES:

ND = Indicates constituents not detected above the PQL

RL = Reporting Limit

MDL = Method Detection Limit (samples collected 7/26/13)

ug/L = micrograms per liter

ESLs = Environmental Screening Levels, based on the CRWQCB-San Francisco Bay Region's Screening for Environmental Concerns at Site with Contaminated Soil and Groundwater, using Summary Table A (May 2013) - ESLs in Summary Table A (May 2013) - ESLs in Shallow Soils, Groundwater is Current or Potential Source of Drinking Water

ALTA ENVIRONMENTAL

TABLE 12
Hydropunch Groundwater Sampling Depths
12922 Panama Street
Los Angeles, California

Hydropunch Boring ID	Depth to Groundwater Encountered During Hydropunch Sampling* (ft. bgs)
B1A	11.00
B3A	9.50
B7A	11.50
B24A	12.00
B25A	11.00
B26A	11.50
B28A	12.00
B36A	11.00
B37A	11.50
B38A	12.00
B39A	11.50
B40A	11.00
B41A	12.00
B42A	13.00
B43A	12.00
B48A	13.00
B55A	11.50
B57A	11.00
B59A	12.50
B60A	12.00
B65A	11.50
B70A	11.00

NOTES:

ft. bgs = feet below ground surface

*Depth to groundwater is an estimated depth based on field observations during field drilling and hydropunch sampling activities.

ALTA ENVIRONMENTAL

TABLE 13
Groundwater Elevations
12922 Panama Street
Los Angeles, California

Measurement Date	Top of Casing Elevation (ft. AMSL)	Depth to Groundwater Below top of Casing (ft.)	Groundwater Elevation (ft. AMSL)
GW1			
06/18/13	12.33	12.27	0.06
07/26/13	12.33	12.28	0.05
GW2			
06/18/13	11.86	9.72	2.14
07/26/13	11.86	9.71	2.15
GW3			
06/18/13	11.53	10.71	0.82
07/26/13	11.53	10.78	0.75

NOTES:

ft. = feet

AMSL = Above Mean Sea Level

Wells surveyed by DMC Engineering on June 14, 2013

TABLE 14
Asphalt and Concrete Sample Results for VOCs
12922 Panama Street
Los Angeles, California

VOCs by EPA Method 8260B in Asphalt and Concrete		Sample ID:	B4-Con	GW3-As	B38-As	B12-Con	B55-Con	B10-Con	GW1-As	B39-As
		Date:	7/26/2013	7/26/2013	7/26/2013	7/26/2013	7/26/2013	7/26/2013	7/26/2013	7/26/2013
	MDL (µg/kg):	PQL (µg/kg):	VOC Concentration (µg/kg)							
Acetone	6.2	120	**33**	**6.8**	ND	**140**	**15**	**19**	**6.2**	**13**
Benzene	0.13	5.0	ND	ND	ND	ND	**0.22**	**0.24**	ND	ND
Bromobenzene	0.21	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	0.69	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	0.23	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	0.79	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	9.4	25	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	3.8	50	**4.2**	ND	ND	**4.8**	ND	**3.9**	ND	ND
n-Butylbenzene	0.16	5.0	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	0.58	5.0	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	0.15	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	0.31	50	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.28	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	0.22	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	1.5	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.24	5.0	**0.71**	ND	ND	**1.5**	ND	ND	ND	ND
Chloromethane	0.30	25	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	0.23	5.0	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	0.21	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	0.57	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-Chloropropane	1.7	10	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.26	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	0.77	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	0.23	5.0	ND	ND	ND	**0.78**	ND	ND	ND	ND
1,3-Dichlorobenzene	0.18	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	0.22	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.44	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.21	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.31	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.35	5.0	ND	ND	ND	ND	ND	ND	ND	ND
c-1,2-Dichloroethene	0.28	5.0	ND	ND	ND	ND	ND	ND	ND	ND
t-1,2-Dichloroethene	0.51	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.44	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.25	5.0	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.33	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.33	5.0	ND	ND	ND	ND	ND	ND	ND	ND
c-1,3-Dichloropropene	0.25	5.0	ND	ND	ND	ND	ND	ND	ND	ND
t-1,3-Dichloropropene	0.61	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.15	5.0	ND	ND	ND	ND	ND	**0.27**	ND	ND
2-Hexanone	1.8	50	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	0.55	5.0	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	0.63	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.3	50	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone	4.3	50	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	0.81	50	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.50	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	0.60	5.0	ND	ND	ND	ND	ND	**2.1**	ND	ND
1,1,1,2-Tetrachloroethane	0.24	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.35	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.21	5.0	ND	**2.9**	**2.6**	**3.8**	ND	**0.27**	ND	ND
Toluene	0.52	5.0	ND	ND	ND	ND	ND	**0.82**	ND	ND
1,2,3-Trichlorobenzene	0.91	10	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.31	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.23	5.0	ND	ND	ND	**2.2**	ND	ND	ND	ND
1,1,2-Trichloroethane	0.35	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-Trifluoroethar	0.35	50	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	0.30	5.0	ND	ND	ND	**4.1**	ND	ND	ND	ND
Trichlorofluoromethane	0.83	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.59	5.0	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.38	50	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.55	5.0	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	4.7	50	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.50	5.0	ND	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	0.27	5.0	ND	ND	ND	ND	**0.28**	**0.59**	ND	ND
o-Xylene	0.56	5.0	ND	ND	ND	ND	ND	**0.98**	ND	ND
Methyl-t-Butyl Ether (MTBE)	0.30	5.0	ND	ND	ND	ND	ND	ND	ND	ND
		Dilution Factor:	1	1	1	1	1	1	1	1

NOTES:
VOC = Volatile Organic Compound
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
ND = Indicated constituents not detected above the MDL
µg/kg = micrograms per kilogram
● = Not Applicable

ALTA ENVIRONMENTAL

FIGURES

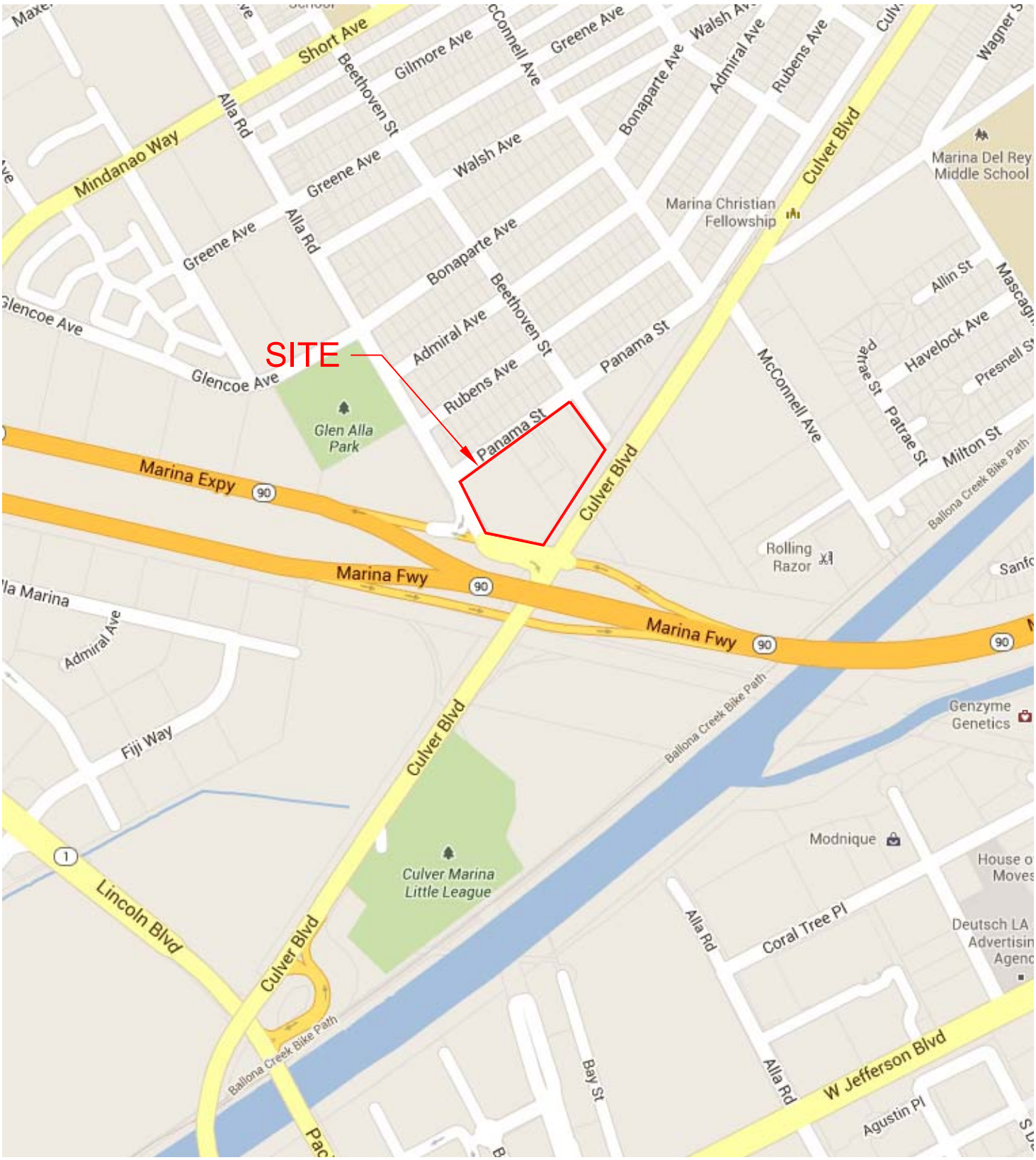


FIGURE 1: Site Vicinity Map

CLIENT: McGuire Woods, LLP	SITE LOCATION: Panama Street Site 12922 Panama Street Los Angeles, California 90066
PROJECT #: MCGU-13-2252	

ALTA ENVIRONMENTAL
3777 Long Beach Blvd., Annex Bldg.
Long Beach, CA 90807
(562) 495-5777 www.altaenviron.com

DRAWN: KD	APPROVED: JB	NORTH
SCALE: None	DATE: 7/8/13	

W:\Clients H-M\McGuire Woods (MCGU)\MCGU-13-2252 Teledyne Due Diligence\Photos - Drawings\CAD Files\MCGU_update.dwg

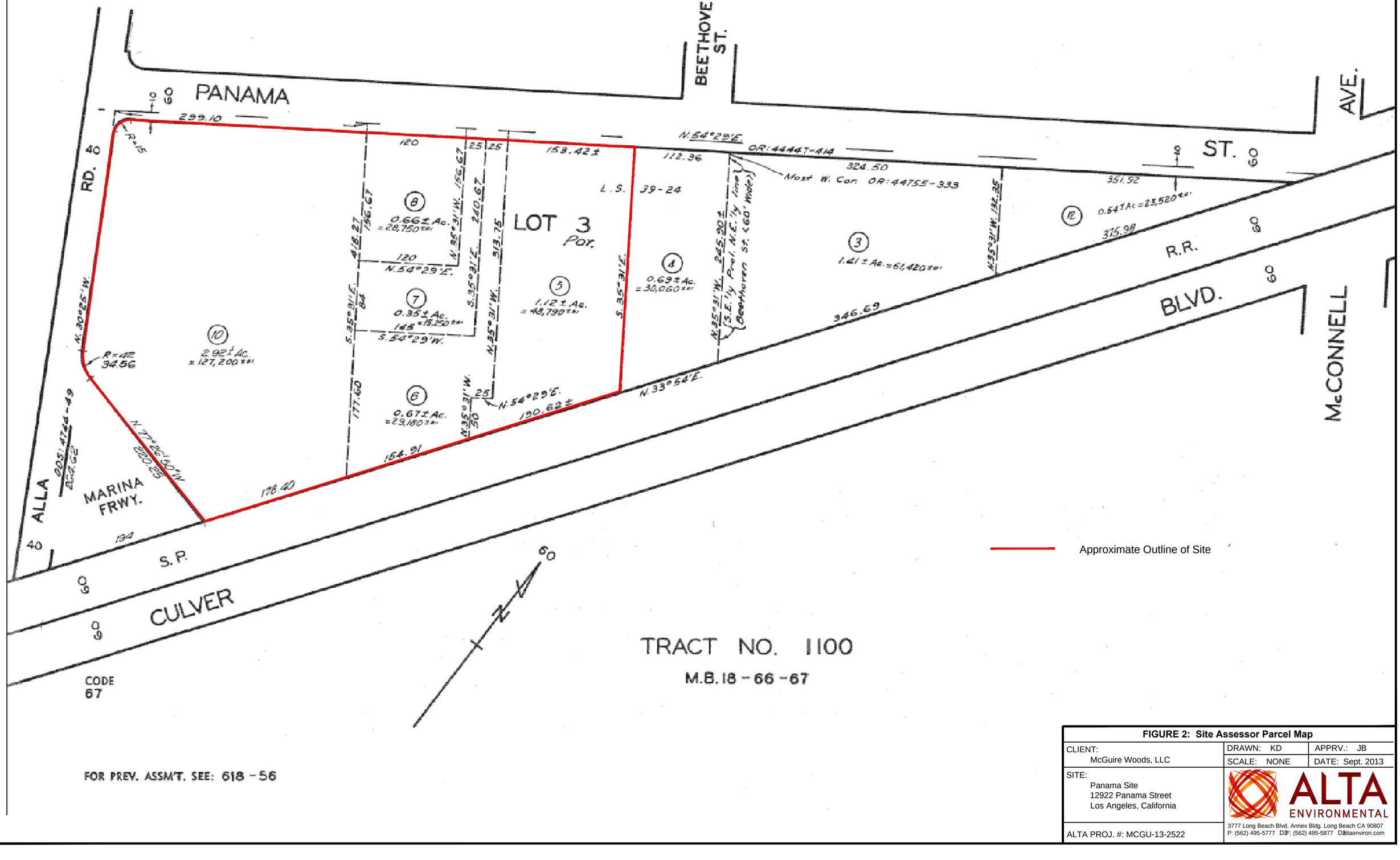


FIGURE 2: Site Assessor Parcel Map

CLIENT: McGuire Woods, LLC	DRAWN: KD	APPRV.: JB
	SCALE: NONE	DATE: Sept. 2013
SITE: Panama Site 12922 Panama Street Los Angeles, California	ALTA ENVIRONMENTAL	
ALTA PROJ. #: MCGU-13-2522	3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807 P: (562) 495-5777 F: (562) 495-5877 altaenviron.com	

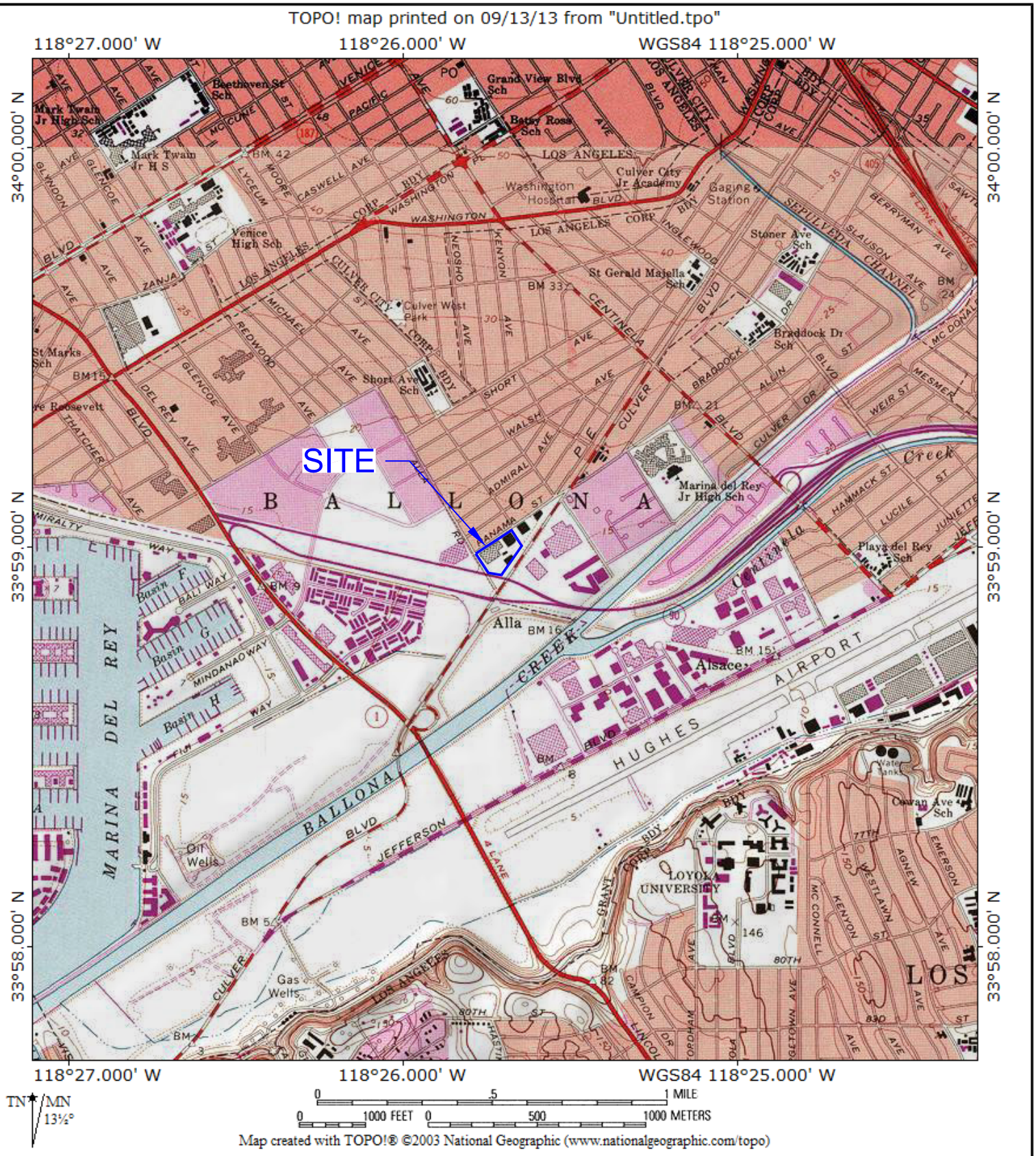


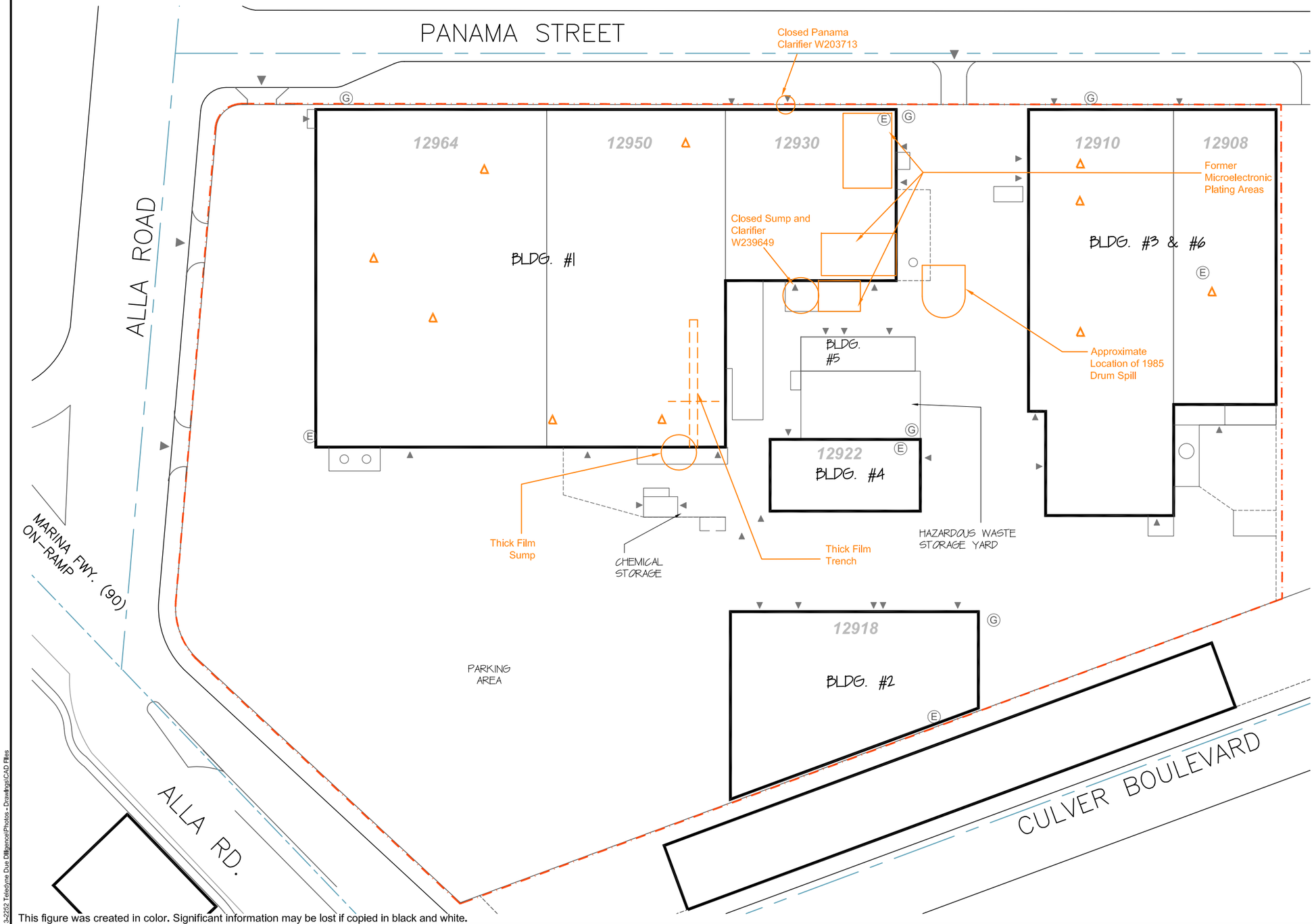
FIGURE 3: Site USGS Topographic Map

CLIENT: McGuire Woods, LLP	SITE LOCATION: Panama Street Site 12922 Panama Street Los Angeles, California 90066
PROJECT #: MCGU-13-2252	

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DRAWN: KD	APPROVED: JB	NORTH
SCALE: As Noted	DATE: 9/13/13	

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EXISTING BUILDING NOTES
HISTORIC TELEDYNE USES

BUILDING #1 (12964, 12950 and 12930 Panama Street):
Beginning in approximately 1962, this building was historically used for hybrid electronic circuit manufacturing.

***BUILDING #2 (12918 Panama Street)*:**
Beginning in 1962, this building was historically used for engineering offices and a cafeteria. At one time, Teledyne operated its Metrology Department from this building. The Metrology Department was primarily tasked with calibrating Teledyne owned electronic test and assembly equipment.

BUILDING #3 (12908 Panama Street) and BUILDING #6 (12910 Panama Street):
Beginning in 1962 (Building #3) and in 1981 (Building #6), these buildings were historically used for hybrid electronic circuit manufacturing.

***BUILDING #4 (12922 Panama Street)*:**
Beginning in 1962, this building was historically used for engineering offices. More recently (post 2005) a small machine shop was located in this building. The hazardous waste storage yard is located on the 12922 parcel.

BUILDING #5 (no address):
This building was historically used by Teledyne's Manufacturing Services Department whose primary task was repairing and maintaining Teledyne owned equipment.

Teledyne Vacated the Site on July 31, 2013

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LEGEND:

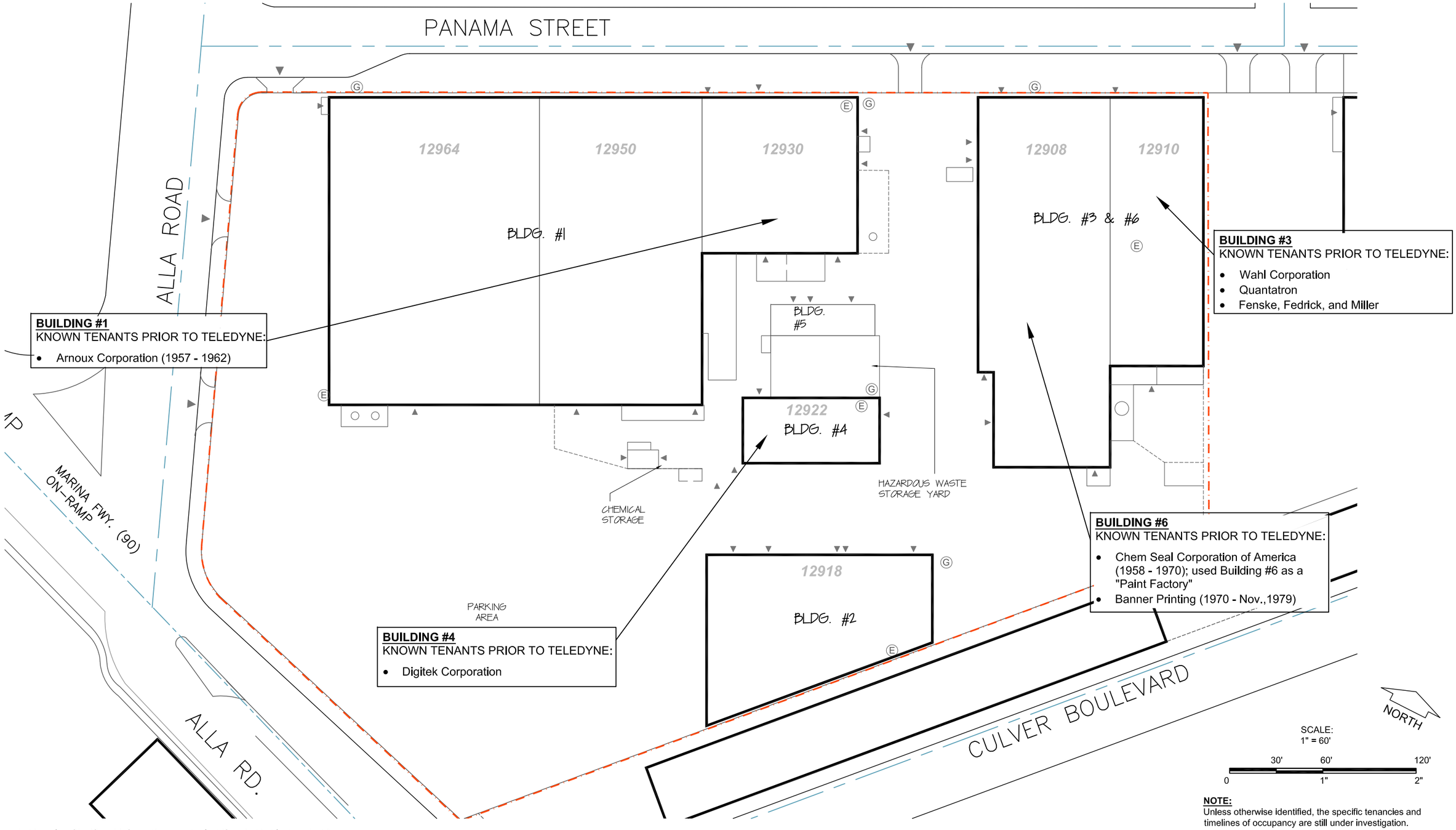
- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Ⓔ Approximate Location of Utility Shut-off (Electrical)
- Ⓖ Approximate Location of Utility Shut-off (Gas)
- ▼ Approximate Location of Access Point
- △ Approximate Location of Former Vapor Degreaser

FIGURE 4A: Historic Teledyne Site Use Map

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: May 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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BUILDING #1
KNOWN TENANTS PRIOR TO TELEDYNE:

- Arnoux Corporation (1957 - 1962)

BUILDING #3
KNOWN TENANTS PRIOR TO TELEDYNE:

- Wahl Corporation
- Quantatron
- Fenske, Fedrick, and Miller

BUILDING #4
KNOWN TENANTS PRIOR TO TELEDYNE:

- Digitek Corporation

BUILDING #6
KNOWN TENANTS PRIOR TO TELEDYNE:

- Chem Seal Corporation of America (1958 - 1970); used Building #6 as a "Paint Factory"
- Banner Printing (1970 - Nov.,1979)

NOTE:
Unless otherwise identified, the specific tenancies and timelines of occupancy are still under investigation.

This figure was created in color. Significant information may be lost if copied in black and white.

LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Ⓔ Approximate Location of Utility Shut-off (Electrical)
- Ⓖ Approximate Location of Utility Shut-off (Gas)
- ▼ Approximate Location of Access Point

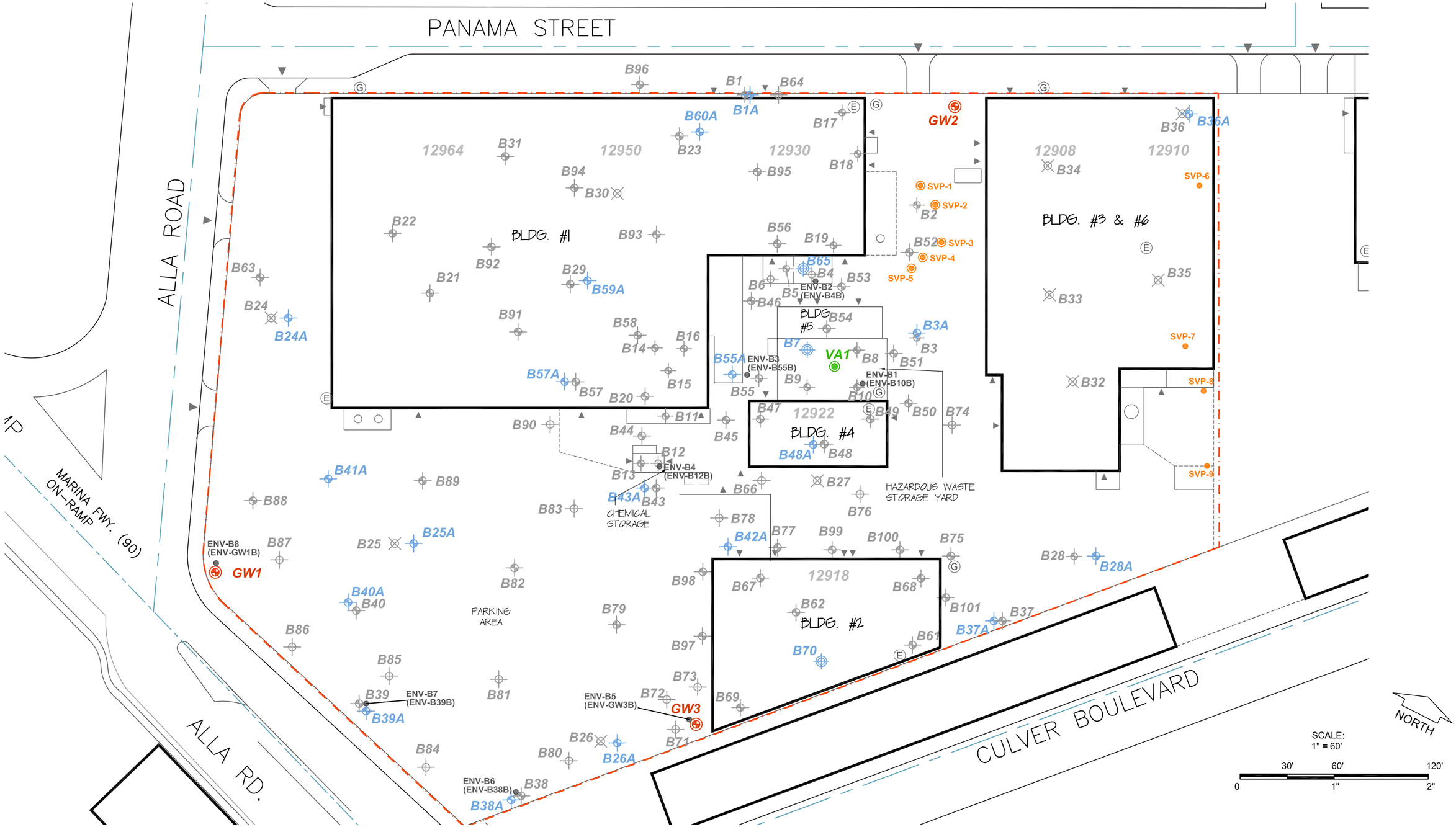
FIGURE 4B: Identified Historic Site Use Prior to Teledyne Occupancy

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: May 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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LEGEND:

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- Center Line
- 12964 Address Number on Panama Street
- Ⓔ Approximate Location of Utility Shut-off (Electrical)
- Ⓖ Approximate Location of Utility Shut-off (Gas)
- ▼ Approximate Location of Access Point
- Soil Vapor Boring Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch Groundwater Boring Location
- Soil/Hydropunch Groundwater Boring Location
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location - Installed by Environ International Corporation (Environ; July, 2013); Alta Environmental Split Sample ID's provided in parentheses.
- Approximate Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014); Eastern Boundary
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014); Spill Area

FIGURE 4C: Site Layout and Boring Location Map

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: May 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

12910, 12908

12922

12918

BLDG. #1

BLDG. #2

BLDG. #3 & #6

BLDG. #4

BLDG. #5

PARKING AREA

CHEMICAL STORAGE

HAZARDOUS WASTE STORAGE YARD

GW1

GW2

GW3

VA

A

A'

B

B'

SCALE:
1" = 60'

0 30' 60' 120'
0 1" 2"

NORTH

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Ⓔ Approximate Location of Utility Shut-off (Electrical)
- Ⓖ Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec (May, 2014); Spill Area

40,600 (PCE) Maximum VOC concentration detected in soil samples collected between 1 and 5 feet bgs and presented in ug/kg. Maximum detected VOC is identified in parentheses.

Estimated isoconcentration contour for VOCs detected in Soil Matrix between 1 and 5 feet bgs.

X X' Path of Cross Section Line

bgs below ground surface

ug/kg micrograms per kilogram

VOC Volatile Organic Compound

PCE Tetrachloroethylene

TCE Trichloroethylene

c-1,2-DCE cis-1,2-Dichloroethene

ND VOCs not detected above the laboratory reporting limits

NA Samples not analyzed between 2.5 and 5 feet bgs

J Analyte detected; however concentration is an estimated value between the Method Detection Limit (MDL) and practical quantitation limit (PQL)

NOTE:
All VOC results by EPA Method 8260B.

FIGURE 5: Maximum VOC Detected in Soil Matrix - Areas of Potential Concern

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013

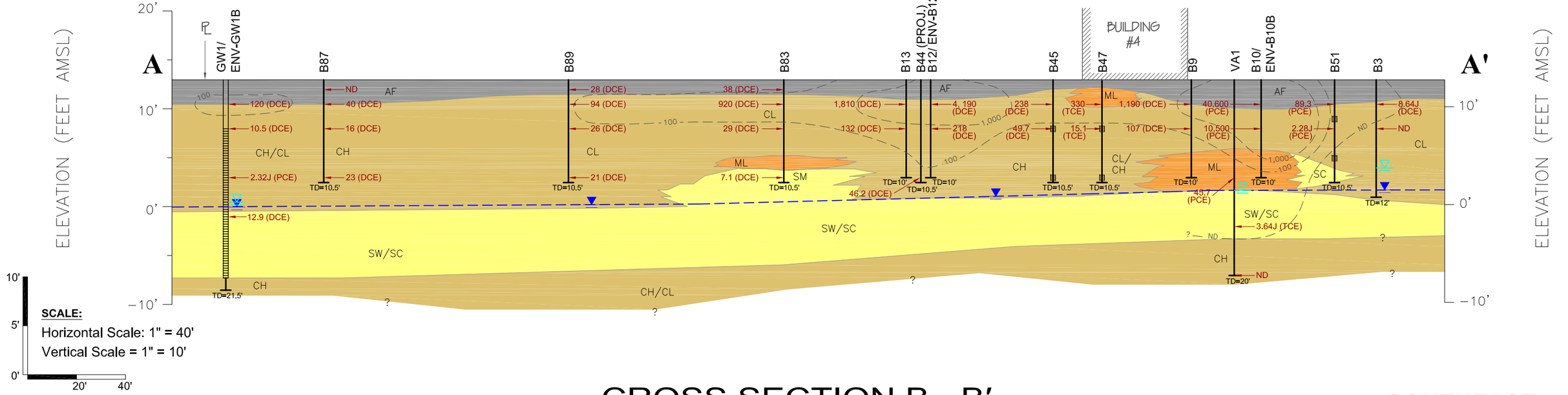
SITE:
Panama Street Site
12922 Panama Street
Los Angeles, California 90066

ALTA PROJ. NO.: MCGU-13-2252

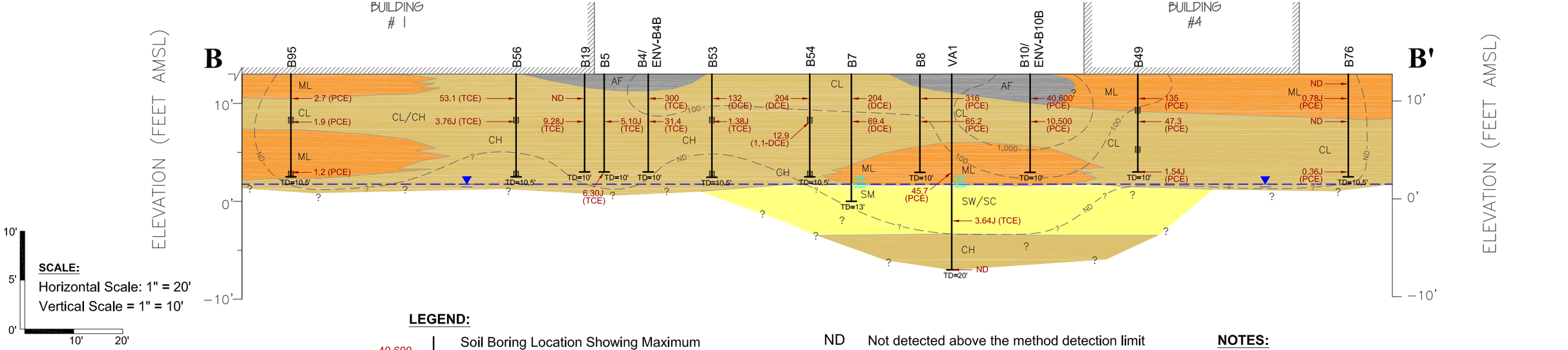
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CROSS SECTION A - A'



CROSS SECTION B - B'



USCS SOIL TYPE SYMBOLS

AF	Artificial Fill	
CL/CH	Fat Clay and Lean Clay, Silty and Sandy Clay	
SC/SW/SM	Clayey Sand, Well- and Poorly-Graded Sand, Silty Sand with Gravel	
ML	Clayey and Sandy Silt with Gravel	

LEGEND:

40,600 (PCE)	Soil Boring Location Showing Maximum Concentrations of PCE, TCE, or cis-1,2-DCE (µg/kg) in Soil Matrix; VOC Identified in Parentheses
	Existing Groundwater Monitoring Well Showing Screened Section of Well
	Soil Vapor Implant
	Depth to Groundwater Encountered During Drilling
	Groundwater Equipotential Surface
J	Analyte detected; However, result is an estimated value between the method detection limit (MDL) and the practical quantitation limit (PQL)

ND	Not detected above the method detection limit
µg/kg	micrograms per kilogram
PCE	Tetrachloroethylene
TCE	Trichloroethylene
DCE	cis-1,2-Dichloroethylene
1,1-DCE	1,1-Dichloroethylene
AMSL	Above Mean Sea Level
(PROJ.)	Soil Boring Projected onto Cross Section Line
— -ND- —	Interpreted extent of detectable PCE, TCE, and cis-1,2-DCE concentrations
— -1,000-	Interpreted isoconcentration contour of maximum PCE, TCE, and cis-1,2-DCE detected in soil matrix

NOTES:

1. Soil Matrix VOC results in units of µg/kg and are presented in **RED**
2. All VOC results by EPA Method 8260B

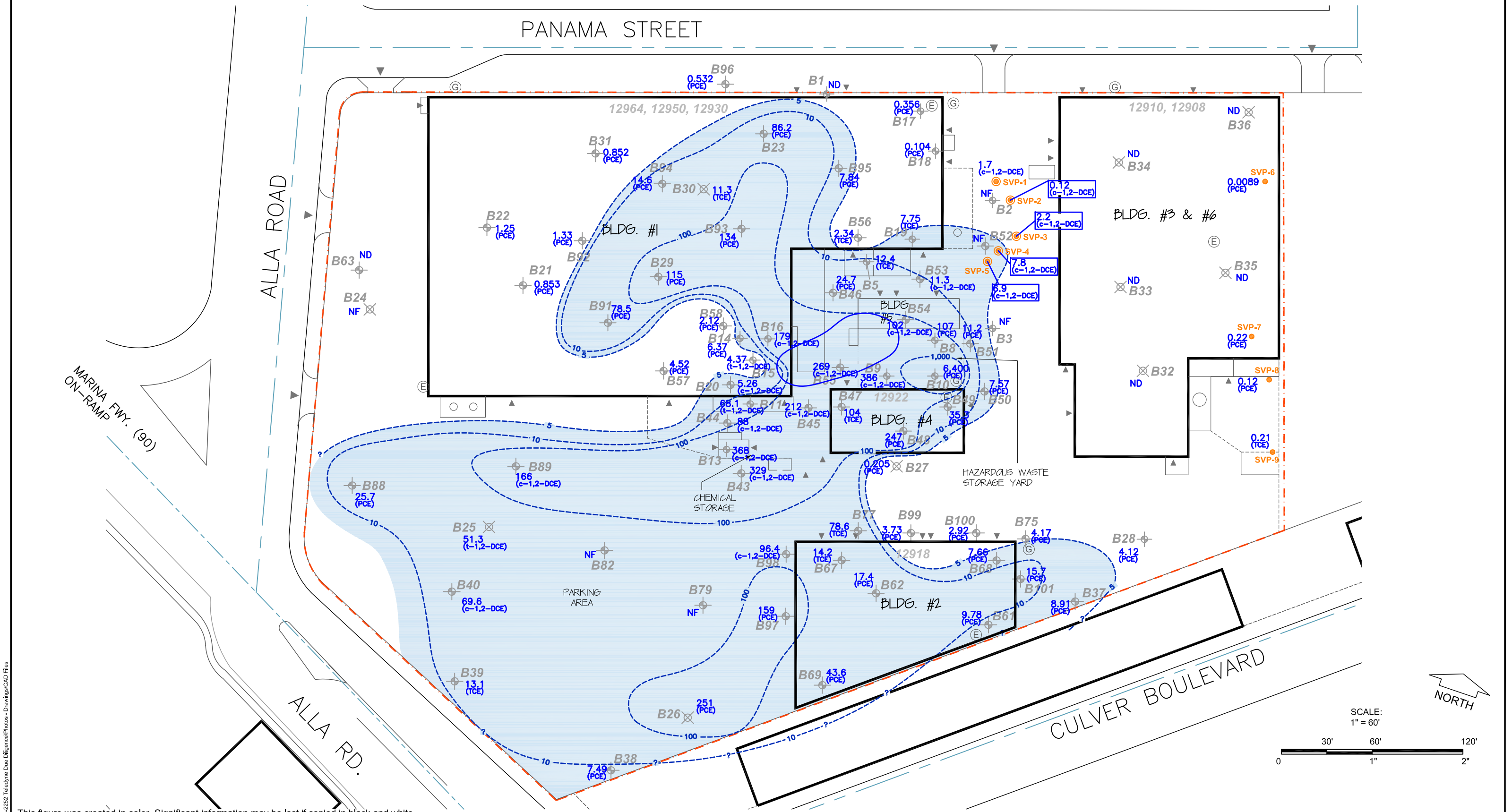
This figure was created in color. Significant information may be lost if copied in black and white.

FIGURE 6: Soil Type Cross Sections A-A' and B-B'

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: As Noted	DATE: Sept. 2013
SITE: Panama Street Site 12922 Panama Street Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- (E) Approximate Location of Utility Shut-off (Electrical)
- (G) Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Soil Vapor Boring Location
- Soil/Soil Vapor Boring Location
- Approximate Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014); Eastern Boundary
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014); Spill Area

6,400 (PCE) Maximum concentrations of VOC Chemicals of Concern detected in soil vapor samples collected between 4 and 10 feet bgs and presented in ug/L. Maximum detected VOC is identified in parentheses.

Estimated isoconcentration contour for VOCs detected in Soil Vapor between 4 and 10 feet bgs.

bgs below ground surface
ug/L micrograms per liter
CVOC Chlorinated Volatile Organic Compound
PCE Tetrachloroethylene
TCE Trichloroethylene
c-1,2-DCE cis-1,2-Dichloroethene
t-1,2-DCE trans-1,2-Dichloroethene
ND VOCs not detected above the laboratory reporting limits
NF No sample collected due to no flow sample conditions and have not been used for interpretation purposes.

NOTES:
All VOC results by EPA Method 8260B; except Geosyntec soil vapor VOC results by EPA Method TO-15.

FIGURE 7: Maximum CVOC Detected in Soil Vapor - Areas of Potential Concern

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

12910, 12908

12922

12918

BLDG. #1

BLDG. #3 & #6

BLDG. #5

BLDG. #4

BLDG. #2

HAZARDOUS WASTE STORAGE YARD

CHEMICAL STORAGE

PARKING AREA

B60A 13.8 (PCE)

B1A ND

GW2 (2.14) 0.79J (TCE)

B36A ND

B65A 3.15 (TCE)

B59A 26.6 (PCE)

B24A ND 0.980J (TCE)

B57A 4.54 (TCE)

B7A 121 (TCE)

B3A 0.360J (TCE)

B55A 72.9 (c-1,2-DCE)

B48A 67.5 (PCE)

B41A 40.6 (c-1,2,DCE)

B43A 131 (c-1,2-DCE)

B25A 81 (c-1,2-DCE)

B42A 75.9 (TCE)

B28A 0.57J (TCE)

GW1 (0.06) 44 (c-1,2-DCE)

B40A 140 (c-1,2-DCE)

B37A 1.13 (PCE)

B70A 6.63 (PCE)

GW3 (0.82)

B39A 9.18 (PCE)

B26A 36.8 (PCE)

B38A 120 (PCE)

125 (PCE)

ND

10

100

0.0040

0.20

0.40

0.60

0.80

1.00

1.20

1.40

1.60

1.80

2.00

SCALE: 1" = 60'

30' 60' 120'

1" 2"

NORTH

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- (E) Approximate Location of Utility Shut-off (Electrical)
- (G) Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Groundwater Monitoring Well Location
- Hydropunch Groundwater Boring Location
- Soil/Hydropunch Groundwater Boring Location
- (2.14) Groundwater elevation measured in feet above mean sea level (AMSL); measured 6-18-13
- 1.00 Groundwater Equipotential Surface Line (AMSL)
- 0.0040 Groundwater Flow Direction and Gradient
- 140 (c-1,2-DCE) Maximum PCE, TCE, or cis-1,2 DCE concentration detected in groundwater samples presented in ug/L. Maximum detected VOC is identified in parentheses.
- Estimated isoconcentration contour for VOCs detected in Groundwater
- ug/L micrograms per liter
- VOC Volatile Organic Compound
- PCE Tetrachloroethylene
- TCE Trichloroethylene
- c-1,2-DCE cis-1,2-Dichloroethene
- ND VOCs not detected above the laboratory reporting limits
- J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 8: Maximum VOC Detected in Groundwater - Areas of Potential Concern

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: May 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

12910, 12908

12918

BLDG. #1

BLDG. #2

BLDG. #3 & #6

BLDG. #4

BLDG. #5

PARKING AREA

CHEMICAL STORAGE

HAZARDOUS WASTE STORAGE YARD

B96 0.30J; B1 (NA); B64 ND; B17 ND; GW2 ND; B18 ND; B31 ND; B23 44; B95 2.7; B94 49; B22 ND; B63 ND; B21 2.12J; B92 1.3; B93 65; B29 84.4; B56 21.7; B19 ND; B65 (NA); B2 ND; SVP-1 (NA); SVP-2 (NA); B52 ND; SVP-3 (NA); SVP-4 (NA); SVP-5 (NA); B53 2.92J; 2.10J; B6 60; B5 110; B46 26.5; B54 107; 89.3; B3 ND; B7 7.88J; B8 316; B51 40,600; VA1; B91 77; B58 42.6; B14 43.4; B16 42.6; B15 84.6; B57 12.3; B20 18.1; B4 725; B55 ND; B47 77.6; B49 135; B50 36.1; B74 ND; B90 ND; B44 (NA); B11 133; 7.96J; B45; B12 59; 22.0J; B13; B48 27.2; B89 1.4; B88 46; B87 0.36J; 31.4 GW1; B83 0.79J; B43 (NA); 2.14J; B66; B78 32; B76 0.78J; B77 56; B99 ND; B100 6.1; B75 ND; B28 20.9; B98 31; B67 62; B82 0.64J; B68 11.5; B37 45.5; B101 37; B62 71.8; B40 ND; B79 2.5; B86 1.1; B97 58; B61 33.9; B70 286; B85 210; B39 84; B81 2.1; B73 210; B72 400; B69 102; GW3 2,960; B71 125; B84 9.5; B60 3,400; B38 302

KEY:

- PCE Concentration: ND to AF-SSL ug/kg
- PCE Concentration: AF-SSL to 100 ug/kg
- PCE Concentration: 100 to 1,000 ug/kg
- PCE Concentration: 1,000 to 10,000 ug/kg
- PCE Concentration: >10,000 ug/kg

SCALE: 1" = 60'

0 30' 1" 60' 2" 120'

NORTH

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Approximate Location of Utility Shut-off (Electrical)
- Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014)

- 40,600 PCE Soil Matrix Concentration (ug/kg) at 2.5 feet bgs
- 10,000 Estimated PCE Isoconcentration Contour in Soil Matrix at 2.5 feet bgs
- ND Estimated Extent of PCE Concentration at 2.5 feet bgs
- 30 PCE Isoconcentration Contour at AF-SSL of 30 ug/kg
- 700 PCE Isoconcentration Contour at ESL (Industrial) of 700 ug/kg
- bgs below ground surface
- ug/kg micrograms per kilogram
- AF-SSL Attenuation Factor, Soil Screening Level (Los Angeles Regional Water Quality Control Board - 1996 Guidance Document)

- ESL Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board)
- PCE Tetrachloroethylene
- ND PCE not detected above the laboratory reporting limits
- (NA) Soil Sample Not Analyzed at 2.5 feet bgs
- J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

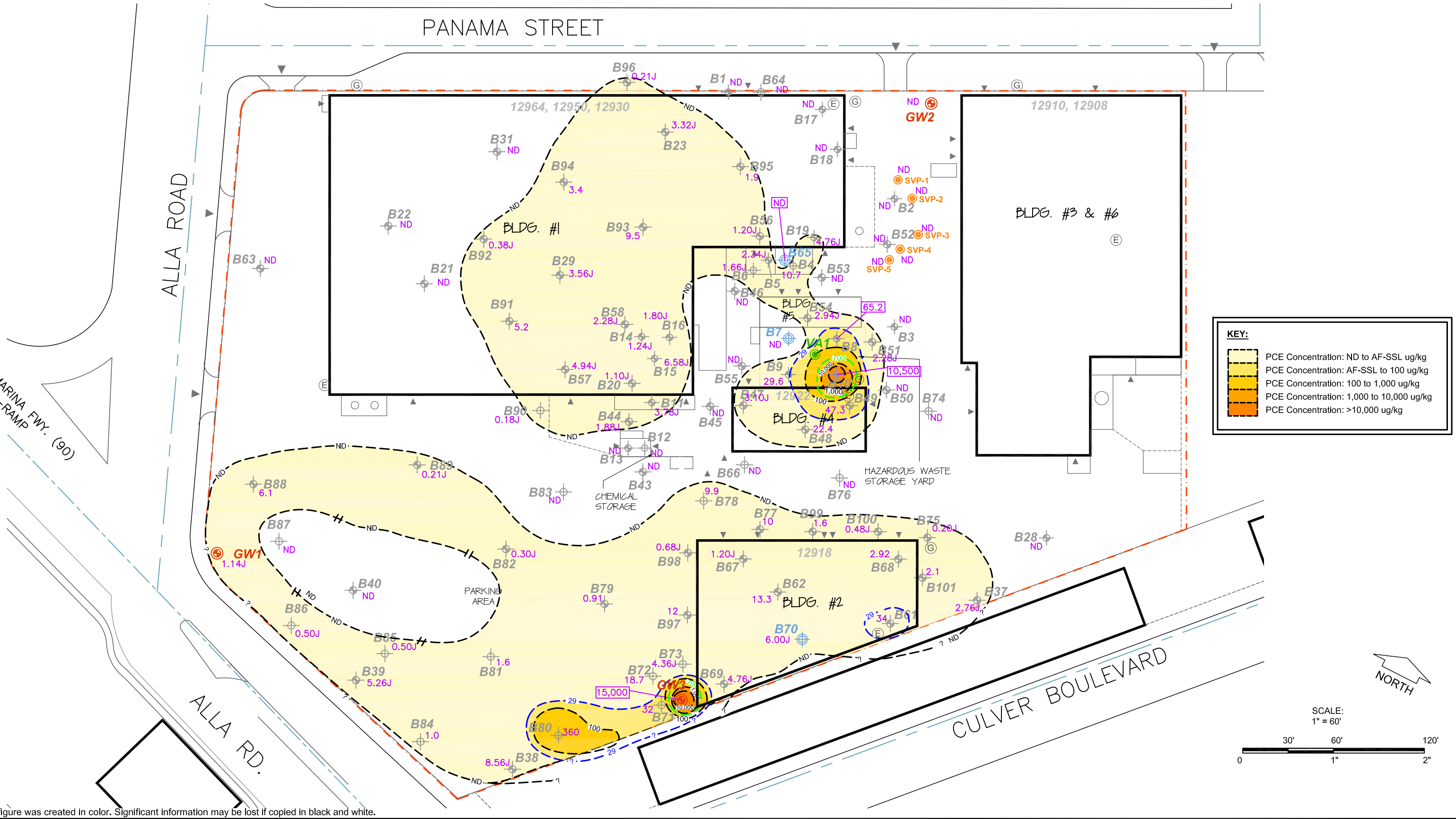
NOTE:
All VOC results by EPA Method 8260B.

FIGURE 9: Soil Matrix PCE Isoconcentration Contour Map - 2.5 feet bgs

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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LEGEND:

- Building Outline
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- 12964 Address Number on Panama Street
- (E) Approximate Location of Utility Shut-off (Electrical)
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- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014)

- 15,000 PCE Soil Matrix Concentration (ug/kg) at 5 feet bgs
- 1,000 Estimated PCE Isoconcentration Contour in Soil Matrix at 5 feet bgs
- ND Estimated Extent of PCE Concentration at 5 feet bgs
- 29 PCE Isoconcentration Contour at AF-SSL of 29 ug/kg
- 700 PCE Isoconcentration Contour at ESL (Industrial) of 700 ug/kg
- bgs below ground surface
- ug/kg micrograms per kilogram
- AF-SSL Attenuation Factor, Soil Screening Level (Los Angeles Regional Water Quality Control Board - 1996 Guidance Document)
- ESL Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board)
- PCE Tetrachloroethylene
- ND PCE not detected above the laboratory reporting limits
- J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 10: Soil Matrix PCE Isoconcentration Contour Map - 5 feet bgs

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

12910, 12908

12922

12918

BLDG. #1

BLDG. #2

BLDG. #3 & #6

BLDG #4

BLDG #5

PARKING AREA

CHEMICAL STORAGE

HAZARDOUS WASTE STORAGE YARD

B1 ND; B2 (NA); B3 (NA); B4 (NA); B5 (NA); B6 (NA); B7 (NA); B8 (NA); B9 (NA); B10 (NA); B11 (NA); B12 (NA); B13 1.12J; B15 (NA); B16 ND; B17 (NA); B18 (NA); B19 (NA); B20 ND; B21 ND; B22 ND; B23 ND; B28 (NA); B29 4.12J; B31 ND; B37 (NA); B38 (NA); B39 (NA); B40 (NA); B43 20; B44 3.44J; B45 (NA); B46 (NA); B47 (NA); B48 (NA); B49 1.64J; B50 (NA); B51 (NA); B52 (NA); B53 (NA); B54 (NA); B55 (NA); B56 (NA); B57 (NA); B58 (NA); B61 (NA); B62 (NA); B63 (NA); B64 ND; B65 2.48J; B66 ND; B67 2.82J; B68 (NA); B69 24.7; B70 5.02J; B71 324; B72 31.2; B73 29.6; B74 0.33J; B75 0.97; B76 0.36J; B77 12; B78 20; B79 2.2; B80 110; B81 4.7; B82 0.70J; B83 0.84; B84 5.8; B85 3.6; B86 0.29J; B87 0.23J; B88 11; B89 1.2; B90 0.40J; B91 6.3; B92 ND; B93 16; B94 2.9; B95 1.2; B97 8.0; B98 1.2; B99 1.5; B100 1.5; B101 3.9; GW1 2.32J; GW2 ND; GW3 75.4; VA1 45.7

SVP-1 ND; SVP-2 ND; SVP-3 ND; SVP-4 ND; SVP-5 ND

KEY:

PCE Concentration: ND to AF-SSL ug/kg
PCE Concentration: AF-SSL to 100 ug/kg
PCE Concentration: >100 ug/kg

SCALE: 1" = 60'

30' 60' 120'

0 1" 2"

NORTH

This figure was created in color. Significant information may be lost if copied in black and white.

LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- (E) Approximate Location of Utility Shut-off (Electrical)
- (G) Approximate Location of Utility Shut-off (Gas)
- ▼ Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014)

- 324 PCE Soil Matrix Concentration (ug/kg) at 10 feet bgs
- 100 Estimated PCE Isoconcentration Contour in Soil Matrix at 10 feet bgs
- ND Estimated Extent of PCE Concentration at 10 feet bgs
- 20 PCE Isoconcentration Contour at AF-SSL of 20 ug/kg
- bgs below ground surface
- ug/kg micrograms per kilogram
- PCE Tetrachloroethylene
- AF-SSL Attenuation Factor, Soil Screening Level (Los Angeles Regional Water Quality Control Board - 1996 Guidance Document)

- ND PCE not detected above the laboratory reporting limits
- (NA) Soil Sample Not Analyzed at 10 feet bgs
- J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 11: Soil Matrix PCE Isoconcentration Contour Map - 10 feet bgs

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807
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PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

12910, 12908

12922

12918

BLDG. #1

BLDG. #2

BLDG. #3 & #6

BLDG. #4

BLDG. #5

PARKING AREA

CHEMICAL STORAGE

HAZARDOUS WASTE STORAGE YARD

KEY:

- TCE Concentration: ND to AF-SSL ug/kg
- TCE Concentration: AF-SSL to 100 ug/kg
- TCE Concentration: 100 to 1,000 ug/kg
- TCE Concentration: >1,000 ug/kg

SCALE: 1" = 60'

NORTH

0 30' 60' 120'

0 1" 2"

This figure was created in color. Significant information may be lost if copied in black and white.

LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- (E) Approximate Location of Utility Shut-off (Electrical)
- (G) Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014)

- 1,200 TCE Soil Matrix Concentration (ug/kg) at 2.5 feet bgs
- —100— Estimated TCE Isoconcentration Contour in Soil Matrix at 2.5 feet bgs
- — ND — Estimated Extent of TCE Concentration at 2.5 feet bgs
- —30— TCE Isoconcentration Contour at AF-SSL of 30 ug/kg
- —460— TCE Isoconcentration Contour at ESL of 460 ug/kg
- bgs below ground surface
- ug/kg micrograms per kilogram
- AF-SSL Attenuation Factor, Soil Screening Level (Los Angeles Regional Water Quality Control Board - 1996 Guidance Document)
- ESL Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board)
- TCE Trichloroethylene
- ND TCE not detected above the laboratory reporting limits
- (NA) Soil Sample Not Analyzed at 2.5 feet bgs
- J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 12: Soil Matrix TCE Isoconcentration Contour Map - 2.5 feet bgs

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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Rev. Sep. 11, 2013

PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

BLDG. #1

12910, 12908

BLDG. #3 & #6

BLDG. #5

12922

BLDG. #4

12918

BLDG. #2

PARKING AREA

CHEMICAL STORAGE

HAZARDOUS WASTE STORAGE YARD

B96 ND; B1; B64 ND; B17 ND; GW2 ND; B31 ND; B23 ND; B18 ND; B94 ND; B95 0.77J; SVP-1 ND; SVP-2 ND; B2; B22 ND; B93 ND; B56 3.76J; B19 9.26J; B52 ND; SVP-3 ND; SVP-4 ND; SVP-5 ND; B92 ND; B65 5.10J; B4 4.6J; B53 1.38J; B63 ND; B21 ND; B29 ND; B6; B5; B46 2.20J; B91 ND; B58 ND; B16 2.78J; B14 ND; B54 4.28J; B7 ND; VA1; B8 4.32J; B3 1.24J; B51; B57 ND; B15 2.70J; B9 2.56J; B55 11.3; B10 5.4; B20 ND; B11 3.46J; B47 15.1; B49 6.22J; B50 ND; B74 ND; B90 ND; B44 2.32J; B45 5.05J; B12 ND; B48 8.46J; B13 ND; B66 ND; B89 2.6; B88 1.7J; B83 0.90J; B43 1.28J; B78 24; B76 ND; B77 8.7; B99 0.74J; B100 ND; B75 ND; B28 ND; B87 0.58; 1.78J GW1; B82 5.7; B98 2.1; B67 1.26J; B68 ND; B101 ND; B37 ND; B40 2.34J; B79 6.2; B62 4.86J; B86 3.9; B97 6.6; B61 1.80J; B70 ND; B85 4.4; B73 ND; B72 ND; B69 ND; B39 7.48J; B81 8.4; GW3 29 100; B71 ND; B84 0.56J; B80 1.5J; B38 ND; 230

2.34J; 31.4

KEY:
- TCE Concentration: ND to AF-SSL ug/kg
- TCE Concentration: AF-SSL to 100 ug/kg
- TCE Concentration: >100 ug/kg

NORTH

SCALE:
1" = 60'

30' 60' 120'
0 1" 2"

This figure was created in color. Significant information may be lost if copied in black and white.

LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Ⓔ Approximate Location of Utility Shut-off (Electrical)
- Ⓖ Approximate Location of Utility Shut-off (Gas)
- ▼ Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014)

230 TCE Soil Matrix Concentration (ug/kg) at 5 feet bgs
100 Estimated TCE Isoconcentration Contour in Soil Matrix at 5 feet bgs
ND Estimated Extent of TCE Concentration at 5 feet bgs
29 TCE Isoconcentration Contour at AF-SSL of 29 ug/kg
bgs below ground surface
ug/kg micrograms per kilogram
TCE Trichloroethylene
ND TCE not detected above the laboratory reporting limits

AF-SSL Attenuation Factor, Soil Screening Level (Los Angeles Regional Water Quality Control Board - 1996 Guidance Document)

J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 13: Soil Matrix TCE Isoconcentration Contour Map - 5 feet bgs

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

12910, 12908

12922

12918

BLDG. #1

BLDG. #2

BLDG. #3 & #6

BLDG #4

BLDG #5

PARKING AREA

CHEMICAL STORAGE

ND HAZARDOUS WASTE STORAGE YARD

B96 ND
B1 ND
B64 ND
B17 (NA)
GW2 ND
B23 ND
B31 ND
B18 (NA)
B95 0.59J
B94 ND
SVP-1 ND
SVP-2 ND
B2 (NA)
B22 ND
3.58J
B56 (NA)
B19 (NA)
B52 (NA)
SVP-3 ND
SVP-4 ND
SVP-5 ND
B93 ND
B92 ND
B65 6.50J
B4 (NA)
B53 (NA)
B63 (NA)
B21 ND
B29 ND
B6 (NA)
B5 (NA)
B46 (NA)
B91 ND
B54 (NA)
B58 (NA)
B16 ND
B7 (NA)
VA1 3.94J
B3 (NA)
B14 (NA)
B8 (NA)
B51 (NA)
B15 (NA)
B9 (NA)
B57 (NA)
B20 ND
B55 (NA)
B10 (NA)
B47 (NA)
B49 ND
B50 (NA)
B74 0.23J
B11 (NA)
B90 0.36J
B45 (NA)
B48 (NA)
B44 3.24J
B12 (NA)
B13 (NA)
2.32J
2.8J
B66
B89 5.2
B88 1.9J
B83 2.8
B43
B78 40
B76
B77 7.8
B99 1.2J
B100 ND
B75 ND
B28 (NA)
B87 1.3J
GW1 1.88J
B82 6.8
B98 3.5
B67 3.16J
B68 (NA)
0.35J
B101
B37 (NA)
B40 (NA)
B79 10
B62 (NA)
B86 3.0
B97 2.1
B61 (NA)
B70 ND
B85 13
B73
B81 16
B39 (NA)
B72 ND
B69 ND
GW3 5.20J
B71 ND
B84 3.7J
B80 0.91J
B38 (NA)

KEY:
TCE Concentration: ND to AF-SSL ug/kg
TCE Concentration: >AF-SSL ug/kg

NORTH

SCALE:
1" = 60'
0 30' 60' 120'
1" 2"

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Approximate Location of Utility Shut-off (Electrical)
- Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014)
- 40 TCE Soil Matrix Concentration (ug/kg) at 10 feet bgs
- 10 Estimated TCE Isoconcentration Contour in Soil Matrix at 10 feet bgs
- ND Estimated Extent of TCE Concentration at 10 feet bgs
- 20 TCE Isoconcentration Contour at AF-SSL of 20 ug/kg
- bgs below ground surface
- ug/kg micrograms per kilogram
- TCE Trichloroethylene
- ND TCE not detected above the laboratory reporting limits
- (NA) Soil Sample Not Analyzed at 10 feet bgs
- AF-SSL Attenuation Factor, Soil Screening Level (Los Angeles Regional Water Quality Control Board - 1996 Guidance Document)
- J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 14: Soil Matrix TCE Isoconcentration Contour Map - 10 feet bgs

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

ALTA ENVIRONMENTAL
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PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

BLDG. #1

BLDG. #5

BLDG. #4

12910, 12908

BLDG. #3 & #6

12918

BLDG. #2

PARKING AREA

HAZARDOUS WASTE STORAGE YARD

CHEMICAL STORAGE

GW1 120

GW2 ND

GW3 ND

B1 (NA)
B2 8.24J
B3 8.64J
B4 ND
B5 ND
B6 ND
B7 204
B8 4.18J
B9 1,190
B10 59.2
B11 238
B12 4,120
B13 (NA)
B14 ND
B15 162
B17 ND
B18 ND
B19 ND
B20 6.10J
B21 ND
B22 ND
B23 ND
B28 ND
B29 ND
B31 ND
B36 2.2
B37 ND
B38 ND
B39 94
B40 54
B43 920
B45 32
B46 ND
B48 3.00J
B49 ND
B50 ND
B51 2.5
B52 24.4
B53 132
B55 ND
B56 ND
B57 ND
B58 ND
B61 ND
B62 ND
B63 ND
B64 ND
B65 1,810
B66 ND
B67 7.38J
B68 ND
B69 ND
B70 ND
B71 ND
B72 ND
B73 ND
B74 ND
B75 ND
B76 ND
B77 2.1
B78 19
B79 46
B80 ND
B82 130
B83 920
B84 ND
B85 1,200
B86 130
B87 40
B88 50
B89 94
B90 ND
B91 ND
B92 ND
B93 ND
B94 ND
B95 ND
B96 ND
B97 1.7
B98 78
B99 ND
B100 ND
B101 ND

SVP-1 (NA)
SVP-2 (NA)
SVP-3 (NA)
SVP-4 (NA)
SVP-5 (NA)

ND
36
100
190
1,000
4,300
13.4
108
1,810
2.84J
132
204
2.5
59.2
3.00J
1.7
7.38J
24.4
8.24J
4.18J
8.64J
2.1
1.2
1,200
32
2.2

KEY:

- cis-1,2-DCE Concentration: ND to AF-SSL
- cis-1,2-DCE Concentration: AF-SSL to 100 ug/kg
- cis-1,2-DCE Concentration: 100 to 1,000 ug/kg
- cis-1,2-DCE Concentration: >1,000 ug/kg

NORTH

SCALE: 1" = 60'

0 30' 60' 120'

1" 2"

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- (E) Approximate Location of Utility Shut-off (Electrical)
- (G) Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014)

- 4,300 cis-1,2-DCE Soil Matrix Concentration (ug/kg) at 2.5 feet bgs
- 1,000 Estimated cis-1,2-DCE Isoconcentration Contour in Soil Matrix at 2.5 feet bgs
- ND Estimated Extent of cis-1,2-DCE Concentration at 2.5 feet bgs
- 36 cis-1,2-DCE Isoconcentration Contour at AF-SSL of 36 ug/kg
- 190 cis-1,2-DCE Isoconcentration Contour at ESL of 190 ug/kg
- cis-1,2-DCE cis-1,2-Dichloroethene
- ND cis-1,2-DCE not detected above the laboratory reporting limits
- (NA) Soil Sample Not Analyzed at 2.5 feet bgs
- bgs below ground surface
- ug/kg micrograms per kilogram

- AF-SSL Attenuation Factor, Soil Screening Level (Los Angeles Regional Water Quality Control Board - 1996 Guidance Document)
- ESL Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board)
- J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 15: Soil Matrix cis-1,2-DCE Isoconcentration Contour Map - 2.5 feet bgs

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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Rev. Jul. 22, 2014

PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

12910, 12908

12922

12918

BLDG. #1

BLDG. #2

BLDG. #3 & #6

BLDG. #4

BLDG. #5

PARKING AREA

CHEMICAL STORAGE

HAZARDOUS WASTE STORAGE YARD

GW1 10.5

GW2 ND

GW3 ND

SVP-1 ND

SVP-2 ND

SVP-3 ND

SVP-4 1.9

SVP-5 4.1

B1 ND
B2 ND
B3 ND
B4 2.8
B5 69
B6 580
B7 107
B8 0.73J
B9 ND
B10 420
B11 49.7
B12 55.2
B13 93.2
B14 25.3
B15 ND
B16 ND
B17 ND
B18 ND
B19 ND
B20 9.48J
B21 ND
B22 ND
B23 ND
B26 ND
B27 ND
B28 ND
B29 ND
B31 ND
B37 ND
B38 ND
B39 2.52J
B40 21.4
B43 45
B44 ND
B45 ND
B46 ND
B47 ND
B48 4.94J
B49 ND
B50 ND
B51 ND
B52 3.10J
B53 ND
B54 ND
B55 ND
B56 ND
B57 ND
B58 ND
B61 ND
B62 ND
B63 ND
B65 ND
B66 ND
B67 ND
B68 ND
B69 ND
B70 ND
B71 ND
B72 ND
B73 ND
B74 ND
B75 ND
B76 ND
B77 1.8
B78 15
B79 64
B80 ND
B81 4.3
B82 45
B83 29
B84 ND
B85 32
B86 11
B87 16
B88 10
B89 26
B90 ND
B91 ND
B92 ND
B93 ND
B94 ND
B95 ND
B96 ND
B97 1.6
B98 13
B99 ND
B100 ND
B101 ND

KEY:
- cis-1,2-DCE Concentration: ND to AF-SSL ug/kg
- cis-1,2-DCE Concentration: AF-SSL to 100 ug/kg
- cis-1,2-DCE Concentration: >100 ug/kg

NORTH

SCALE:
1" = 60'

30' 60' 120'
0 1" 2"

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LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Approximate Location of Utility Shut-off (Electrical)
- Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014)

- 580 cis-1,2-DCE Soil Matrix Concentration (ug/kg) at 5 feet bgs
- 100 / ND Estimated Extent of cis-1,2-DCE Concentration in Soil Matrix at 5 feet bgs
- 35 cis-1,2-DCE Isoconcentration Contour at AF-SSL of 35 ug/kg
- 190 cis-1,2-DCE Isoconcentration Contour at ESL of 190 ug/kg
- cis-1,2-DCE cis-1,2-Dichloroethene
- ND cis-1,2-DCE not detected above the laboratory reporting limits
- bgs below ground surface
- ug/kg micrograms per kilogram
- AF-SSL Attenuation Factor, Soil Screening Level (Los Angeles Regional Water Quality Control Board - 1996 Guidance Document)
- ESL Environmental Screening Level (San Francisco Bay Regional Water Quality Control Board)
- J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 16: Soil Matrix cis-1,2-DCE Isoconcentration Contour Map - 5 feet bgs

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

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PANAMA STREET

ALLA ROAD

MARINA FWY. (90) ON-RAMP

ALLA RD.

CULVER BOULEVARD

12964, 12950, 12930

BLDG. #1

12910, 12908

BLDG. #3 & #6

BLDG. #5

12922

BLDG. #4

12918

BLDG. #2

PARKING AREA

CHEMICAL STORAGE

HAZARDOUS WASTE STORAGE YARD

B96 ND; B1 ND; B64 ND; B17 (NA); B23 ND; B31 ND; B18 (NA); B94 ND; B95 ND; B22 ND; B93 ND; B56 (NA); B19 (NA); B92 ND; B63 (NA); B21 ND; B29 ND; B65 ND; B4 (NA); B53 (NA); B6 (NA); B5 (NA); B46 (NA); B91 ND; B58 (NA); B54 (NA); B16 3.4J; B14 (NA); B7 (NA); B3 (NA); B38 (NA); B51 (NA); B57 (NA); B15 (NA); B9 (NA); B55 (NA); B10 (NA); B20 ND; B11 (NA); B47 (NA); B49 ND; B50 (NA); B74 ND; B90 ND; B45 (NA); B48 (NA); B66 ND; B76; B88 4.3; B89 21; B83 7.1; B43 30; B78 10; B87 23; B82 33; B40 (NA); B79 78; B86 8.5; B85 8.6; B39 (NA); B81 4.3; B84 ND; B80 ND; B38 (NA); B77 1.2; B99 ND; B100 ND; B75 ND; B28 (NA); B98 9.9; B67 ND; B68 N/A; B62 (NA); B101 ND; B37 (NA); B97 1.4; B61 (NA); B70 ND; B73 ND; B72 ND; B69 ND; B71 ND

GW1 2.18J; GW2 ND; GW3 ND

SVP-1 ND; SVP-2 ND; SVP-3 1.3; SVP-4 4.4; SVP-5 3.9

VA1 11.1

46.2; 24; ND; ?

KEY:

cis-1,2-DCE Concentration: ND to AF-SSL ug/kg

cis-1,2-DCE Concentration: >AF-SSL

SCALE: 1" = 60'

0 30' 60' 120'

1" 2"

NORTH

This figure was created in color. Significant information may be lost if copied in black and white.

LEGEND:

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Approximate Location of Utility Shut-off (Electrical)
- Approximate Location of Utility Shut-off (Gas)
- Approximate Location of Access Point
- Vertical Assessment Boring Location
- Groundwater Monitoring Well Location
- Soil Boring Location
- Soil/Soil Vapor Boring Location
- Hydropunch/Soil Boring Location
- Approximate Soil/Soil Vapor Boring Location - Installed by Geosyntec Consultants (May, 2014)
- 46.2 cis-1,2-DCE Soil Matrix Concentration (ug/kg) at 10 feet bgs
- ND Estimated Extent of cis-1,2-DCE Concentration at 10 feet bgs
- 24 cis-1,2-DCE Isoconcentration Contour at AF-SSL of 24 ug/kg
- bgs below ground surface
- ug/kg micrograms per kilogram
- cis-1,2-DCE cis-1,2-Dichloroethene
- ND cis-1,2-DCE not detected above the laboratory reporting limits
- (NA) Soil Sample Not Analyzed at 10 feet bgs
- AF-SSL Attenuation Factor, Soil Screening Level (Los Angeles Regional Water Quality Control Board - 1996 Guidance Document)
- J Analyte detected; however concentration is an estimated value between the method detection limit (MDL) and practical quantitation limit (PQL)

NOTES:
All VOC results by EPA Method 8260B.

FIGURE 17: Soil Matrix cis-1,2-DCE Isoconcentration Contour Map - 10 feet bgs

CLIENT: McGuireWoods, LLP	DRAWN: KAD	APPRV.: JB
	SCALE: 1" = 60'	DATE: Aug. 2013
SITE: Panama Street Site, 12922 Panama Street, Los Angeles, California 90066		
ALTA PROJ. NO.: MCGU-13-2252		

ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg, Long Beach CA 90807
P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ altaenviron.com

W:\Clients H-M\McGuire Woods (MCGU)\MCGU-13-2252 Telestone Due Diligence\Photos - Drawings\CAD Files

APPENDIX A

Los Angeles County Department of Public Health Permits

ENVIRONMENTAL HEALTH

Drinking Water Program

5050 Commerce Drive, Baldwin Park, CA 91706
Telephone: (626) 430-5420 • Facsimile: (626) 813-3013 • Email: waterquality@ph.lacounty.gov
http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm

COUNTY OF LOS ANGELES
Public Health

Well Permit Approval

TO BE COMPLETED BY APPLICANT:

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS FOR WELL PERMIT APPROVAL
12908-12964 Panama Street	Los Angeles	90066	jonathan.barkman@altaenviron.com

NOTICE:

- WORK PLAN APPROVALS ARE VALID FOR 180 DAYS. 30 DAY EXTENSIONS OF WORK PLAN APPROVALS ARE CONSIDERED ON AN INDIVIDUAL (CASE-BY-CASE) BASIS AND MAY BE SUBJECT TO ADDITIONAL PLAN REVIEW FEES (HOURLY RATE AS APPLICABLE).
- WORK PLAN MODIFICATIONS MAY BE REQUIRED IF WELL AND GEOLOGIC CONDITIONS ENCOUNTERED AT THE SITE INSPECTION ARE FOUND TO DIFFER FROM THE SCOPE OF WORK PRESENTED TO THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- THIS WELL PERMIT APPROVAL IS LIMITED TO COMPLIANCE WITH THE CALIFORNIA WELL STANDARDS AND THE LOS ANGELES COUNTY CODE AND DOES NOT GRANT ANY RIGHTS TO CONSTRUCT, RENOVATE, OR DECOMMISSION ANY WELL. THE APPLICANT IS RESPONSIBLE FOR SECURING ALL OTHER NECESSARY PERMITS SUCH AS WATER RIGHTS, PROPERTY RIGHTS, COASTAL COMMISSION APPROVALS, USE COVENANTS, ENCROACHMENT PERMISSIONS, UTILITY LINE SETBACKS, CITY/COUNTY PUBLIC WORKS RIGHTS OF WAY, ETC.
- ALL FIELD WORK MUST BE CONDUCTED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL GEOLOGIST LICENSED IN THE STATE OF CALIFORNIA.
- THIS PERMIT IS NOT COMPLETE UNTIL ALL OF THE FOLLOWING REQUIREMENTS ARE SIGNED BY THE DEPUTY HEALTH OFFICER. WORK SHALL NOT BE INITIATED WITHOUT A WORK PLAN APPROVAL STAMPED BY THE DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM.
- **NOTIFY THE DRINKING WATER PROGRAM BY EMAIL 3 BUSINESS DAYS BEFORE WORK IS SCHEDULED TO BEGIN.**

TO BE COMPLETED BY DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM:

☐ WORK PLAN INCOMPLETE; SUBMIT THE FOLLOWING:

☒ WORK PLAN APPROVED

Los Angeles County Drinking Water Stamp

REGISTERED ENVIRONMENTAL HEALTH SPECIALIST — COUNTY OF LOS ANGELES — CALIFORNIA

REHS NO.

DATE: 04/23/2013

ADDITIONAL APPROVAL CONDITIONS:

Permit #892700-1-8 Eight soil borings.
Observe work plan submitted, and maintain all
set-backs. All field work must be conducted by or under
The direct supervision of a licensed Professional/
Geologist / Engineer in the state of California.
Please notify 48 hours. Prior to start field work
ajuarez@ph.lacounty.gov 213-760-9742

☐ ANNULAR SEAL FINAL INSPECTION REQUIRED		☐ WELL COMPLETION LOG REQUIRED	
DATE ACCEPTED:	REHS signature	DATE ACCEPTED:	REHS signature
☐ WATER QUALITY—BACTERIOLOGICAL STANDARDS REQUIRED		☐ WATER QUALITY—CHEMICAL STANDARDS REQUIRED	
DATE ACCEPTED:	REHS signature	DATE ACCEPTED:	REHS signature
☐ WATER SUPPLY YIELD REQUIRED		☐ OTHER REQUIREMENT	
DATE ACCEPTED:	REHS signature	DATE ACCEPTED:	REHS signature

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ENVIRONMENTAL HEALTH

Drinking Water Program

County of Los Angeles Public Health

5050 Commerce Drive, Baldwin Park, CA 91706
Telephone: (626) 430-5420 • Facsimile: (626) 813-3013 • Email: waterquality@ph.lacounty.gov
http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm

Well Permit Approval

TO BE COMPLETED BY APPLICANT:

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS FOR WELL PERMIT APPROVAL
12908-12964 Panama Street	Los Angeles	90066	jonathan.barkman@altaenviron.com

NOTICE:

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- **NOTIFY THE DRINKING WATER PROGRAM BY EMAIL 3 BUSINESS DAYS BEFORE WORK IS SCHEDULED TO BEGIN.**

Juan Rodriguez 626-430-5386 or jurodriguez@ph.lacounty.gov

TO BE COMPLETED BY DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM:

☐ WORK PLAN INCOMPLETE; SUBMIT THE FOLLOWING:

☑ WORK PLAN APPROVED

DATE: 5-24-13

Los Angeles County Drinking Water stamp

REHS NO: 6330

Juan Rodriguez

ADDITIONAL APPROVAL CONDITIONS:

On 5-16-13 $1,560 was paid for Permit# 892200 to advance 12 hydropunch locations.

☐ ANNULAR SEAL FINAL INSPECTION REQUIRED

DATE ACCEPTED: REHS signature

☐ WELL COMPLETION LOG REQUIRED

DATE ACCEPTED: REHS signature

☐ WATER QUALITY—BACTERIOLOGICAL STANDARDS REQUIRED

DATE ACCEPTED: REHS signature

☐ WATER QUALITY—CHEMICAL STANDARDS REQUIRED

DATE ACCEPTED: REHS signature

☐ WATER SUPPLY YIELD REQUIRED

DATE ACCEPTED: REHS signature

☐ OTHER REQUIREMENT

DATE ACCEPTED: REHS signature

ENVIRONMENTAL HEALTH

Drinking Water Program

5050 Commerce Drive, Baldwin Park, CA 91706
Telephone: (626) 430-5420 • Facsimile: (626) 813-3013 • Email: waterquality@ph.lacounty.gov
http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm

County of Los Angeles Public Health

Well Permit Approval

TO BE COMPLETED BY APPLICANT:

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS FOR WELL PERMIT APPROVAL
12908-12964 Panama Street	Los Angeles	90066	jonathan.barkman@altaenviron.com

NOTICE:

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- **NOTIFY THE DRINKING WATER PROGRAM BY EMAIL 3 BUSINESS DAYS BEFORE WORK IS SCHEDULED TO BEGIN.**

Juan Rodriguez 626-430-5386 or jurodriguez@ph.lacounty.gov

TO BE COMPLETED BY DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM:

☐ WORK PLAN INCOMPLETE; SUBMIT THE FOLLOWING:

☑ WORK PLAN APPROVED DATE: 5-24-13

Los Angeles County Drinking Water stamp

ADDITIONAL APPROVAL CONDITIONS:

on 5-16-13 $ 1,557.00 was paid for Permit # 892700 to install 3 monitoring wells.

REHS NO. 6330

Juan Rodriguez

☐ ANNULAR SEAL FINAL INSPECTION REQUIRED

DATE ACCEPTED: REHS signature

☐ WELL COMPLETION LOG REQUIRED

DATE ACCEPTED: REHS signature

☐ WATER QUALITY—BACTERIOLOGICAL STANDARDS REQUIRED

DATE ACCEPTED: REHS signature

☐ WATER QUALITY—CHEMICAL STANDARDS REQUIRED

DATE ACCEPTED: REHS signature

☐ WATER SUPPLY YIELD REQUIRED

DATE ACCEPTED: REHS signature

☐ OTHER REQUIREMENT

DATE ACCEPTED: REHS signature

ENVIRONMENTAL HEALTH

Drinking Water Program

COUNTY OF LOS ANGELES
Public Health

5050 Commerce Drive, Baldwin Park, CA 91706
Telephone: (626) 430-5420 • Facsimile: (626) 813-3013 • Email: waterquality@ph.lacounty.gov
http://publichealth.lacounty.gov/eh/ep/dw/dw_main.htm

Well Permit Approval

TO BE COMPLETED BY APPLICANT:

WORK SITE ADDRESS	CITY	ZIP	EMAIL ADDRESS FOR WELL PERMIT APPROVAL
12908-12964 Panama Street	Los Angeles	90066	jonathan.barkman@altaenviron.com

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- **NOTIFY THE DRINKING WATER PROGRAM BY EMAIL 3 BUSINESS DAYS BEFORE WORK IS SCHEDULED TO BEGIN.**

blarsen@ph.lacounty.gov (818) 902-4450

TO BE COMPLETED BY DEPARTMENT OF PUBLIC HEALTH—DRINKING WATER PROGRAM:

☐ WORK PLAN INCOMPLETE; SUBMIT THE FOLLOWING:	☑ WORK PLAN APPROVED	DATE: 6/7/13
	Los Angeles County Drinking Water Program	ADDITIONAL APPROVAL CONDITIONS:

R.E.H.S. NO: 5838

On 6/3/13 $130.00 was paid for permit #892700 to install 1 cpt/hydropunch soil boring into ground water. Follow the work plan submitted. Observe the setbacks.

☐ ANNULAR SEAL FINAL INSPECTION REQUIRED		☐ WELL COMPLETION LOG REQUIRED	
DATE ACCEPTED:	REHS signature	DATE ACCEPTED:	REHS signature
☐ WATER QUALITY—BACTERIOLOGICAL STANDARDS REQUIRED		☐ WATER QUALITY—CHEMICAL STANDARDS REQUIRED	
DATE ACCEPTED:	REHS signature	DATE ACCEPTED:	REHS signature
☐ WATER SUPPLY YIELD REQUIRED		☐ OTHER REQUIREMENT	
DATE ACCEPTED:	REHS signature	DATE ACCEPTED:	REHS signature

APPENDIX B

Boring Logs

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 13 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B1
DATE DRILLED 4/26/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 11
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	FILL		1/4" Nylaflow Tubing (typical)		**Grass**
1045		B1-2.5			CH		Dry granular bentonite (typical)	0.0	**Fat Clay**, dark brown, no odor, moist, 90% clay, 10% sand
1050		B1-5		5			Sand pack (#3 Sand - typical)	0.0	
							Seal (hydrated bentonite chips - typical)		
					CH				**Fat Clay with Sand**, dark brown with black streaking, no odor, moist, 75% clay, 25% sand
1055		B1-10		10			1/4" Soil-gas implant (typical)	0.0	
					SC				**Clayey Sand**, wet, dark brown, no odor, 60% fine grained sand, 40% clay
				15					Boring terminated at 13' bgs. Groundwater encountered at 11' bgs.
				20					

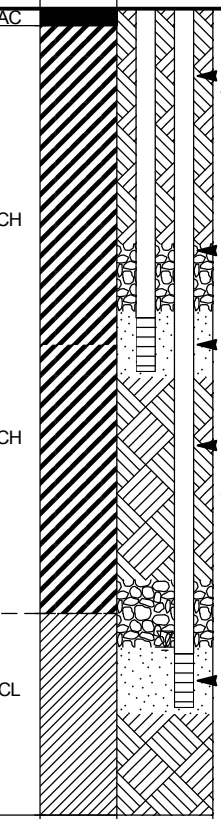
WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 12 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B3
DATE DRILLED 4/22/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 9.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	DEPTH (BGS)	U.S.C.S.	PID (ppm)	LITHOLOGIC DESCRIPTION
			AC			3" Concrete
1025		B3-2.5		CH	0.0	**Sandy Fat Clay**, damp, slight odor, dark grey, 70% clay, 30% coarse grained sand
1027		B3-5	5	CH	0.0	Same as above, no odor
1029		B3-10	10	CL	0.0	**Sandy Lean Clay**, dark grey, no odor, wet, 60% clay, 40% fine grained sand
						Boring terminated at 12' bgs. Groundwater encountered at 9.5' bgs.
			15			
			20			



WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push/Hydro-Punch
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 13 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B7
DATE DRILLED 4/26/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 11.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				3" Concrete
1200		B7-2.5						0.0	
				5	CH				**Fat Clay**, dark grey with streaks of brown, no odor, 90% clay, 10% sand
1205		B7-5						0.0	
				10	ML		▽		**Sandy Silt with Gravel**, dark brown, moist, no odor, 15% gravel
1210		B7-10			SM			0.0	**Silty Sand**, poorly graded fine grained sand, 85% sand, 15% fines, dark brown, wet
				15					Boring terminated at 13' bgs. Groundwater encountered at 11.5' bgs Groundwater samples collected using hydropunch sampling tool with screened section at 9-13' bgs.
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 12 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B18
DATE DRILLED 5/01/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 8.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	DEPTH (BGS)	U.S.C.S.	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
			0	AC	1/4" Nylaflow Tubing (typical)		**5" Concrete**
				FILL			**Fill**, 80% silt, 20% sand, orange, no odor, low plasticity, moist
				CH			**Sandy Fat Clay**, black, moist, no odor, 65% clay, 35% fine grained sand
1350		B18-2.5			Dry granular bentonite (typical)	0.0	
1400		B18-5	5		Sand pack (#3 Sand - typical)	0.0	
				CH	Seal (hydrated bentonite chips - typical)		**Fat Clay with Sand**, medium brown, moist, no odor, 80% clay, 20% sand
				CL			**Sandy Lean Clay**, medium brown, wet, no odor, 65% clay, 35% fine grained sand
1340		B18-10	10		1/4" Soil-gas implant (typical)	0.0	
			15				Boring terminated at 12' bgs. Groundwater encountered at 8.5' bgs.
			20				

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B20
DATE DRILLED 5/02/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**5" Concrete**
					SM				**Silty Sand**, brown, no odor, moist, 70% medium to fine grained sand, 30% silt
755		B20-2.5			CH		Dry granular bentonite (typical)	0.0	**Fat Clay with Sand**, dark brown, no odor, moist, 80% clay, 20% fine grained sand
805		B20-5		5			Sand pack (#3 Sand - typical)	0.0	
							Seal (hydrated bentonite chips - typical)		
					ML				**Sandy Silt**, medium brown, no odor, moist, 65% silt, 35% fine grained sand
815		B20-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B21
DATE DRILLED 5/02/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**5" Concrete**
					SP		1/4" Nylaflow Tubing (typical)		**Poorly Graded Sand with Gravel**, no odor, light brown, coarse grained sand, 70% sand, 30% gravel
1015		B21-2.5			SM			0.0	**Silty Sand**, dark brown, no odor, moist, 65% medium to coarse grained sand, 35% silt
							Dry granular bentonite (typical)		
					CH				**Sandy Fat Clay**, dark brown, no odor, moist, 70% clay, 30% fine grained sand
1025		B21-5		5			Sand pack (#3 Sand - typical)	0.0	
							Seal (hydrated bentonite chips - typical)		
					CH				**Fat Clay**, Same as above except 90% fat clay, 10% sand
					CL				**Sandy Lean Clay**, medium brown, moist, no odor, 70% clay, 30% fine to medium grained sand
1040		B21-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 13 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B24
DATE DRILLED 4/25/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 12
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**3" Asphalt**
815		B24-2.5			CH		Dry granular bentonite (typical)	0.0	
820		B24-5		5	CH		Sand pack (#3 Sand - typical)	0.0	**Fat Clay with Sand**, dark brown, no odor, damp, 80% clay, 20% sand
							Seal (hydrated bentonite chips - typical)		
825		B24-10		10	CH		1/4" Soil-gas implant (typical)	0.0	
				15					Boring terminated at 13' bgs. Groundwater encountered at 12' bgs.
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 12 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B25
DATE DRILLED 4/26/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 11
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**3" Asphalt**
820		B25-2.5			CH		Dry granular bentonite (typical)	0.0	**Fat Clay**, dark brown, no odor, 90% clay, 10% poorly graded fine grained sand
825		B25-5		5			Sand pack (#3 Sand - typical)	0.0	
							Seal (hydrated bentonite chips - typical)		
					ML				**Sandy Silt with Gravel**, well graded, gray, no odor, 50% silt, 35% sand, 15% gravel
830		B25-10		10	SP		1/4" Soil-gas implant (typical)	0.0	**Poorly Graded Sand**, grey, no odor, 60% fine grained sand, 40% medium grained sand
					SM				**Silty Sand with Gravel**, well graded sand, 65% sand, 15% silt, 20% gravel
				15					Boring terminated at 12' bgs. Groundwater encountered at 11' bgs.
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 13 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B26
DATE DRILLED 4/26/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 11.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**3" Asphalt**
945		B26-2.5					Dry granular bentonite (typical)	0.0	
950		B26-5		5	CH		Sand pack (#3 Sand - typical)	0.0	**Fat Clay**, grey, moist, no odor, 90% clay, 10% sand
							Seal (hydrated bentonite chips - typical)		
955		B26-10		10			1/4" Soil-gas implant (typical)	0.0	
					CH				**Sandy Fat Clay** brown, moist, no odor, 60% clay, 40% fine grained sand
					SM				**Silty Sand**, medium brown, no odor, wet, 70% fine to medium grained sand, 30% silt
				15					Boring terminated at 13' bgs. Groundwater encountered at 11.5' bgs.
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 16 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B28
DATE DRILLED 4/25/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 12
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**3" Asphalt**
1330		B28-2.5			SP-SM		Dry granular bentonite (typical)	0.0	**Poorly Graded Sand with Silt**, brown, faint odor, damp, 80% fine to medium grained sand, 10% silt, 10% gravel
1333		B28-5		5			Sand pack (#3 Sand - typical)	0.0	
					SM		Seal (hydrated bentonite chips - typical)		**Silty Sand with Gravel**, moist, brown, no odor, 60% fine to medium grained sand, 20% silt, 20% gravel
1336		B28-10		10			1/4" Soil-gas implant (typical)	0.0	
					SM				**Silty Sand with Gravel**, wet, brown, no odor, 60% sand, 25% silt, 15% gravel
				15	ML				**Silty Sand**, brown, no odor, wet, 60% silt, 40% sand
									Boring terminated at 16' bgs. Groundwater encountered at 12' bgs.
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B33
DATE DRILLED 4/30/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**5" Concrete**
					SM		1/4" Nylaflow Tubing (typical)		**Silty Sand**, medium brown, no odor, moist, 60% fine to medium grained sand, 40% silt
1045		B33-2.5			ML			0.0	**Sandy Silt**, dark brown, no odor, moist, 60% silt, 40% fine grained sand
							Dry granular bentonite (typical)		
1055		B33-5		5	CL		Sand pack (#3 Sand - typical)	0.0	**Sandy Lean Clay**, moist, brown, no odor, 60% clay, 40% sand
							Seal (hydrated bentonite chips - typical)		
					ML				**Sandy Silt**, dark brown, no odor, moist, 60% silt, 40% fine grained sand
					CL				**Sandy Lean Clay**, moist, brown, no odor, 60% clay, 40% sand
1105		B33-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 13 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B36
DATE DRILLED 4/30/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 11
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**5" Concrete**
					CL		1/4" Nylaflow Tubing (typical)		**Lean Clay with Sand**, no odor, black, moist, 80% clay, 20% fine grained sand
840		B36-2.5			CH		Dry granular bentonite (typical)	0.0	**Fat Clay**, dark grey, no odor, moist
850		B36-5		5			Sand pack (#3 Sand - typical)	0.0	
							Seal (hydrated bentonite chips - typical)		
					CL				**Sandy Lean Clay**, no odor, dark brown, moist, 70% clay, 30% fine grained sand
900		B36-10		10			1/4" Soil-gas implant (typical)	0.0	
					SM				**Silty Sand**, wet, no odor, dark brown, 60% coarse grained sand, 40% silt
				15					Boring terminated at 13' bgs. Groundwater encountered at 11' bgs.
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B37
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
							1/4" Nylaflow Tubing (typical)		
					ML				**Silt with Sand**, trace small gravel, dark brown, dry, low plasticity, no odor
1350		B37-2.5					Dry granular bentonite (typical)	0.0	
							Sand pack (#3 Sand - typical)		
1400		B37-5		5				0.0	
					CL				**Sandy Lean Clay**, brown, 70% clay, 30% sand, dry, no odor
							Seal (hydrated bentonite chips - typical)		
					SW-SC				**Well Graded Sand with Clay**, trace small gravel, no odor, dry
1410		B37-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B38
DATE DRILLED 6/07/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**4" Asphalt**
					CL				**Lean Clay**, gray, mottled brown, dry, 90% clay, 10% sand, no odor
730		B38-2.5					Dry granular bentonite (typical)	0.0	
							Sand pack (#3 Sand - typical)		
740		B38-5		5	CH		Seal (hydrated bentonite chips - typical)	0.0	**Fat Clay**, light brown, with grey, dry, 90% clay, 10% sand, trace small gravel
					SC		1/4" Soil-gas implant (typical)		**Clayey Sand with Gravel**, 60% sand, 20% gravel, 20% clay
750		B38-10		10				0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B39
DATE DRILLED 6/07/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**4" Asphalt**
0800		B39-2.5			CH		Dry granular bentonite (typical)	10	**Fat Clay**, black, 5% sand, 5% small gravel, some silt, slight odor, moist
							Sand pack (#3 Sand - typical)		
0810		B39-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					CH				**Fat Clay** gray, 5% sand, 5% small gravel, dry, firm, no staining, no odor
							1/4" Soil-gas implant (typical)		
					SM				**Silty Sand**, medium brown, no odor, wet, 70% fine to medium grained sand, 30% silt
0820		B39-10		10				0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B40
DATE DRILLED 6/07/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
835		B40-2.5			CH		1/4" Nylaflow Tubing (typical); Dry granular bentonite (typical); Sand pack (#3 Sand - typical)	15	**Fat Clay**, black, slight odor, 90% clay, 5% small gravel, 5% sand
840		B40-5		5	CH		Seal (hydrated bentonite chips - typical); 1/4" Soil-gas implant (typical)	0.0	**Fat Clay**, dark brown, trace small gravel, stiff, no odor, 95% clay, 5% sand
850		B40-10		10	CH			0.0	**Sandy Fat Clay**, brown, 70% clay, 30% sand, trace small gravel, no odor, moist
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push/Hydro-Punch
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 14 **WELL DEPTH (FT BGS)** 13
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B42A
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 13
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
		No Soil Samples Collected		0	AC				**4" Asphalt**
					CH				**Fat Clay**, brown, 90% clay, 10% fine to medium grained sand, no odor, dry, trace gravel
				5	CH				**Fat Clay**, dark grey, trace gravel, 85% clay, 15% fine sand
					CH				**Fat Clay with Sand and Gravel**, brown, mottled grey, 80% clay, 10% sand, 10% gravel
				10	CH		▽		**Sandy Fat Clay with Gravel**, brown, mottled, moist, no odor, 60% clay, 20% well graded sand, 20% gravel
					SW				**Well Graded Sand**, trace silt, medium brown, saturated, no odor
				15					Boring terminated at 14' bgs. Groundwater encountered 13' bgs. Groundwater samples collected using hydropunch sampling tool with screened section at 10-14' bgs.
				20					
				25					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B43
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					ML		1/4" Nylaflow Tubing (typical)		**Silt**, dark grey, low plasticity, 90% silt, 10% fine to medium grained sand
700		B43-2.5			CL		Dry granular bentonite (typical)	0.0	**Lean Clay**, black, dry, 90% clay, 10% fine to medium grained sand
							Sand pack (#3 Sand - typical)		
740		B43-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					CH				**Fat Clay**, grey, dry, mottled, 95% clay, 5% sand
							1/4" Soil-gas implant (typical)		
					CH				**Sandy Fat Clay**, brown, moist, 60% clay, 30% sand, 10% small gravel
750		B43-10		10				0.0	Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B44
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					CH		1/4" Nylaflow Tubing (typical)		**Fat Clay**, gray, mottled, trace gravel, dry, 95% clay, 5% sand
850		B44-2.5						5.0	
					CH		Dry granular bentonite (typical)		**Fat Clay**, black, trace gravel, stiff, slight odor, 95% clay, 5% sand
900		B44-5		5			Sand pack (#3 Sand - typical)	0.0	
					CH		Seal (hydrated bentonite chips - typical)		**Fat Clay**, gray, no odor, dry, 95% clay, 5% sand
					CH				**Fat Clay with Sand**, brown, moist, 70% clay, 30% sand
910		B44-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B45
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					CH		1/4" Nylaflow Tubing (typical)		**Fat Clay**, gray, mottled, trace gravel, dry, 95% clay, 5% sand
820		B45-2.5						16.0	
					CH		Dry granular bentonite (typical)		**Fat Clay**, black, trace gravel, stiff, slight odor, 95% clay, 5% sand
830		B45-5		5			Sand pack (#3 Sand - typical)	0.0	
					CH		Seal (hydrated bentonite chips - typical)		**Fat Clay**, gray, no odor, dry, 95% clay, 5% sand
					CH				**Fat Clay with Sand**, brown, moist, 70% clay, 30% sand
840		B45-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B46
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**4" Concrete**
1015		B46-2.5			CH		Dry granular bentonite (typical)	16.0	**Fat Clay**, gray, trace gravel, dry, 95% clay, 5% sand
							Sand pack (#3 Sand - typical)		
1025		B46-5		5	CH		Seal (hydrated bentonite chips - typical)	0.0	**Fat Clay with Sand**, brown, mottled, trace gravel, slightly moist, 75% clay, 20% sand, 5% gravel
							1/4" Soil-gas implant (typical)		
					CL				**Sandy Lean Clay**, brown, moist, trace gravel, 70% clay, 30% sand
1035		B46-10		10				0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B47
DATE DRILLED 5/31/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Concrete**
					ML		1/4" Nylaflow Tubing (typical)		**Silt**, dark brown, dry, trace small gravel, low plasticity
845		B47-2.5						0.0	
							Dry granular bentonite (typical)		
900		B47-5		5	CL		Sand pack (#3 Sand - typical)	0.0	**Lean Clay**, trace small gravel, dry, medium plasticity
							Seal (hydrated bentonite chips - typical)		
					CH				**Fat Clay with Sand**, dark brown, moist, high plasticity, 85% clay, 15% sand
915		B47-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B48
DATE DRILLED 5/31/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**4" Concrete**
930		B48-2.5			ML		Dry granular bentonite (typical)	0.0	**Silt with Sand**, dark brown, low plasticity, dry, 85% silt, 15% sand
							Sand pack (#3 Sand - typical)		
945		B48-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					CL				**Lean Clay with Sand**, brown, medium plasticity, dry, 85% clay, 15% sand
							1/4" Soil-gas implant (typical)		
					CH				**Sandy Fat Clay**, moist, brown, 70% clay, 30% sand
1000		B48-10		10				0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B49
DATE DRILLED 5/31/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**12" Concrete**
1015		B49-2.5			ML		Dry granular bentonite (typical)	1.0	**Silt with Sand**, 85% silt, 15% sand, dark brown, dry, low plasticity
							Sand pack (#3 Sand - typical)		
1030		B49-5		5	CL		Seal (hydrated bentonite chips - typical)	0.0	**Lean Clay with Sand**, brown, medium plasticity, dry, 85% clay, 15% sand
					CL		1/4" Soil-gas implant (typical)		**Sandy Lean Clay**, trace small gravel, medium plasticity, moist, 70% clay, 30% sand
1045		B49-10		10				0.0	Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B50
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					FILL		1/4" Nylaflow Tubing (typical)		**Fill**, sand with debris, gravel
					CH				**Fat Clay with Sand and Gravel**, black, dry, slight odor, 80% clay, 10% sand, 10% small gravel
1215		B50-2.5					Dry granular bentonite (typical)	0.0	
							Sand pack (#3 Sand - typical)		
1220		B50-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					CH				**Fat Clay with Sand**, brown, no odor, moist, 85% clay, 10% sand, 5% gravel
							1/4" Soil-gas implant (typical)		
					CH				**Sandy Fat Clay**, gray, mottled, no odor, very moist, 60% clay, 40% sand
1235		B50-10		10				0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B51
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**4" Concrete**
1230		B51-2.5			CH		Dry granular bentonite (typical)	0.0	**Fat Clay**, gray, trace gravel, dry, 95% clay, 5% sand, no odor
							Sand pack (#3 Sand - typical)		
1240		B51-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					CH				**Sandy Fat Clay**, brown, mottled, trace gravel, slightly moist, 60% clay, 30% sand, 10% small gravel, no odor
							1/4" Soil-gas implant (typical)		
					SC				**Clayey Sand**, brown, wet, 20% clay, 80% sand, no odor
1250		B51-10		10				0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B52
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	AC				**4" Asphalt**
					FILL		1/4" Nylaflow Tubing (typical)		**Fill**, sandy debris
1125		B52-2.5			CL		Dry granular bentonite (typical)	0.0	**Lean Clay**, dark gray, trace small gravel, dry, 95% clay, 5% sand, odor
							Sand pack (#3 Sand - typical)		
1135		B52-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					CH				**Fat Clay with Gravel**, dark gray, slightly moist, 85% clay, 15% small gravel, no odor
							1/4" Soil-gas implant (typical)		
					CH				**Sandy Fat Clay**, brown, moist, 70% clay, 30% sand, no odor
1145		B52-10		10				0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B53
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					CH		1/4" Nylaflow Tubing (typical)		**Fat Clay with Sand**, 85% clay, 15% sand, trace gravel, dry, firm
1055		B53-2.5					Dry granular bentonite (typical)	0.0	
							Sand pack (#3 Sand - typical)		
					CH				**Fat Clay with Sand**, brown, 85% clay, 10% sand, 5% small gravel
1105		B53-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					CH				**Sandy Fat Clay**, dark brown, dry, 65% clay, 30% sand, 5% small gravel
							1/4" Soil-gas implant (typical)		
					CH				**Sandy Fat Clay**, grey, mottled brown, trace gravel, moist, 70% clay, 30% sand
1115		B53-10		10				0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B54
DATE DRILLED 5/31/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					CL		1/4" Nylaflow Tubing (typical)		**Lean Clay**, black, 5% sand, dry, slight hydrocarbon odor
1215		B54-2.5					Dry granular bentonite (typical)	16.0	
1230		B54-5		5	CH		Sand pack (#3 Sand - typical)	0.0	**Fat Clay**, dark brown, 5% sand, dry, no odor
							Seal (hydrated bentonite chips - typical)		
					CH				**Sandy Fat Clay**, dark brown, 30% sand, moist, no odor
1245		B54-10		10			1/4" Soil-gas implant (typical)	4.5	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B55
DATE DRILLED 6/06/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					CH		1/4" Nylaflow Tubing (typical)		**Fat Clay**, gray mottled with black, 5% sand, trace gravel, dry, firm
0920		B55-2.5			CH		Dry granular bentonite (typical)	70	**Fat Clay**, black, 5% sand, trace gravel, dry, firm, slight odor
							Sand pack (#3 Sand - typical)		
0930		B55-5		5			Seal (hydrated bentonite chips - typical)	20	
					CH		1/4" Soil-gas implant (typical)		**Fat Clay with Sand**, brown mottled with gray, dry, 15% sand, 5% small gravel, no odor
					SC				**Clayey Sand**, brown, 30% clay, 70% fine to medium grained sand, moist, no odor
0940		B55-10		10				10	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B56
DATE DRILLED 5/31/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**6" Concrete**
1315		B56-2.5			CL			0.0	**Lean Clay**, black, 95% clay, 5% sand
				5			Dry granular bentonite (typical)		
1330		B56-5			CH		Sand pack (#3 Sand - typical)	0.0	**Fat Clay**, dark brown, 95% clay, 5% sand
							Seal (hydrated bentonite chips - typical)		
					CH				**Sandy Fat Clay**, dark brown, moist, 70% clay, 30% sand
1345		B56-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY K. Drake **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B57
DATE DRILLED 6/07/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	AC		1/4" Nylaflow Tubing (typical)		**4" Concrete**
0750		B57-2.5			SW-SC		Dry granular bentonite (typical)	0.0	**Well Graded Sand with Clay**, dark brown, slightly moist/damp, no staining, no odor, trace gravel
							Sand pack (#3 Sand - typical)		
0800		B57-5		5				0.0	
					CH		Seal (hydrated bentonite chips - typical)		**Fat Clay**, trace coarse grained sand, high plasticity, dark brown with orangish brown veins, slightly moist, no staining, no odor
					CL		1/4" Soil-gas implant (typical)		**Lean Clay**, trace medium gravel, low plasticity, dark brown with orangish brown veins, slightly moist, no staining, no odor
0810		B57-10		10				0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY K. Drake **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B58
DATE DRILLED 6/07/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	AC		1/4" Nylaflow Tubing (typical)		**4" Concrete**
					SP				**Poorly Graded Sand with Gravel**, medium to coarse grained sand, trace clay, low plasticity, no staining, no odor
1000		B58-2.5					Dry granular bentonite (typical)	0.0	
1020		B58-5		5	CH		Sand pack (#3 Sand - typical)	0.0	**Fat Clay with Sand**, coarse sand, dark brown, veins of orange-brown, no staining, no odor
							Seal (hydrated bentonite chips - typical)		
					SW-SM				**Well Graded Sand with Silt**, dark brown, no staining, no odor
1040		B58-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger/Hydro-punch
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 13.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY K. Drake **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B59A
DATE DRILLED 6/07/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 12.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
		No Soil Samples Collected		0	AC				**4" Concrete**
					SP				**Poorly Graded Sand with Gravel**, medium to coarse grained sand, trace clay, low plasticity, no staining, no odor
					SC				**Clayey Sand**, coarse to medium grained, low plasticity, trace gravel, black, no staining, no odor, damp
				5	CH				**Fat Clay with Sand**, coarse to medium grained sand, dark brown, no staining, no odor, veins of orangish brown, damp
				10	SM		▽		**Silty Sand**, poorly graded, fine to medium grained sand, moist, no staining, no odor
				15					Boring terminated at 13.5' bgs. Groundwater encountered at 12.5' bgs. Groundwater samples collected using hydropunch sampling tool with screened section at 9.5-13.5' bgs.
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger/Hydro-punch
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 14 **WELL DEPTH (FT BGS)** NA
LOGGED BY K. Drake **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B60A
DATE DRILLED 6/07/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 12
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
		No Soil Samples Collected		0	AC				**4" Concrete**
					SP				**Poorly Graded Sand with Gravel**, medium to coarse grained sand, trace clay, low plasticity, no staining, no odor
					SC				**Clayey Sand**, coarse to medium grained, low plasticity, trace gravel, black, no staining, no odor, damp
				5	CH				**Fat Clay with Sand**, coarse to medium grained sand, dark brown, no staining, no odor, veins of orangish brown, damp
				10	CL		▽		**Lean Clay with Sand**, fine grained sand, medium brown, no staining, no odor, moist, trace small black gravel
				15					Boring terminated at 14' bgs. Groundwater encountered at 12' bgs. Groundwater samples collected using hydropunch sampling tool with screened section at 10-14' bgs.
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B61
DATE DRILLED 5/31/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**4" Concrete**
745		B61-2.5			CH		Dry granular bentonite (typical)	0.0	**Fat Clay**, dark brown, dry, 90% clay, 10% fine to medium grained sand
815		B61-5		5	CL		Sand pack (#3 Sand - typical)	0.0	**Sandy Lean Clay**, brown, dry, trace small gravel, 70% clay, 30% sand
							Seal (hydrated bentonite chips - typical)		
					CL				**Sandy Lean Clay**, trace small gravel, fine to medium grained sand, 50% clay, 45% sand, 5% gravel
					SW				**Well Graded Sand**, trace small gravel, light brown, dry
830		B61-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger
SAMPLING METHOD Hand-auger
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B62
DATE DRILLED 5/31/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**4" Concrete**
1115		B62-2.5			CL			0.0	**Lean Clay with Sand**, light brown, dry, trace small gravel, 80% clay, 20% sand
							Dry granular bentonite (typical)		
1130		B62-5		5			Sand pack (#3 Sand - typical)	0.0	
					CL		Seal (hydrated bentonite chips - typical)		**Lean Clay with Sand**, light brown, dry, trace small gravel, 65% clay, 20% silt, 15% sand
					CL				**Sandy Lean Clay**, slightly moist, light brown, trace small gravel, 70% clay, 30% sand
1145		B62-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B64
DATE DRILLED 6/28/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 10
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					FILL				**Fill**, dark gray brown, slightly clayey, organics, trace sand and gravel
0925		B64-2.5						0.0	
					CH				**Fat Clay**, dark brown, 95% clay, 5% sand, trace gravel, stiff
0930		B64-5		5				0.0	
					CL				**Sandy Lean Clay**, brown, 60 % clay, 40% sand, saturated
0935		B64-10		10			▽	0.0	
									Boring terminated at 10.5' bgs. Groundwater encountered at approximately 10' bgs
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 11 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B66
DATE DRILLED 6/28/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Concrete**
					CL				**Lean Clay**, medium plasticity, brown, trace gravel, 90% clay, 10% sand
0900		B66-2.5						0.0	
0905		B66-5		5				0.0	
					CL				**Lean Clay**, medium plasticity, dark gray, trace gravel, 90% clay, 10% sand
					CL				Same as above - brown, moist
0910		B66-10		10				0.0	
									Boring terminated at 11' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 12 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B70
DATE DRILLED 6/28/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 11
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					FILL				**Fill**, black to dark gray, trace gravel, 90% clay, 10% sand
									Layer of asphalt at 1.5' bgs
1300		B70-2.5						0.0	
					CL				**Lean Clay**, medium plasticity, dark gray, trace small gravel, 15% sand, dry, no odor
1310		B70-5		5				0.0	
					CL				Same as above - brown, slightly moist, 10% fine grained sand
1320		B70-10		10			▽	0.0	Same as above - wet
									Boring terminated at 12' bgs. Groundwater encountered at 11' bgs.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B71
DATE DRILLED 6/28/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	AC				**4" Ashpalt**
					FILL				**Clayey Sand with Gravel (Fill)**, black, brick debris, 40% clay, 30% gravel, 30% sand
0830		B71-2.5			CL			0.0	**Lean Clay with Sand**, medium plasticity, light gray, 80% clay, 20% sand
0835		B71-5		5				0.0	
					CL				**Sandy Lean Clay**, medium plasticity, dark gray mottled with brown, 50% clay, 40% sand, 10% gravel, moist
0840		B71-10		10				0.0	Same as above - brown, wet
									Boring terminated at 10.5' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 11 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B72
DATE DRILLED 6/28/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	AC				**4" Asphalt**
					CL				**Sandy Lean Clay**, dark gray, 60% clay, 40% sand, trace gravel, dry, no odor
0810		B72-2.5			CL			0.0	**Sandy Lean Clay**, medium plasticity, dark brown mottled with gray, 70% clay, 30% sand
0815		B72-5		5				0.0	
					SC				**Clayey Sand with Gravel**, dark brown, 50% well graded sand, 30% clay, 20% gravel, moist
0820		B72-10		10	CH			0.0	**Fat Clay**, brown, trace fine grained sand, no odor, moist
									Boring terminated at 11' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 11 **WELL DEPTH (FT BGS)** NA
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B73
DATE DRILLED 6/28/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	AC				**4" Ashpalt**
					CL				**Sandy Lean Clay with Gravel**, dark gray, 50% clay, 50% sand and gravel
0745		B73-2.5			CL			0.0	**Sandy Lean Clay with Gravel**, gray, 60% clay, 20% sand, 20% gravel
0750		B73-5		5				0.0	
					SC				**Clayey Sand with Gravel**, gray mottled with brown, 40% clay, 40% sand, 20% gravel, moist
0755		B73-10		10	CH			0.0	**Fat Clay**, brown, trace fine grained sand, no odor, moist
									Boring terminated at 11' bgs. No groundwater encountered.
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B74
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**3" Asphalt**
845		B74-1			ML			0.0	**Sandy Silt**, medium brown, damp, no odor, 60% silt, 35% sand, 5% gravel
850		B74-2.5			CL			0.0	**Lean Clay with Sand**, no odor, damp, 70% clay, 20% sand, 10% gravel
855		B74-5		5				0.0	
					ML				**Sandy Silt with Gravel**, medium brown, damp, 60% silt, 20% sand, 20% gravel, no odor
					CL				**Lean Clay with Sand**, light brown, damp, no odor, 75% clay, 25% sand
900		B74-10		10				0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B75
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**3" Asphalt**
805		B75-1					1/4" Nylaflow Tubing (typical)		
810		B75-2.5			FILL		Dry granular bentonite (typical)	0.0	**Poorly Graded Sand with Silt and Gravel (Fill)**, dark brown, no odor, loose, 70% sand, 20% gravel, 10% silt
815		B75-5		5			Sand pack (#3 Sand - typical)	0.0	
					CL		Seal (hydrated bentonite chips - typical)		**Sandy Lean Clay with Gravel**, no odor, medium brown, damp, 65% clay, 20% sand, 15% gravel
820		B75-10		10	SM		1/4" Soil-gas implant (typical)	0.0	**Silty Sand with Gravel**, 65% sand, 20% silt, 15% gravel, no odor, moist to very moist
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B76
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
935		B76-1						0.0	
					ML				**Sandy Silt**, medium brown, damp, no odor, 65% silt, 35% sand
940		B76-2.5						0.0	
945		B76-5		5				0.0	
					CL				**Lean Clay with Sand**, medium brown, no odor, damp, 75% clay, 20% sand, 5% gravel
950		B76-10		10				0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B77
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1100		B77-1			FILL		1/4" Nylaflow Tubing (typical)	0.0	**Silty Sand with Gravel (Fill)**, medium brown, damp, no odor, 60% sand, 20% silt, 20% gravel
1105		B77-2.5			CL		Dry granular bentonite (typical)	2.3	**Lean Clay with Sand**, 80% clay, 15% sand, 5% gravel, dark brown, no odor, damp
1110		B77-5		5	SW-SM		Sand pack (#3 Sand - typical)	0.0	**Well Graded Sand with Silt and Gravel**, 70% sand, 20% gravel, 10% silt, medium brown, loose, no odor, damp
							Seal (hydrated bentonite chips - typical)		
					CL				**Lean Clay with Sand**, 80% clay, 20% sand, medium brown, no odor, damp
1115		B77-10		10	SW-SM		1/4" Soil-gas implant (typical)	0.0	**Well Graded Sand with Silt and Gravel**, 70% sand, 20% gravel, 10% silt, medium brown, loose, no odor, damp
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B78
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1020		B78-1			CL			0.0	**Sandy Lean Clay**, light brown, damp, no odor, 70% clay, 30% sand
1025		B78-2.5						0.0	
1030		B78-5		5	CL			0.0	Same, except medium brown
					SM				**Silty Sand with Gravel**, 60% sand, 20% silt, 20% gravel, dark brown, damp, no odor
1035		B78-10		10				0.0	Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B79
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1240		B79-1			CL		1/4" Nylaflow Tubing (typical)	0.0	**Lean Clay with Sand**, dark brown, 75% clay, 25% sand, no odor, damp
1245		B79-2.5					Dry granular bentonite (typical)	0.0	
							Sand pack (#3 Sand - typical)		
1250		B79-5		5	CH		Seal (hydrated bentonite chips - typical)	0.0	**Fat Clay with Sand**, dark brown, 75% clay, 25% sand, no odor, damp
							1/4" Soil-gas implant (typical)		
					CH				Same, except very moist
1255		B79-10		10				0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B80
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 9.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1345		B80-1						0.3	
1350		B80-2.5			CL			60.1	**Lean Clay with Sand**, medium brown, 80% clay, 20% sand, no odor, damp
1355		B80-5		5	CH			31.3	**Fat Clay**, 90% clay, 10% sand, no odor
1400		B80-10		10				0.0	Boring Terminated at 10.5' bgs Groundwater Encountered at 9.5'
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B81
DATE DRILLED 7/19/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	AC				**4" Asphalt**
730		B81-1			CH			9.3	**Fat Clay with Sand**, medium to dark brown, damp, no odor, 80% clay, 20% sand
735		B81-2.5						8.8	
					CL				**Lean Clay with Sand**, medium to dark brown, damp, no odor, 80% clay, 20% sand
740		B81-5		5				7.7	
					SM				**Silty Sand**, medium gray, no odor, damp, 70% sand, 30% silt
745		B81-10		10				7.9	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B82
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1315		B82-1			CL		1/4" Nylaflow Tubing (typical)	0.0	**Sandy Lean Clay with Gravel**, dark brown, no odor damp, 50% clay, 25% gravel, 25% sand
1320		B82-2.5					Dry granular bentonite (typical)	5.3	
							Sand pack (#3 Sand - typical)		
1325		B82-5		5			Seal (hydrated bentonite chips - typical)	1.0	
					CL				**Lean Clay with Sand**, 80% clay, 20% sand, medium brown, damp, no odor
							1/4" Soil-gas implant (typical)		
1330		B82-10		10				0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B83
DATE DRILLED 7/19/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1110		B83-1						0.0	
1115		B83-2.5			CL			0.0	**Lean Clay with Sand**, dark gray, damp, no damp, 75% clay, 25% sand, soft
1120		B83-5		5				0.0	
					CL				Same, except soft
					ML				**Sandy Silt**, 65% silt, 35% sand, dark greyish brown, damp, no odor
1125		B83-10		10	SM			0.0	**Silty Sand**, 65% sand, 35% silt, dark greyish brown, damp, no odor
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B84
DATE DRILLED 7/19/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
820		B84-1			FILL			0.0	**Silty Sand with Gravel (Fill)**, 60% sand, 20% silt, 20% gravel, medium brown, no odor, loose, dry
825		B84-2.5			CL			2.2	**Lean Clay with Sand**, medium brown, damp, no odor, 80% clay, 20% sand
					CL				Same, except dark grey
830		B84-5		5	CL			0.0	Same, except medium brown
					SM				**Silty Sand with Gravel**, medium brown, dry, loose, 60% sand, 20% silt, 20% gravel, no odor
835		B84-10		10				0.0	Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B85
DATE DRILLED 7/19/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
800		B85-1			FILL			0.0	**Silty Sand with Gravel (Fill)**, dark brown, loose, dry, 60% sand, 20% silt, 20% gravel
									Asphalt at 2.0' - 2.5'
805		B85-2.5			CH			14.1	**Fat Clay with Sand**, dark gray, damp, no odor, 80% clay, 20% sand
810		B85-5		5	CL			9.3	**Lean Clay with Sand**, medium, damp, no odor, 80% clay, 20% sand
					SM				**Silty Sand with Gravel**, medium brown, loose, no odor, 60% sand, 20% silt, 20% gravel
815		B85-10		10				8.8	Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B86
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					FILL				**Silty Sand (Fill)**, 70% sand, 30% silt, orangish brown, damp, no odor
1500		B86-1						0.0	
1505		B86-2.5			CL			0.0	**Lean Clay**, 90% clay, 10% sand, dark gray, no odor, damp
1510		B86-5		5				0.0	
					CH				**Fat Clay**, medium brown, 90% clay, 10% sand, no odor, damp
1515		B86-10		10	SM			0.0	**Silty Sand**, medium brown, moist, no odor, 60% sand, 40% silt
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B87
DATE DRILLED 7/19/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
850		B87-1			FILL			0.0	**Sandy Silt (Fill)**, dark brown, damp, no odor, 60% silt, 40% sand
855		B87-2.5			CH			0.0	**Fat Clay**, 90% clay, 10% sand, dark gray, damp, no odor
900		B87-5		5				0.0	
					CH				**Fat Clay**, 90% clay, 10% sand, dark brown, damp, no odor
905		B87-10		10				0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B88
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1415		B88-1					1/4" Nylaflow Tubing (typical)	0.0	
1420		B88-2.5			CH			0.6	**Fat Clay**, 90% clay, 10% sand, dark gray, moist, no odor
							Dry granular bentonite (typical)		
1425		B88-5		5			Sand pack (#3 Sand - typical)	0.0	
							Seal (hydrated bentonite chips - typical)		
					CH				Same, except medium brown
1430		B88-10		10	SM		1/4" Soil-gas implant (typical)	0.0	**Silty Sand**, medium brown, very moist, no odor, 65% sand, 35% silt
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B89
DATE DRILLED 7/19/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
915		B89-1			FILL		1/4" Nylaflow Tubing (typical)	0.0	**Sandy Silt (Fill)**, grey, damp, no odor, 70% silt, 30% sand
920		B89-2.5			CL		Dry granular bentonite (typical)	0.0	**Sandy Lean Clay**, medium brown, damp, no odor, 70% clay, 30% sand
							Sand pack (#3 Sand - typical)		
925		B89-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					CL				**Lean Clay**, grey, damp, no odor, 90% clay, 10% clay
							1/4" Soil-gas implant (typical)		
930		B89-10		10				0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B90
DATE DRILLED 7/19/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
935		B90-1			FILL			0.0	**Silty Sand (Fill)**, medium brown, dry, loose, no odor, 70% sand, 30% silt
940		B90-2.5						0.0	
945		B90-5		5	CH			0.0	**Fat Clay**, medium brown, moist, no odor, 90% clay, 10% sand
950		B90-10		10	SM			0.0	**Silty Sand**, 65 % silt, 35% sand, medium brown, moist, no odor
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hand-auger / Limited Access Geoprobe
SAMPLING METHOD Hand-auger/Direct Push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS Hand Auger Upper 5', PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B91
DATE DRILLED 7/16/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Interphase Environmental
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**4" Concrete**
					FILL				**Silty Sand with Gravel (Fill)**, light to medium brown, 70% fine to coarse grained sand, 20% silt, 10% gravel, no staining, no odor
1045		B91-2.5			ML			0.0	**Silt**, dark grey, damp, stiff, 60% silt, 40% clay, no staining, no odor
							Dry granular bentonite (typical)		
1055		B91-5		5			Sand pack (#3 Sand - typical)	0.0	
					CL		Seal (hydrated bentonite chips - typical)		**Lean Clay**, moist, stiff, 60% clay, 35% silt, 5% coarse sand, no staining, no odor
					ML				**Clayey Silt with Sand**, 40% silt, 35% clay, 25% sand, moist, dense, no staining, no odor
1235		B91-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Limited Access Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B92
DATE DRILLED 7/16/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Interphase Environmental
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Concrete**
					FILL		1/4" Nylaflow Tubing (typical)		**Clayey Sand (Fill)**, medium brown, dry, 60% fine to coarse grained sand, 30% clay, 10% silt,
1255		B92-2.5						0.0	
							Dry granular bentonite (typical)		
1100		B92-5		5			Sand pack (#3 Sand - typical)	0.0	
					CH		Seal (hydrated bentonite chips - typical)		**Fat Clay**, dark greyish brown, 90% clay, 10% silt, moist, very stiff, no staining, no odor
1105		B92-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Limited Access Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B93
DATE DRILLED 7/16/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Interphase Environmental
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Concrete**
					FILL		1/4" Nylaflow Tubing (typical)		**Silt with Sand (Fill)**, medium brown, 50% silt, 30% clay, 20% fine to coarse grained sand, damp, stiff, no staining, no odor
					ML				**Clayey Silt**, dark grey, 60% silt, 40% clay, damp, stiff, no staining, no odor
		B93-2.5						0.0	
							Dry granular bentonite (typical)		
		B93-5		5			Sand pack (#3 Sand - typical)	0.0	
					CL		Seal (hydrated bentonite chips - typical)		**Lean Clay**, medium to dark grey, 60% clay, 30% silt, 10% sand, moist, stiff, no staining, no odor, becoming very moist at approximately 8'
		B93-10		10			1/4" Soil-gas implant (typical)		Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Limited Access Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B94
DATE DRILLED 7/16/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Interphase Environmental
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC		1/4" Nylaflow Tubing (typical)		**4" Concrete**
					ML				**Silt with Sand**, medium to dark brown, medium stiff, damp, no staining, 50% silt, 25% sand, 25% clay
135		B94-2.5			SP			0.0	**Poorly Graded Sand**, medium brown, medium dense, 90% sand, 10% gravel
							Dry granular bentonite (typical)		
140		B94-5		5			Sand pack (#3 Sand - typical)	0.0	
					CL		Seal (hydrated bentonite chips - typical)		**Lean Clay**, 80% clay, 20% silt, medium to dark greyish brown, moist, medium plasticity, dry, stiff to very stiff, becoming very moist at approximately 10', no odor, no staining
145		B94-10		10			1/4" Soil-gas implant (typical)	0.0	Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Limited Access Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B95
DATE DRILLED 7/16/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Interphase Environmental
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	AC				**4" Concrete**
					ML		1/4" Nylaflow Tubing (typical)		**Clayey Silt with Sand**, medium brown, 50% silt, 35% clay, 15% sand, medium stiff, no staining, no odor
		B95-2.5						0.0	
					CL		Dry granular bentonite (typical)		**Silty Lean Clay**, medium grey, 70% clay, 30% silt, stiff, damp, no odor, no staining
		B95-5		5			Sand pack (#3 Sand - typical)	0.0	
							Seal (hydrated bentonite chips - typical)		
					ML				**Clayey Silt with Fine Grained Sand**, 60% silt, 25% clay, 15% sand, scattered gravel, medium to dark brownish grey, moist, stiff, medium plasticity, no staining, no odor
		B95-10		10			1/4" Soil-gas implant (typical)	0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B96
DATE DRILLED 7/19/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					Grass				Grass/Topsoil
1200		B96-1			SM		1/4" Nylaflow Tubing (typical)	0.0	**Silty Sand**, medium brown, dry, no odor, 70% sand, 30% silt
1205		B96-2.5			CL		Dry granular bentonite (typical); Sand pack (#3 Sand - typical)	0.0	**Lean Clay with Sand**, medium brown, stiff, damp, no odor, 80% clay, 20% sand
1210		B96-5		5	CH		Seal (hydrated bentonite chips - typical); 1/4" Soil-gas implant (typical)	0.0	**Fat Clay**, 90% clay, 10% sand, soft, medium brown, damp, no odor
1215		B96-10		10				0.0	Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B97
DATE DRILLED 7/19/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
700		B97-1			FILL		1/4" Nylaflow Tubing (typical)	0.0	**Sandy Silt (Fill)**, medium brown, no odor, damp, 70% silt, 30% sand
705		B97-2.5			CL		Dry granular bentonite (typical)	2.4	**Lean Clay**, dark brown, damp, no odor, 90% clay, 10% sand
710		B97-5		5			Sand pack (#3 Sand - typical)	0.0	
					CL		Seal (hydrated bentonite chips - typical)		**Sandy Lean Clay**, medium brown, no odor, damp, 60% clay, 40% sand
715		B97-10		10	SC		1/4" Soil-gas implant (typical)	0.0	**Clayey Sand**, medium brown, no odor, damp, 60% sand, 40% clay
									Boring Terminated at 10.5' No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY K. Drake **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B98
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1145		B98-1					1/4" Nylaflow Tubing (typical)	0.0	
1150		B98-2.5			CL		Dry granular bentonite (typical)	0.0	**Lean Clay with Sand**, small gravel, 80% clay, 20% coarse grained sand, dark brown, mottled with orangish brown
							Sand pack (#3 Sand - typical)		
1155		B98-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					SC				**Clayey Sand**, coarse grained sand, small gravel, dark brown mottled with light brown
					SW		1/4" Soil-gas implant (typical)		**Well Graded Sand with Gravel**, small to large gravel
1200		B98-10		10				0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY K. Drake **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B99
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1000		B99-1			FILL		1/4" Nylaflow Tubing (typical)	0.0	**Silty Sand with Gravel (Fill)**, dark brown, 65% sand, 20% gravel, 15% silt, well graded sand, dry, loose, no odor
1005		B99-2.5					Dry granular bentonite (typical)	0.0	
							Sand pack (#3 Sand - typical)		
					CL				**Sandy Lean Clay**, dark brown, damp, no odor, 70% clay, 25% sand, 5% gravel
1010		B99-5		5			Seal (hydrated bentonite chips - typical)	0.0	
							1/4" Soil-gas implant (typical)		
					SM				**Silty Sand with Gravel**, medium brown, 60% sand, 20% silt, 20% gravel, no odor, damp
1015		B99-10		10				0.0	
									Boring Terminated at 10.5' No groundwater encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B100
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**3" Asphalt**
905		B100-1			FILL		1/4" Nylaflow Tubing (typical)	0.0	**Silty Sand with Gravel (Fill)**, medium brown, dry, well graded, 60% sand, 20% silt, 20% gravel
910		B100-2.5			ML		Dry granular bentonite (typical)	0.0	**Sandy Silt with Gravel**, medium brown, damp, no odor, 60% silt, 20% sand, 20% gravel
							Sand pack (#3 Sand - typical)		
915		B100-5		5	CL		Seal (hydrated bentonite chips - typical)	0.0	**Sandy Lean Clay**, medium brown, no odor, 65% clay, 25% sand, 10% gravel
							1/4" Soil-gas implant (typical)		
					SM				**Silty Sand with Gravel**, medium brown, no odor, damp, 60% sand, 20% silt, 20% gravel
920		B100-10		10				0.0	
									Boring Terminated at 10.5' bgs No Groundwater Encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 10.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY R. Shigeno **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER B101
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**6" Asphalt**
					FILL		1/4" Nylaflow Tubing (typical)		**Silty Sand with Gravel (Fill)**, dark brown, loose, dry, no odor, 60% sand, 20% silt, 20% gravel
745		B101-2.5			CL		Dry granular bentonite (typical)	0.0	**Lean Clay with Sand**, no odor, medium brown, 60% clay, 20% silt, 20% sand
							Sand pack (#3 Sand - typical)		
750		B101-5		5			Seal (hydrated bentonite chips - typical)	0.0	
					SM				**Silty Sand**, medium brown, dry, loose, no odor, 65% sand, 25% silt, 10% gravel
							1/4" Soil-gas implant (typical)		
					ML				**Sandy Silt**, medium brown, damp, no odor, 60% silt, 30% sand, 10% gravel
755		B101-10		10				0.0	
									Boring Terminated at 10.5' No groundwater encountered
				15					
				20					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 6 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane, Split Sampling

BORING/WELL NUMBER ENVB4B
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Vironex
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**Concrete**
					FILL			14.4	**Silty Sand and Sandy Silty Clay (Fill)**, mottled medium brown, broken asphalt debris, dry to damp, stiff, no odor, no staining
								0.0	
					CL			0.0	**Lean Clay**, dark grey, damp, stiff, no odor, no staining, 60% clay, 40% silt
926		ENVB4B-2.5							
								0.0	
								0.0	
					CL				**Lean Clay**, medium grey, scattered gravel, 70% clay, 25% silt, 5% gravel, damp, very stiff, no staining, no odor
930		ENVB4B-5.0		5				0.0	
								0.0	
									Boring Terminated at 6' bgs No Groundwater Encountered
				10					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 6 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane, Split Sampling

BORING/WELL NUMBER ENVB10B
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Vironex
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**Concrete**
					FILL			769 125	**Lean Clay (Fill)**, mottled with clayey silt, damp, very stiff, strong odor, no staining, 50% clay, 40% silt, 10% sand/gravel
		ENVB10B-2.5							
					CL			236 15	**Lean Clay**, damp, stiff, no odor, dark grey mottled with orange brown, 70% clay, 25% silt, 5% medium grained sand and gravel, scattered CaCO3 veins.
		ENVB10B-5.0		5				0.0	
								0.0	Boring Terminated at 6' bgs No Groundwater Encountered
				10					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 6 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane, Split Sampling

BORING/WELL NUMBER ENVB12B
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Vironex
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**Concrete**
					FILL			0.0	**Sandy Silty Clay and gravel (Fill)**, black to dark grey, asphalt debris at bottom, damp, stiff, no staining, no odor, 50% clay, 30% silt, 10% sand, 10% gravel
								0.0	
					CL				**Lean Clay**, black to dark grey, 70% clay, 30% silt, trace gravel, damp, stiff, no staining, no odor
1020		ENVB12B-2.5						0.0	
								0.0	
					CL			0.0	**Lean Clay**, mottled medium grey with rust brown, 75% clay, 20% silt, 5% coarse-grained sand, damp, stiff, no odor, no staining
1025		ENVB12B-5.0		5				0.0	
								0.0	Boring Terminated at 6' bgs No Groundwater Encountered

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WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 6 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane, Split Sampling

BORING/WELL NUMBER ENVB38B
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Vironex
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					FILL			0.0	**Silty Sand (Fill)**, strong brown, fine to coarse grained sand, asphalt debris (1-1.25'), dry, loose to medium dense, no staining, no odor
								0.0	
					CL				**Lean Clay**, black to dark grey, 70% clay, 30% silt, damp, stiff, no staining, no odor
		ENVB38B-2.5						0.0	
								0.0	
					CL			0.0	**Lean Clay**, medium brownish grey, mottled with rust brown, damp, stiff, scattered black coarse-grained sand, CaCO3 veins, 70% clay, 25% silt, 5% sand
		ENVB38B-5.0		5				0.0	
								0.0	Boring Terminated at 6' bgs No Groundwater Encountered
				10					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 6 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane, Split Sampling

BORING/WELL NUMBER ENVB39B
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Vironex
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					FILL			0.0	**Poorly Graded Fine Grained Sand (Fill)**, orange to brown, 100% sand, mottled with clay in upper 3", dry, dense, no staining, no odor
					FILL			0.0	**Fat Clay (Fill)**, black, 70% clay, 20% silt, 10% well rounded gravel, damp, very stiff, gravel at 1.5', mottled with green clay at 1.5 to 2'
115		ENVB39B-2.5						0.0	
								0.0	
					CL				**Lean Clay**, mottled medium brownish grey and rust brown, 70% clay, 25% silt, 5% coarse grained sand, damp to moist, stiff, CaCO3 veins, no staining, no odor
								0.0	
115		ENVB39B-5.0		5				0.0	
								0.0	Boring Terminated at 6' bgs No Groundwater Encountered
				10					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 6 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane, Split Sampling

BORING/WELL NUMBER ENVB55B
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Vironex
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**Asphalt**
					FILL			0.0	**Fill**, Mottled dark grey to black sandy silty clay and medium brown clayey silt, scattered gravel, damp to dry, stiff, no odor, no staining
								0.0	
					CH				**Silty Fat Clay**, black to dark grey, plastic, 80% clay, 20% silt
								0.0	
935		ENVB55B-2.5							
								0.0	
					CH			0.0	**Fat Clay**, medium grey mottled with orange brown, 85% clay, 10% silt, 5% coarse sand, CaCO3 present, damp, very stiff, medium to high plasticity
940		ENVB55B-5.0		5				0.0	
								0.0	
									Boring Terminated at 6' bgs No Groundwater Encountered
				10					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 6 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane, Split Sampling

BORING/WELL NUMBER ENVGW1B
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Vironex
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					FILL			0.0 0.0 0.0	**Fat Clay (Fill)**, mottled black with streaks of light grey, scattered gravel, damp, stiff, no staining, no odor, 70% clay, 20% silt, 10% gravel, CaCO3 veins at approximately 1-1.5'
130		ENVGW1B-2.5			CL			0.0 0.0	**Lean Clay**, very stiff, 70% clay, 30% silt, moist, very stiff, low to medium plasticity
130		ENVGW1B-5.0		5	CL			0.0 0.0	**Lean Clay**, medium brown to grey, 70% clay, 30% silt, damp, very stiff, no staining, no odor
								0.0	Boring Terminated at 6' bgs No groundwater encountered

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 6 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane, Split Sampling

BORING/WELL NUMBER ENVGW3B
DATE DRILLED 7/18/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Vironex
DEPTH TO WATER DURING DRILLING (FT BGS) NA
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					FILL			0.0	**Silty Sand (Fill)**, fine to coarse grained sand, light to medium brown, dry, medium dense, no staining, no odor, 60% sand, 30% silt, 10% clay
								0.0	
					FILL				**Clay (Fill)**, mottled, damp, plastic, 80% clay, 10% silt, 5% sand-gravel, 5% debris, stiff, no staining, no odor
								0.0	
1210		ENVGW3B-2.5							
								0.0	
					FILL				**Silty Sand (Fill)**, fine to medium grained, glass debris, 60% sand, 40% silt, dry, loose. Poor Recovery at 3 to 6 feet (approximately 9")
								0.0	
1210		ENVGW3B-5.0		5					
									Boring Terminated at 6' bgs No Groundwater Encountered
				10					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hollow-stem-auger HSA-95
SAMPLING METHOD Calif. Mod. Split Spoon
BORING DIAMETER 10"
BORING DEPTH (FT BGS) 21.5 **WELL DEPTH (FT BGS)** 20
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS Hand Auger Upper 5', PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER GW1
DATE DRILLED 6/04/13
CASING DIAMETER/TYPE PVC 4"
SLOT SIZE 0.01 **SCREEN INTERVAL** 5-20
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR National EWP
DEPTH TO WATER DURING DRILLING (FT BGS) 12.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**Asphalt**
815		GW1-2.5			FILL		Seal - Hydrated Bentonite Grout (Typ.)	0.0	**Sandy Fat Clay (Fill)**, dark grey, mottled, damp, approximately 60% clay, 20% sand, 10% silt, 10% gravel, no staining, no odor
							Monterey #2/12 Sand Pack (Typ.)		
830	9 11 13	GW1-5		5	CL			0.0	**Silty Clay**, medium grey and brown, medium plasticity, grey, moist, approximately 60% clay, 40% silt, no staining, no odor, becoming gravelly at 13'
840	7 10 12	GW1-10		10			4" Diameter Schedule 40 PVC Casing, 0.01" Factory Slotted Screen (Typ.)	0.0	
850	18 20 23	GW1-14			SC/CL			0.0	**Clayey Fine Sand and Sandy Clay**, wet, stiff, no odor, no staining, 50% fine sand, 50% clay
900	10 10 12			15	SW				**Well Graded Sand**, Fine to Coarse-Grained, medium brown-grey, wet, medium dense, no staining, no odor
					CL				**Sandy Clay**, approximately 4" thick
910	10 10 10				SC				**Clayey Fine Sand**, wet, dense, no staining, no odor, approximately 80% sand, 20% clay
920	8 10 12			20	CH				**Fat Clay**, medium brown to medium grey, high plasticity, very moist, approximately 90% clay, 10% silt, no staining, no odor
				25					Boring terminated at 21.5' bgs. Groundwater encountered at 12.5' bgs.

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hollow-stem-auger HSA-95
SAMPLING METHOD Calif. Mod. Split Spoon
BORING DIAMETER 10"
BORING DEPTH (FT BGS) 20.5 **WELL DEPTH (FT BGS)** 20
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS Hand Auger Upper 5', PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER GW2
DATE DRILLED 6/05/13
CASING DIAMETER/TYPE PVC 4"
SLOT SIZE 0.01 **SCREEN INTERVAL** 5-20
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR National EWP
DEPTH TO WATER DURING DRILLING (FT BGS) 10.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
					CH		Seal - Hydrated Bentonite Grout (Typ.)		**Fat Clay**, black, no odor
800		GW2-2.5						0.0	
							Monterey #2/12 Sand Pack (Typ.)		
835	6 8 8	GW2-5		5	CH			0.0	**Fat Clay**, dry, trace small gravel, grey, no odor
845	7 9 11	GW2-10		10	CH			0.0	**Fat Clay**, trace gravel, brown, 90% clay, 10% sand, moist
					CH		4" Diameter Schedule 40 PVC Casing, 0.01" Factory Slotted Screen (Typ.)		**Sandy Fat Clay**, brown, 30% sand, trace gravel, saturated, fine to medium grained sand
855	5 5 7	GW2-15		15				0.0	
					CH				**Sandy Fat Clay**, 70% clay, 30% fine grained sand, brown, wet
910	6 7 8	GW2-20		20				0.0	
					CH				**Sandy Fat Clay**, 30% well graded sand, brown, mottled grey
									Boring terminated at 20.5' bgs. Groundwater encountered at 10.5' bgs.
				25					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Hollow-stem-auger HSA-95
SAMPLING METHOD Calif. Mod. Split Spoon
BORING DIAMETER 10"
BORING DEPTH (FT BGS) 21.5 **WELL DEPTH (FT BGS)** 20
LOGGED BY J. Barkman **CHECKED BY** S. Ridenour
REMARKS Hand Auger Upper 5', PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER GW3
DATE DRILLED 6/04/13
CASING DIAMETER/TYPE PVC 4"
SLOT SIZE 0.01 **SCREEN INTERVAL** 5-20
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR National EWP
DEPTH TO WATER DURING DRILLING (FT BGS) 10.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
					AC				**4" Asphalt**
1110		GW3-2.5			FILL		Seal - Hydrated Bentonite Grout (Typ.)	0.0	**Fat Clay with Sand (Fill)**, gray mottled, dry, no odor, high plasticity, trace small gravel, 80% clay, 10% sand, 10% debris
1115	6 6 6	GW3-5		5	FILL		Monterey #2/12 Sand Pack (Typ.)	0.0	**Fat Clay with Sand and Gravel (Fill)**, dry, no odor, 70% clay, 10% gravel, 10% debris, 10% sand
					FILL				**Sandy Fat Clay (Fill)**, 75% clay, 30% sand, 5% debris, moist, no odor
1125	8 10 10	GW3-10		10				0.0	
					SM		4" Diameter Schedule 40 PVC Casing, 0.01" Factory Slotted Screen (Typ.)		**Silty Sand**, fine to medium grained sand, saturated, 70% sand, 30% silt
1135	8 8 11	GW3-15		15				0.0	
1140	7 7 7							0.0	
				20	CH				**Sandy Fat Clay**, brown, mottled, moist, 70% clay, 30% sand
					CH				**Fat Clay**, dark brown, stiff, 95% clay, 5% sand, dry
				25					Boring terminated at 21.5' bgs. Groundwater encountered at 10.5' bgs.

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

ALTA ENVIRONMENTAL
Boring Log

PROJECT NUMBER MCGU-13-2252
PROJECT NAME Panama Street Site
LOCATION 12964 Panama Street, Los Angeles, CA
DRILLING METHOD Geoprobe
SAMPLING METHOD Direct-push
BORING DIAMETER 2.25"
BORING DEPTH (FT BGS) 20.5 **WELL DEPTH (FT BGS)** NA
LOGGED BY S. Ridenour **CHECKED BY** S. Ridenour
REMARKS PID calibrated to 50 ppmv Hexane

BORING/WELL NUMBER VA1
DATE DRILLED 6/07/13
CASING DIAMETER/TYPE None
SLOT SIZE NA **SCREEN INTERVAL** NA
GRAVEL PACK TYPE NA
DRILLING CONTRACTOR Strongarm Environmental Field Services
DEPTH TO WATER DURING DRILLING (FT BGS) 11.5
DEPTH TO WATER AFTER INSTALLATION (FT BGS)

TIME	BLOW COUNT	SAMPLE ID.	SAMPLE INTERVAL	DEPTH (BGS)	U.S.C.S.	GRAPHIC LOG	WELL DIAGRAM	PID (ppm)	LITHOLOGIC DESCRIPTION
				0	CL				**Lean Clay**, approximately 60% clay, 30% silt, 10% sand, light brown, dark brown, dark grey to black, moist, very stiff, no odor, no staining
				5	CL				**Lean Clay**, 70% clay, 20% silt, 10% gravel, moist, stiff, no odor, no staining
					ML				**Silt**, 60% silt, 30% clay, 10% coarse sand, moist, stiff, light to medium brown and medium grey, no odor, moist
		VA1-10		10			▽		
					SW-SC				**Well Graded Sand with Clay**, 90% fine to coarse-grained sand, 10% clay, wet, medium dense, moist, no odor
		VA1-15		15					
					CH				**Fat Clay**, medium to highly plastic, medium brown, moist to very moist, no odor, no staining
		VA1-20		20					Boring Terminated at 20.5' bgs Groundwater Encountered at 11.5' bgs
				25					

WELL-MODIFIED MCGU-13-2252.GPJ WELL.GDT 9/11/13

APPENDIX C

Laboratory Analytical Reports

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Jonathan Barkman

Number of Pages 6
Date Received 06/28/2013
Date Reported 07/09/2013

Job Number	Ordered	Client
57489	06/28/2013	ALTAEN

Project ID: MCGU-13-6182
Project Name: Panama Street Site
Site: 12922 Panama Street
L.A., CA

Enclosed are the results of analyses on 3 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# Nº 60752 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57489

CHAIN OF CUSTODY RECORD

Company: Alta Environmental	Report To: jonathan.berkman@altaenvironmental.com
Address: 3777 Long Beach Blvd Long Beach CA	Project Name: Panama Street Site
Telephone: 562-495-5777 Fax: 562-495-5877	Site Address: 17922 Panama Street L.A. CA
Special Instruction:	Project ID: MCGO-13-6182
E-mail:	Project Manager: Mike Cassidy
Address:	Invoice To:
Address:	P.O.#:

ANALYSIS REQUESTED: VOC 8260 TPH(DRO) with 1-Dodecane 8270 ★ TO meta ★

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
	300209	B48A	6/28	0800	5	1 Glass 1 Poly 3 VOA	Water		
	300210	B65A	"	1100	"	"	"		
	300211	B70A	"	1430	"	"	"		

Collected By:		Date 6/28	Time 1530	Relinquished By:	Date Time
Relinquished By:		Date 6/28	Time 15:50	Received For Laboratory	Date 6-28-13 Time 15:50
Received By:		Date	Time	Condition of Sample:	

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street
L.A., CA

Page: **2**

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57489	06/28/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

QC Batch No: 070513-1

Our Lab I.D.			300209	300210	300211		
Client Sample I.D.			B48A	B65A	B70A		
Date Sampled			06/28/2013	06/28/2013	06/28/2013		
Date Prepared			07/05/2013	07/05/2013	07/05/2013		
Preparation Method							
Date Analyzed			07/09/2013	07/09/2013	07/09/2013		
Matrix			Water	Water	Water		
Units			mg/L	mg/L	mg/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
AA Metals							
Mercury	0.0001	0.0005	ND	ND	ND		
ICP Metals							
Antimony	0.0040	0.0100	ND	ND	ND		
Arsenic	0.0030	0.0100	ND	ND	ND		
Barium	0.0010	0.0100	0.0147	0.0574	0.0178		
Beryllium	0.0007	0.0050	ND	ND	ND		
Cadmium	0.0007	0.0050	0.0023J	ND	ND		
Chromium	0.0010	0.0100	ND	ND	ND		
Cobalt	0.0010	0.0100	0.0048J	ND	ND		
Copper	0.0010	0.0100	ND	ND	ND		
Lead	0.0020	0.0050	ND	ND	ND		
Molybdenum	0.0010	0.0100	0.0182	0.0158	0.0143		
Nickel	0.0020	0.0100	0.0201	0.0115	0.0099J		
Selenium	0.0040	0.0100	0.0214	ND	ND		
Silver	0.0010	0.0100	ND	ND	ND		
Thallium	0.0030	0.0100	ND	ND	ND		
Vanadium	0.0010	0.0100	0.0060J	0.0078J	0.0043J		
Zinc	0.0070	0.0100	ND	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 070513-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	103	80-120								
ICP Metals										
Antimony	101	80-120								
Arsenic	97	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57489	06/28/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 070513-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	99	80-120								
Beryllium	107	80-120								
Cadmium	98	80-120								
Chromium	99	80-120								
Cobalt	100	80-120								
Copper	101	80-120								
Lead	99	80-120								
Molybdenum	99	80-120								
Nickel	100	80-120								
Selenium	97	80-120								
Silver	101	80-120								
Thallium	102	80-120								
Vanadium	99	80-120								
Zinc	96	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street
L.A., CA

Page: **4**

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57489	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-070813

Our Lab I.D.			300209	300210	300211		
Client Sample I.D.			B48A	B65A	B70A		
Date Sampled			06/28/2013	06/28/2013	06/28/2013		
Date Prepared			07/08/2013	07/08/2013	07/08/2013		
Preparation Method							
Date Analyzed			07/08/2013	07/08/2013	07/08/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	2.52	5.00	ND	ND	ND		
Benzene	0.0970	1.00	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.291	1.00	ND	ND	ND		
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND	ND	0.920J		
Bromoform (Tribromomethane)	0.284	5.00	ND	ND	ND		
Bromomethane (Methyl bromide)	0.174	3.00	ND	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND	ND	ND		
n-Butylbenzene	0.363	1.00	ND	ND	ND		
sec-Butylbenzene	0.338	1.00	ND	ND	ND		
tert-Butylbenzene	0.235	1.00	ND	ND	ND		
Carbon disulfide	0.463	1.00	ND	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND	ND	ND		
Chlorobenzene	0.176	1.00	ND	ND	ND		
Chloroethane	0.328	3.00	ND	ND	ND		
2-Chloroethyl vinyl ether	0.665	5.00	ND	ND	ND		
Chloroform (Trichloromethane)	0.247	1.00	ND	ND	1.64		
Chloromethane (Methyl chloride)	0.174	3.00	ND	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND	ND	ND		
Dibromochloromethane	0.300	1.00	ND	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND	ND	ND		
Dibromomethane	0.316	1.00	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	1.20	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57489	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-070813

Our Lab I.D.			300209	300210	300211		
Client Sample I.D.			B48A	B65A	B70A		
Date Sampled			06/28/2013	06/28/2013	06/28/2013		
Date Prepared			07/08/2013	07/08/2013	07/08/2013		
Preparation Method							
Date Analyzed			07/08/2013	07/08/2013	07/08/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND	ND	ND		
Dichlorodifluoromethane	0.244	3.00	ND	ND	ND		
1,1-Dichloroethane	0.372	1.00	3.37	ND	ND		
1,2-Dichloroethane	0.182	1.00	ND	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND	ND	ND		
cis-1,2-Dichloroethene	0.279	1.00	22.9	ND	ND		
trans-1,2-Dichloroethene	0.176	1.00	1.27	ND	ND		
1,2-Dichloropropane	0.359	1.00	ND	ND	ND		
1,3-Dichloropropane	0.205	1.00	ND	ND	ND		
2,2-Dichloropropane	0.341	1.00	ND	ND	ND		
1,1-Dichloropropene	0.210	1.00	ND	ND	ND		
cis-1,3-Dichloropropene	0.122	1.00	ND	ND	ND		
trans-1,3-Dichloropropene	0.100	1.00	ND	ND	ND		
Ethylbenzene	0.209	1.00	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND	ND	ND		
2-Hexanone	0.944	5.00	ND	ND	ND		
Isopropylbenzene	0.291	1.00	ND	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND	ND	ND		
MTBE	0.240	2.00	ND	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND	ND	ND		
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND	ND	ND		
Naphthalene	0.375	1.00	ND	ND	ND		
n-Propylbenzene	0.254	1.00	ND	ND	ND		
Styrene	0.122	1.00	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.141	1.00	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.579	1.00	ND	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	67.5	0.480J	6.63		
Toluene (Methyl benzene)	0.282	1.00	ND	ND	ND		
1,2,3-Trichlorobenzene	0.219	1.00	ND	ND	ND		
1,2,4-Trichlorobenzene	0.451	1.00	ND	ND	ND		
1,1,1-Trichloroethane	0.150	1.00	ND	ND	ND		
1,1,2-Trichloroethane	0.233	1.00	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57489	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1B-070813

Our Lab I.D.			300209	300210	300211		
Client Sample I.D.			B48A	B65A	B70A		
Date Sampled			06/28/2013	06/28/2013	06/28/2013		
Date Prepared			07/08/2013	07/08/2013	07/08/2013		
Preparation Method							
Date Analyzed			07/08/2013	07/08/2013	07/08/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichloroethene (TCE)	0.117	1.00	22.6	3.15	0.810J		
Trichlorofluoromethane	0.294	1.00	ND	ND	ND		
1,2,3-Trichloropropane	0.303	1.00	ND	ND	ND		
1,2,4-Trimethylbenzene	0.451	1.00	ND	ND	ND		
1,3,5-Trimethylbenzene	0.219	1.00	ND	ND	ND		
Vinyl acetate	1.62	5.00	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.331	3.00	ND	ND	ND		
o-Xylene	0.262	1.00	ND	ND	ND		
m- & p-Xylenes	0.476	2.00	ND	ND	ND		

Our Lab I.D.			300209	300210	300211		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		102	103	103		
Dibromofluoromethane	70-120		98	109	105		
Toluene-d8	70-120		99	100	100		

QUALITY CONTROL REPORT

QC Batch No: W1B-070813

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	118	105	11.7	75-120	15					
Chlorobenzene	114	104	9.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	114	108	5.4	75-120	15					
MTBE	108	105	2.8	75-120	15					
Toluene (Methyl benzene)	119	118	<1	75-120	15					
Trichloroethene (TCE)	115	110	4.4	75-120	15					

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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Jonathan Barkman

Number of Pages 8
Date Received 06/28/2013
Date Reported 07/10/2013

Job Number	Ordered	Client
57488	06/28/2013	ALTAEN

Project ID:
Project Name: Panama Street Site

Enclosed are the results of analyses on 2 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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Page 1 Of 1

COC# Nº **60753** GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57488

Company: Alta Environmental		Report To: jonathan.barkman@altaenviron.com	ANALYSIS REQUESTED
Address: 5777 Long Beach Blvd Long Beach CA	Project Name: Panama Street Site	Address:	
	Site Address:	Invoice To:	
Telephone: Fax:		Address:	
Special Instruction:	Project ID:		
E-mail:	Project Manager:	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TPH 8015	VOC 8260	TLC Metals 6010	Remarks
	300207	WP-A	6/28	1410	1	1Ri	Soil		X			
	300208	WP-B	6/28	1400	5	VOA Ri	Soil		X	X	X	

Collected By:	Date 6/28	Time 1530	Relinquished By:	Date	Time
Relinquished By:	Date 6/28	Time 15:50	Received For Laboratory	Date 6-28-13	Time 15:50
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - *Report*, Yellow - *Laboratory*, Pink - *Client*

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777
Attn: Jonathan Barkman

Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57488	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 070113-1

Our Lab I.D.		**300208**				
Client Sample I.D.		WP-B				
Date Sampled		06/28/2013				
Date Prepared		07/01/2013				
Preparation Method						
Date Analyzed		07/09/2013				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
AA Metals						
Mercury	0.0500	ND				
ICP Metals						
Antimony	0.500	0.678				
Arsenic	0.250	4.51				
Barium	0.500	182				
Beryllium	0.500	ND				
Cadmium	0.500	2.06				
Chromium	0.500	33.6				
Cobalt	0.500	11.1				
Copper	0.500	31.5				
Lead	0.250	8.12				
Molybdenum	0.500	0.870				
Nickel	0.500	27.1				
Selenium	0.500	ND				
Silver	0.500	ND				
Thallium	0.500	ND				
Vanadium	0.500	44.0				
Zinc	0.500	45.2				

QUALITY CONTROL REPORT

QC Batch No: 070113-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	90	80-120								
ICP Metals										
Antimony	102	80-120								
Arsenic	99	80-120								

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ANALYTICAL RESULTS

Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57488	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 070113-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	105	80-120								
Beryllium	108	80-120								
Cadmium	101	80-120								
Chromium	102	80-120								
Cobalt	102	80-120								
Copper	104	80-120								
Lead	103	80-120								
Molybdenum	100	80-120								
Nickel	103	80-120								
Selenium	98	80-120								
Silver	103	80-120								
Thallium	106	80-120								
Vanadium	103	80-120								
Zinc	94	80-120								

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777
Attn: Jonathan Barkman

Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57488	06/28/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-070513

Our Lab I.D.			**300207**	**300208**			
Client Sample I.D.			WP-A	WP-B			
Date Sampled			06/28/2013	06/28/2013			
Date Prepared			07/05/2013	07/05/2013			
Preparation Method							
Date Analyzed			07/05/2013	07/05/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH DROs (C10 to C28)	1.00	10.0	ND	ND			
TPH OROs (C28+)	17.0	50.0	ND	ND			

Our Lab I.D.			**300207**	**300208**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Chlorobenzene	70-120		115	108			

QUALITY CONTROL REPORT

QC Batch No: S1D-070513

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	85	92	7.9	75-120	<20					

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ANALYTICAL RESULTS

Ordered By

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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Page: **5**

Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57488	06/28/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-070313

Our Lab I.D.			300207	300208			
Client Sample I.D.			WP-A	WP-B			
Date Sampled			06/28/2013	06/28/2013			
Date Prepared			07/05/2013	07/05/2013			
Preparation Method							
Date Analyzed			07/05/2013	07/05/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH GROs (C6 to C10)	0.200	0.500	ND	ND			

Our Lab I.D.			300207	300208			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		100	92			

QUALITY CONTROL REPORT

QC Batch No: S1-070313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	100	97	3.0	75-120	<20					
Toluene	102	99	3.0	75-120	<20					

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777
Attn: Jonathan Barkman

Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57488	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300208				
Client Sample I.D.			WP-B				
Date Sampled			06/28/2013				
Date Prepared			07/04/2013				
Preparation Method							
Date Analyzed			07/04/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	12.7	50.0	41.0J				
Benzene	0.930	2.00	ND				
Bromobenzene (Phenyl bromide)	3.39	10.0	ND				
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND				
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND				
Bromoform (Tribromomethane)	3.39	50.0	ND				
Bromomethane (Methyl bromide)	2.75	30.0	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND				
n-Butylbenzene	2.05	10.0	ND				
sec-Butylbenzene	3.04	10.0	ND				
tert-Butylbenzene	1.34	10.0	ND				
Carbon disulfide	5.53	10.0	ND				
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND				
Chlorobenzene	0.890	10.0	ND				
Chloroethane	2.15	30.0	ND				
2-Chloroethyl vinyl ether	5.53	50.0	ND				
Chloroform (Trichloromethane)	1.24	10.0	ND				
Chloromethane (Methyl chloride)	1.74	30.0	ND				
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND				
Dibromochloromethane	0.650	10.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND				
Dibromomethane	2.30	10.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND				

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ANALYTICAL RESULTS

Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57488	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300208				
Client Sample I.D.			WP-B				
Date Sampled			06/28/2013				
Date Prepared			07/04/2013				
Preparation Method							
Date Analyzed			07/04/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND				
Dichlorodifluoromethane	2.07	30.0	ND				
1,1-Dichloroethane	1.30	10.0	ND				
1,2-Dichloroethane	1.57	10.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND				
cis-1,2-Dichloroethene	2.16	10.0	ND				
trans-1,2-Dichloroethene	2.60	10.0	ND				
1,2-Dichloropropane	0.660	10.0	ND				
1,3-Dichloropropane	0.920	10.0	ND				
2,2-Dichloropropane	1.36	10.0	ND				
1,1-Dichloropropene	1.12	10.0	ND				
cis-1,3-Dichloropropene	0.980	10.0	ND				
trans-1,3-Dichloropropene	0.960	10.0	ND				
Ethylbenzene	1.00	2.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND				
2-Hexanone	3.18	50.0	ND				
Isopropylbenzene	1.42	10.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND				
MTBE	2.90	5.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND				
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND				
Naphthalene	1.14	10.0	ND				
n-Propylbenzene	1.14	10.0	ND				
Styrene	0.800	10.0	ND				
1,1,1,2-Tetrachloroethane	1.28	10.0	ND				
1,1,2,2-Tetrachloroethane	3.25	10.0	ND				
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	8.42J				
Toluene (Methyl benzene)	1.00	2.00	ND				
1,2,3-Trichlorobenzene	1.23	10.0	ND				
1,2,4-Trichlorobenzene	2.82	10.0	ND				
1,1,1-Trichloroethane	2.03	10.0	ND				
1,1,2-Trichloroethane	1.74	10.0	ND				

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ANALYTICAL RESULTS

Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57488	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			**300208**				
Client Sample I.D.			WP-B				
Date Sampled			06/28/2013				
Date Prepared			07/04/2013				
Preparation Method							
Date Analyzed			07/04/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	1.15	10.0	6.62J				
Trichlorofluoromethane	3.15	10.0	ND				
1,2,3-Trichloropropane	1.74	10.0	ND				
1,2,4-Trimethylbenzene	3.19	10.0	ND				
1,3,5-Trimethylbenzene	1.23	10.0	ND				
Vinyl acetate	10.8	50.0	ND				
Vinyl chloride (Chloroethene)	2.79	30.0	ND				
o-Xylene	1.00	2.00	ND				
m- & p-Xylenes	1.80	4.00	ND				

Our Lab I.D.			**300208**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		105				
Dibromofluoromethane	70-120		115				
Toluene-d8	70-120		104				

QUALITY CONTROL REPORT

QC Batch No: S2C-070313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	106	4.8	75-120	15					
Chlorobenzene	99	98	1.0	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	114	118	3.4	75-120	15					
MTBE	92	85	7.9	75-120	15					
Toluene (Methyl benzene)	91	100	9.4	75-120	15					
Trichloroethene (TCE)	116	118	1.7	75-120	15					

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Attn Jonathan Barkman

Number of Pages 34
Date Received 06/28/2013
Date Reported 07/10/2013

Job Number	Ordered	Client
57487	06/28/2013	ALTAEN

Project ID: MCGU-13-6182
Project Name: Panama Street Site
Site: 12922 Panama Street
Los Angeles, CA

Enclosed are the results of analyses on 29 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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COC# № 63984 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57487

CHAIN OF CUSTODY RECORD

Company: A/Tn Environmental		Report To: jonathan.bartman@aecom.com	ANALYSIS REQUESTED
Address: 5777 Long Beach Blvd Long Beach CA	Project Name: Panama Street Site	Address:	
	Site Address: 17922 Panama Street Los Angeles CA	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877		Address:	
Special Instruction:	Project ID: MCCV-13-6182		
E-mail:	Project Manager: Mike Cassidy	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOC 8260	TPH Mod GCID	Remarks
	300178	B73-2.5	6/28/13	0745	5	1 Ring 4 VOA	Soil		X	X	
	300179	B73-5		0750					X	X	
	300180	B73-10		0755					X	X	
	300181	B72-2.5		0810					X	X	
	300182	B72-5		0815					X	X	
	300183	B72-10		0820					X	X	
	300184	B71-2.5		0830					X	X	
	300185	B71-5		0835					X	X	
	300186	B71-10		0840					X	X	
	300187	B66-2.5		0900					X	X	

Collected By:	Date 6/28/13	Time 1500	Relinquished By:	Date	Time
Relinquished By:	Date 6/28/13	Time 15:50	Received For Laboratory	Date 6-28-13	Time 15:50
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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CHAIN OF CUSTODY RECORD

COC# Nº **60745** GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57487

Company: Alta Environmental		Report To: jonathan.barbman@altaenvironmental.com	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd Long Beach CA	Project Name: Panama Street Site	Address:	8260 VOC; 6010 Title 22 Metals
Telephone: 562-495-5777 Fax: 562-495-5877	Site Address: 12922 Panama Street Los Angeles CA	Invoice To: Address:	
Special Instruction:	Project ID: MCCU-13-6182		
E-mail:	Project Manager: Mike Cassidy	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	8260 VOC	6010 Title 22 Metals	Remarks
	300188	B66 - 5	6/28/13	0905	5	1 Ring 4oz	Soil		X	X	
	300189	B66 -10		0910	5				X	X	
	300190	B64 - 2.5		0925	5				X	X	
	300191	B64 - 5		0930	5				X	X	
	300192	B64-10		0935	5				X	X	
	300193	B65-2.5		1100	5				X	X	
	300194	B65 - 5		1110	5				X	X	
	300195	B65 - 10		1120	5				X	X	
	300196	B70 - 2.5		1300	5				X	X	
	300197	B70 - 5		1310	5				X	X	

Collected By:	Date 6/28	Time 1530	Relinquished By:	Date	Time
Relinquished By:	Date 6/28	Time 15:30	Received For Laboratory	Date 6-28-13	Time 15:50
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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COC# № **60744** GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57487

Company: Alta Environmental		Report To: jonathan.boardman@altaenv.com	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd Long Beach CA	Project Name: Panama Street Site	Address:	VOC 8260 / PAH 8270
Telephone: 562-495-5777 Fax: 562-495-5877	Site Address: 17922 Panama Street LA, CA	Invoice To:	
Special Instruction:	Project ID: MCGO-13-6182	Address:	
E-mail:	Project Manager: Mike Cassidy	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOC 8260	PAH 8270	Remarks
	300198	B70-10	6/28/13	1320	5	1 Ring 4 VOA	Soil		X	X	
	300199	B69-2.5	↓	1330	↓	↓	↓		X	X	
	300200	B69-5		1340					X	X	
	300201	B69-10		1350					X	X	
	300202	B68 2.5		1430					X	X	
	300203	B68-5		1440					X	X	
	300204	B 67-2.5		14:00	5	1 Ring 4 VOA	Soil		x	x	
	300205	B 67-5.0		13:40	5	↓	↓		x	x	
	300206	B 67-10.0	↓	13:50	5	↓	↓		x	x	

Collected By:	Date 6/28	Time 1550	Relinquished By:	Date	Time
Relinquished By:	Date 6/28	Time 15:50	Received For Laboratory	Date 6-28-13	Time 15:50
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - *Report*, Yellow - *Laboratory*, Pink - *Client*

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ANALYTICAL RESULTS

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ALTA Environmental
3777 Long Beach Blvd. Annex Bl
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Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 070513-3

Our Lab I.D.		300178	300179	300180	300181	300182
Client Sample I.D.		B73-2.5	B73-5	B73-10	B72-2.5	B72-5
Date Sampled		06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared		07/05/2013	07/05/2013	07/05/2013	07/05/2013	07/05/2013
Preparation Method						
Date Analyzed		07/09/2013	07/09/2013	07/09/2013	07/09/2013	07/09/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	ND	0.0594	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	1.38	1.44	5.60	2.01	4.94
Barium	0.500	104	89.3	64.8	97.9	109
Beryllium	0.500	ND	ND	ND	ND	ND
Cadmium	0.500	1.66	1.09	1.97	1.71	1.92
Chromium	0.500	25.3	24.3	35.8	26.2	33.0
Cobalt	0.500	5.51	4.39	5.89	5.36	5.47
Copper	0.500	99.0	15.9	19.6	131	23.4
Lead	0.250	7.43	2.19	1.95	13.0	2.93
Molybdenum	0.500	ND	ND	ND	ND	1.40
Nickel	0.500	16.4	18.3	23.4	16.0	25.4
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	31.3	29.7	54.8	32.6	47.2
Zinc	0.500	55.6	35.6	43.6	61.6	44.7

QUALITY CONTROL REPORT

QC Batch No: 070513-3

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	87	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	92	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 070513-3

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	92	80-120								
Beryllium	98	80-120								
Cadmium	90	80-120								
Chromium	92	80-120								
Cobalt	92	80-120								
Copper	95	80-120								
Lead	91	80-120								
Molybdenum	92	80-120								
Nickel	93	80-120								
Selenium	92	80-120								
Silver	94	80-120								
Thallium	94	80-120								
Vanadium	93	80-120								
Zinc	88	80-120								

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ANALYTICAL RESULTS

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Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

Page: **4**

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 070513-3

Our Lab I.D.		300183	300184	300185	300186	300187
Client Sample I.D.		B72-10	B71-2.5	B71-5	B71-10	B66-2.5
Date Sampled		06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared		07/05/2013	07/05/2013	07/05/2013	07/05/2013	07/05/2013
Preparation Method						
Date Analyzed		07/09/2013	07/09/2013	07/09/2013	07/09/2013	07/09/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	0.0845
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	2.33	10.3	5.59	5.84	1.30
Barium	0.500	76.0	72.4	108	98.4	101
Beryllium	0.500	ND	ND	ND	ND	ND
Cadmium	0.500	1.84	2.23	1.65	1.96	1.85
Chromium	0.500	38.8	31.2	23.4	28.2	27.4
Cobalt	0.500	6.90	8.86	7.53	7.66	5.99
Copper	0.500	23.8	22.8	16.5	21.9	140
Lead	0.250	2.14	4.66	2.94	3.10	10.0
Molybdenum	0.500	ND	ND	2.84	0.769	0.609
Nickel	0.500	24.9	16.5	20.6	24.3	15.6
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	58.1	66.7	40.1	45.0	34.3
Zinc	0.500	45.6	68.9	35.4	46.5	63.1

QUALITY CONTROL REPORT

QC Batch No: 070513-3

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	87	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	92	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 070513-3

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**92**	**80-120**								
Beryllium	**98**	**80-120**								
Cadmium	**90**	**80-120**								
Chromium	**92**	**80-120**								
Cobalt	**92**	**80-120**								
Copper	**95**	**80-120**								
Lead	**91**	**80-120**								
Molybdenum	**92**	**80-120**								
Nickel	**93**	**80-120**								
Selenium	**92**	**80-120**								
Silver	**94**	**80-120**								
Thallium	**94**	**80-120**								
Vanadium	**93**	**80-120**								
Zinc	**88**	**80-120**								

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ANALYTICAL RESULTS

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Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 070513-3

Our Lab I.D.		300188	300189	300190	300191	300192
Client Sample I.D.		B66-5	B66-10	B64-2.5	B64-5	B64-10
Date Sampled		06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared		07/05/2013	07/05/2013	07/05/2013	07/05/2013	07/05/2013
Preparation Method						
Date Analyzed		07/09/2013	07/09/2013	07/09/2013	07/09/2013	07/09/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	1.11	ND	ND	ND	ND
Arsenic	0.250	5.27	5.78	8.36	3.00	6.71
Barium	0.500	163	56.7	130	124	76.7
Beryllium	0.500	ND	ND	0.580	0.507	ND
Cadmium	0.500	1.76	1.52	2.34	1.78	1.68
Chromium	0.500	24.9	23.0	40.4	35.5	25.0
Cobalt	0.500	8.41	6.18	12.0	9.41	6.40
Copper	0.500	21.4	19.0	33.8	30.5	21.1
Lead	0.250	3.00	2.82	4.00	3.65	2.68
Molybdenum	0.500	1.12	0.868	ND	0.967	1.29
Nickel	0.500	24.3	21.5	31.2	28.4	23.6
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	47.5	42.1	69.1	49.7	44.0
Zinc	0.500	40.6	39.5	62.0	57.4	45.0

QUALITY CONTROL REPORT

QC Batch No: 070513-3

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	87	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	92	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 070513-3

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**92**	**80-120**								
Beryllium	**98**	**80-120**								
Cadmium	**90**	**80-120**								
Chromium	**92**	**80-120**								
Cobalt	**92**	**80-120**								
Copper	**95**	**80-120**								
Lead	**91**	**80-120**								
Molybdenum	**92**	**80-120**								
Nickel	**93**	**80-120**								
Selenium	**92**	**80-120**								
Silver	**94**	**80-120**								
Thallium	**94**	**80-120**								
Vanadium	**93**	**80-120**								
Zinc	**88**	**80-120**								

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ANALYTICAL RESULTS

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Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

Page: **8**

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 070513-4

Our Lab I.D.		300193	300194	300195	300196	300197
Client Sample I.D.		B65-2.5	B65-5	B65-10	B70-2.5	B70-5
Date Sampled		06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared		07/05/2013	07/05/2013	07/05/2013	07/05/2013	07/05/2013
Preparation Method						
Date Analyzed		07/09/2013	07/09/2013	07/09/2013	07/09/2013	07/09/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	2.61	4.36	3.12	7.13	5.90
Barium	0.500	86.6	94.7	100	105	65.6
Beryllium	0.500	ND	ND	ND	ND	ND
Cadmium	0.500	1.65	1.72	1.70	1.93	1.48
Chromium	0.500	29.2	30.6	23.8	27.4	20.6
Cobalt	0.500	6.56	6.49	6.33	6.63	5.09
Copper	0.500	38.9	25.7	20.8	62.2	15.3
Lead	0.250	3.87	3.45	2.71	11.9	2.47
Molybdenum	0.500	ND	1.55	0.670	ND	ND
Nickel	0.500	19.3	24.9	22.0	19.4	17.3
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	42.5	45.4	40.2	41.4	34.6
Zinc	0.500	48.4	46.7	40.3	67.6	35.3

QUALITY CONTROL REPORT

QC Batch No: 070513-4

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	90	80-120								
ICP Metals										
Antimony	90	80-120								
Arsenic	91	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 070513-4

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**92**	**80-120**								
Beryllium	**98**	**80-120**								
Cadmium	**90**	**80-120**								
Chromium	**90**	**80-120**								
Cobalt	**92**	**80-120**								
Copper	**93**	**80-120**								
Lead	**90**	**80-120**								
Molybdenum	**90**	**80-120**								
Nickel	**92**	**80-120**								
Selenium	**90**	**80-120**								
Silver	**90**	**80-120**								
Thallium	**95**	**80-120**								
Vanadium	**91**	**80-120**								
Zinc	**88**	**80-120**								

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ANALYTICAL RESULTS

Ordered By

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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

Page: **10**

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 070513-4

Our Lab I.D.		300198	300199	300200	300201	300202
Client Sample I.D.		B70-10	B69-2.5	B69-5	B69-10	B68-2.5
Date Sampled		06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared		07/05/2013	07/05/2013	07/05/2013	07/05/2013	07/05/2013
Preparation Method						
Date Analyzed		07/09/2013	07/09/2013	07/09/2013	07/09/2013	07/09/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	0.0591	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	1.25	ND	0.991
Arsenic	0.250	7.70	2.71	3.80	6.41	1.62
Barium	0.500	90.6	105	80.6	57.4	74.6
Beryllium	0.500	ND	ND	ND	ND	ND
Cadmium	0.500	1.78	1.68	1.27	1.61	1.32
Chromium	0.500	28.0	23.9	17.3	22.5	21.0
Cobalt	0.500	7.23	6.03	4.27	6.53	4.45
Copper	0.500	21.4	92.4	12.1	17.6	77.1
Lead	0.250	3.06	15.2	2.17	2.51	5.78
Molybdenum	0.500	0.732	ND	0.543	ND	ND
Nickel	0.500	23.3	16.9	14.8	21.5	12.9
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	47.6	34.1	34.7	41.3	28.2
Zinc	0.500	42.0	62.9	24.2	36.9	42.9

QUALITY CONTROL REPORT

QC Batch No: 070513-4

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	90	80-120								
ICP Metals										
Antimony	90	80-120								
Arsenic	91	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 070513-4

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**92**	**80-120**								
Beryllium	**98**	**80-120**								
Cadmium	**90**	**80-120**								
Chromium	**90**	**80-120**								
Cobalt	**92**	**80-120**								
Copper	**93**	**80-120**								
Lead	**90**	**80-120**								
Molybdenum	**90**	**80-120**								
Nickel	**92**	**80-120**								
Selenium	**90**	**80-120**								
Silver	**90**	**80-120**								
Thallium	**95**	**80-120**								
Vanadium	**91**	**80-120**								
Zinc	**88**	**80-120**								

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ANALYTICAL RESULTS

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 070513-4

Our Lab I.D.		300203	300204	300205	300206	
Client Sample I.D.		B68-5	B67-2.5	B67-5	B67-10	
Date Sampled		06/28/2013	06/28/2013	06/28/2013	06/28/2013	
Date Prepared		07/05/2013	07/05/2013	07/05/2013	07/05/2013	
Preparation Method						
Date Analyzed		07/09/2013	07/09/2013	07/09/2013	07/09/2013	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
AA Metals						
Mercury	0.0500	ND	0.0950	ND	ND	
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	
Arsenic	0.250	1.83	1.22	5.20	4.57	
Barium	0.500	73.3	96.5	139	70.8	
Beryllium	0.500	ND	ND	ND	ND	
Cadmium	0.500	1.27	1.37	1.58	1.56	
Chromium	0.500	29.4	20.6	24.1	25.6	
Cobalt	0.500	5.09	6.47	7.08	5.59	
Copper	0.500	19.3	47.9	19.2	17.8	
Lead	0.250	2.12	9.90	2.97	2.98	
Molybdenum	0.500	ND	1.82	0.957	ND	
Nickel	0.500	20.4	14.7	23.1	19.9	
Selenium	0.500	ND	ND	ND	ND	
Silver	0.500	ND	ND	ND	ND	
Thallium	0.500	ND	ND	ND	ND	
Vanadium	0.500	41.4	35.9	48.1	41.6	
Zinc	0.500	36.3	45.8	36.4	37.5	

QUALITY CONTROL REPORT

QC Batch No: 070513-4

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	90	80-120								
ICP Metals										
Antimony	90	80-120								
Arsenic	91	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 070513-4

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**92**	**80-120**								
Beryllium	**98**	**80-120**								
Cadmium	**90**	**80-120**								
Chromium	**90**	**80-120**								
Cobalt	**92**	**80-120**								
Copper	**93**	**80-120**								
Lead	**90**	**80-120**								
Molybdenum	**90**	**80-120**								
Nickel	**92**	**80-120**								
Selenium	**90**	**80-120**								
Silver	**90**	**80-120**								
Thallium	**95**	**80-120**								
Vanadium	**91**	**80-120**								
Zinc	**88**	**80-120**								

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ANALYTICAL RESULTS

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-070313

Our Lab I.D.			300178	300179	300180	300181	300182
Client Sample I.D.			B73-2.5	B73-5	B73-10	B72-2.5	B72-5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/03/2013	07/03/2013	07/03/2013	07/03/2013	07/03/2013
Preparation Method							
Date Analyzed			07/03/2013	07/03/2013	07/03/2013	07/03/2013	07/03/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	48.0J	ND	ND	70.0	61.4
Benzene	0.930	2.00	8.52	ND	ND	5.18	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-070313

Our Lab I.D.			300178	300179	300180	300181	300182
Client Sample I.D.			B73-2.5	B73-5	B73-10	B72-2.5	B72-5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/03/2013	07/03/2013	07/03/2013	07/03/2013	07/03/2013
Preparation Method							
Date Analyzed			07/03/2013	07/03/2013	07/03/2013	07/03/2013	07/03/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	210	4.36J	29.6	400	18.7
Toluene (Methyl benzene)	1.00	2.00	4.04	ND	ND	2.48	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-070313

Our Lab I.D.			300178	300179	300180	300181	300182
Client Sample I.D.			B73-2.5	B73-5	B73-10	B72-2.5	B72-5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/03/2013	07/03/2013	07/03/2013	07/03/2013	07/03/2013
Preparation Method							
Date Analyzed			07/03/2013	07/03/2013	07/03/2013	07/03/2013	07/03/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	2.16J	ND	ND	4.74J	ND
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			300178	300179	300180	300181	300182
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		112	102	108	117	112
Dibromofluoromethane	70-120		118	108	110	118	114
Toluene-d8	70-120		101	104	102	101	106

QUALITY CONTROL REPORT

QC Batch No: S1C-070313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	103	106	2.9	75-120	15					
Chlorobenzene	99	101	2.0	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	102	109	6.6	75-120	15					
MTBE	93	91	2.2	75-120	15					
Toluene (Methyl benzene)	102	103	<1	75-120	15					
Trichloroethene (TCE)	104	105	<1	75-120	15					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-070313

Our Lab I.D.			300183	300184	300185		
Client Sample I.D.			B72-10	B71-2.5	B71-5		
Date Sampled			06/28/2013	06/28/2013	06/28/2013		
Date Prepared			07/03/2013	07/03/2013	07/03/2013		
Preparation Method							
Date Analyzed			07/03/2013	07/03/2013	07/03/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	12.7	50.0	ND	69.6	21.0J		
Benzene	0.930	2.00	ND	ND	ND		
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND		
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND		
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	16.3J	ND		
n-Butylbenzene	2.05	10.0	ND	ND	ND		
sec-Butylbenzene	3.04	10.0	ND	ND	ND		
tert-Butylbenzene	1.34	10.0	ND	ND	ND		
Carbon disulfide	5.53	10.0	ND	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND		
Chlorobenzene	0.890	10.0	ND	ND	ND		
Chloroethane	2.15	30.0	ND	ND	ND		
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND		
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND		
Dibromochloromethane	0.650	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND		
Dibromomethane	2.30	10.0	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-070313

Our Lab I.D.			300183	300184	300185		
Client Sample I.D.			B72-10	B71-2.5	B71-5		
Date Sampled			06/28/2013	06/28/2013	06/28/2013		
Date Prepared			07/03/2013	07/03/2013	07/03/2013		
Preparation Method							
Date Analyzed			07/03/2013	07/03/2013	07/03/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND		
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND		
1,1-Dichloroethane	1.30	10.0	ND	ND	ND		
1,2-Dichloroethane	1.57	10.0	ND	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND		
1,2-Dichloropropane	0.660	10.0	ND	ND	ND		
1,3-Dichloropropane	0.920	10.0	ND	ND	ND		
2,2-Dichloropropane	1.36	10.0	ND	ND	ND		
1,1-Dichloropropene	1.12	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND		
Ethylbenzene	1.00	2.00	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND		
2-Hexanone	3.18	50.0	ND	ND	ND		
Isopropylbenzene	1.42	10.0	ND	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND		
MTBE	2.90	5.00	ND	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND		
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND		
Naphthalene	1.14	10.0	ND	ND	ND		
n-Propylbenzene	1.14	10.0	ND	ND	ND		
Styrene	0.800	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	31.2	125	32.0		
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND		
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND		
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND		
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND		

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-070313

Our Lab I.D.			300183	300184	300185		
Client Sample I.D.			B72-10	B71-2.5	B71-5		
Date Sampled			06/28/2013	06/28/2013	06/28/2013		
Date Prepared			07/03/2013	07/03/2013	07/03/2013		
Preparation Method							
Date Analyzed			07/03/2013	07/03/2013	07/03/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichloroethene (TCE)	1.15	10.0	ND	ND	ND		
Trichlorofluoromethane	3.15	10.0	ND	ND	ND		
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND		
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND		
Vinyl acetate	10.8	50.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND		
o-Xylene	1.00	2.00	ND	ND	ND		
m- & p-Xylenes	1.80	4.00	ND	ND	ND		

Our Lab I.D.			300183	300184	300185		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		103	114	115		
Dibromofluoromethane	70-120		112	113	113		
Toluene-d8	70-120		100	101	104		

QUALITY CONTROL REPORT

QC Batch No: S1C-070313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	103	106	2.9	75-120	15					
Chlorobenzene	99	101	2.0	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	102	109	6.6	75-120	15					
MTBE	93	91	2.2	75-120	15					
Toluene (Methyl benzene)	102	103	<1	75-120	15					
Trichloroethene (TCE)	104	105	<1	75-120	15					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
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Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300186	300187	300188	300189	300190
Client Sample I.D.			B71-10	B66-2.5	B66-5	B66-10	B64-2.5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	29.6J	ND	ND	22.6J
Benzene	0.930	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300186	300187	300188	300189	300190
Client Sample I.D.			B71-10	B66-2.5	B66-5	B66-10	B64-2.5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	75.4	2.14J	ND	ND	ND
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300186	300187	300188	300189	300190
Client Sample I.D.			B71-10	B66-2.5	B66-5	B66-10	B64-2.5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	3.22J	ND	2.80J	ND
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			300186	300187	300188	300189	300190
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		108	112	118	116	103
Dibromofluoromethane	70-120		117	112	102	118	116
Toluene-d8	70-120		104	104	105	102	107

QUALITY CONTROL REPORT

QC Batch No: S2C-070313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	106	4.8	75-120	15					
Chlorobenzene	99	98	1.0	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	114	118	3.4	75-120	15					
MTBE	92	85	7.9	75-120	15					
Toluene (Methyl benzene)	91	100	9.4	75-120	15					
Trichloroethene (TCE)	116	118	1.7	75-120	15					

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ANALYTICAL RESULTS

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Site

12922 Panama Street
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300191	300192	300193	300194	300195
Client Sample I.D.			B64-5	B64-10	B65-2.5	B65-5	B65-10
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	20.2J	ND	ND
Benzene	0.930	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300191	300192	300193	300194	300195
Client Sample I.D.			B64-5	B64-10	B65-2.5	B65-5	B65-10
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND	2.10J	ND	ND
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300191	300192	300193	300194	300195
Client Sample I.D.			B64-5	B64-10	B65-2.5	B65-5	B65-10
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	ND	8.68J	2.34J	3.58J
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			300191	300192	300193	300194	300195
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		102	118	116	102	105
Dibromofluoromethane	70-120		118	116	119	111	113
Toluene-d8	70-120		106	102	109	109	112

QUALITY CONTROL REPORT

QC Batch No: S2C-070313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	106	4.8	75-120	15					
Chlorobenzene	99	98	1.0	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	114	118	3.4	75-120	15					
MTBE	92	85	7.9	75-120	15					
Toluene (Methyl benzene)	91	100	9.4	75-120	15					
Trichloroethene (TCE)	116	118	1.7	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300196	300197	300198	300199	300200
Client Sample I.D.			B70-2.5	B70-5	B70-10	B69-2.5	B69-5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	71.8	25.6J	ND	74.0	22.0J
Benzene	0.930	2.00	3.28	ND	ND	6.06	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	12.1J	ND	ND	10.0J	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300196	300197	300198	300199	300200
Client Sample I.D.			B70-2.5	B70-5	B70-10	B69-2.5	B69-5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	286	6.00J	5.02J	102	4.76J
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	3.10	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300196	300197	300198	300199	300200
Client Sample I.D.			B70-2.5	B70-5	B70-10	B69-2.5	B69-5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	16.0	ND	ND	2.00J	ND
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			300196	300197	300198	300199	300200
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		116	117	108	112	116
Dibromofluoromethane	70-120		117	111	111	117	119
Toluene-d8	70-120		105	102	109	104	105

QUALITY CONTROL REPORT

QC Batch No: S2C-070313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	106	4.8	75-120	15					
Chlorobenzene	99	98	1.0	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	114	118	3.4	75-120	15					
MTBE	92	85	7.9	75-120	15					
Toluene (Methyl benzene)	91	100	9.4	75-120	15					
Trichloroethene (TCE)	116	118	1.7	75-120	15					

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ANALYTICAL RESULTS

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Site

12922 Panama Street
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300201	300202	300203	300204	300205
Client Sample I.D.			B69-10	B68-2.5	B68-5	B67-2.5	B67-5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	38.0J	50.4	22.1J	67.0	36.0J
Benzene	0.930	2.00	ND	ND	ND	2.36	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	6.06J	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	23.2	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300201	300202	300203	300204	300205
Client Sample I.D.			B69-10	B68-2.5	B68-5	B67-2.5	B67-5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	7.38J	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	24.7	11.5	2.92J	62.0	1.20J
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300201	300202	300203	300204	300205
Client Sample I.D.			B69-10	B68-2.5	B68-5	B67-2.5	B67-5
Date Sampled			06/28/2013	06/28/2013	06/28/2013	06/28/2013	06/28/2013
Date Prepared			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Preparation Method							
Date Analyzed			07/04/2013	07/04/2013	07/04/2013	07/04/2013	07/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	ND	ND	56.0	1.26J
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			300201	300202	300203	300204	300205
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		107	115	105	116	105
Dibromofluoromethane	70-120		117	119	118	118	116
Toluene-d8	70-120		102	109	104	101	105

QUALITY CONTROL REPORT

QC Batch No: S2C-070313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	106	4.8	75-120	15					
Chlorobenzene	99	98	1.0	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	114	118	3.4	75-120	15					
MTBE	92	85	7.9	75-120	15					
Toluene (Methyl benzene)	91	100	9.4	75-120	15					
Trichloroethene (TCE)	116	118	1.7	75-120	15					

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ANALYTICAL RESULTS

Ordered By

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Site

12922 Panama Street
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			**300206**				
Client Sample I.D.			B67-10				
Date Sampled			06/28/2013				
Date Prepared			07/04/2013				
Preparation Method							
Date Analyzed			07/04/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	12.7	50.0	22.8J				
Benzene	0.930	2.00	ND				
Bromobenzene (Phenyl bromide)	3.39	10.0	ND				
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND				
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND				
Bromoform (Tribromomethane)	3.39	50.0	ND				
Bromomethane (Methyl bromide)	2.75	30.0	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND				
n-Butylbenzene	2.05	10.0	ND				
sec-Butylbenzene	3.04	10.0	ND				
tert-Butylbenzene	1.34	10.0	ND				
Carbon disulfide	5.53	10.0	ND				
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND				
Chlorobenzene	0.890	10.0	ND				
Chloroethane	2.15	30.0	ND				
2-Chloroethyl vinyl ether	5.53	50.0	ND				
Chloroform (Trichloromethane)	1.24	10.0	ND				
Chloromethane (Methyl chloride)	1.74	30.0	ND				
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND				
Dibromochloromethane	0.650	10.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND				
Dibromomethane	2.30	10.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300206				
Client Sample I.D.			B67-10				
Date Sampled			06/28/2013				
Date Prepared			07/04/2013				
Preparation Method							
Date Analyzed			07/04/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND				
Dichlorodifluoromethane	2.07	30.0	ND				
1,1-Dichloroethane	1.30	10.0	ND				
1,2-Dichloroethane	1.57	10.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND				
cis-1,2-Dichloroethene	2.16	10.0	ND				
trans-1,2-Dichloroethene	2.60	10.0	ND				
1,2-Dichloropropane	0.660	10.0	ND				
1,3-Dichloropropane	0.920	10.0	ND				
2,2-Dichloropropane	1.36	10.0	ND				
1,1-Dichloropropene	1.12	10.0	ND				
cis-1,3-Dichloropropene	0.980	10.0	ND				
trans-1,3-Dichloropropene	0.960	10.0	ND				
Ethylbenzene	1.00	2.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND				
2-Hexanone	3.18	50.0	ND				
Isopropylbenzene	1.42	10.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND				
MTBE	2.90	5.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND				
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND				
Naphthalene	1.14	10.0	ND				
n-Propylbenzene	1.14	10.0	ND				
Styrene	0.800	10.0	ND				
1,1,1,2-Tetrachloroethane	1.28	10.0	ND				
1,1,2,2-Tetrachloroethane	3.25	10.0	ND				
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	2.82J				
Toluene (Methyl benzene)	1.00	2.00	ND				
1,2,3-Trichlorobenzene	1.23	10.0	ND				
1,2,4-Trichlorobenzene	2.82	10.0	ND				
1,1,1-Trichloroethane	2.03	10.0	ND				
1,1,2-Trichloroethane	1.74	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Street Site

ASL Job Number	Submitted	Client
57487	06/28/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-070313

Our Lab I.D.			300206				
Client Sample I.D.			B67-10				
Date Sampled			06/28/2013				
Date Prepared			07/04/2013				
Preparation Method							
Date Analyzed			07/04/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	1.15	10.0	3.16J				
Trichlorofluoromethane	3.15	10.0	ND				
1,2,3-Trichloropropane	1.74	10.0	ND				
1,2,4-Trimethylbenzene	3.19	10.0	ND				
1,3,5-Trimethylbenzene	1.23	10.0	ND				
Vinyl acetate	10.8	50.0	ND				
Vinyl chloride (Chloroethene)	2.79	30.0	ND				
o-Xylene	1.00	2.00	ND				
m- & p-Xylenes	1.80	4.00	ND				

Our Lab I.D.			300206				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		110				
Dibromofluoromethane	70-120		119				
Toluene-d8	70-120		107				

QUALITY CONTROL REPORT

QC Batch No: S2C-070313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	106	4.8	75-120	15					
Chlorobenzene	99	98	1.0	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	114	118	3.4	75-120	15					
MTBE	92	85	7.9	75-120	15					
Toluene (Methyl benzene)	91	100	9.4	75-120	15					
Trichloroethene (TCE)	116	118	1.7	75-120	15					

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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Jonathan Barkman

Number of Pages 9
Date Received 06/18/2013
Date Reported 06/20/2013

Job Number	Ordered	Client
57354	06/18/2013	ALTAEN

Project ID: MCGU-13
Project Name: Panama Site
Site: 12955 Panama Street
Los angeles, CA

Enclosed are the results of analyses on 3 samples analyzed as specified on attached chain of custody.



Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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Page 1 Of 1

COC# Nº 63982 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57354

Company: Alta Environmental		Report To: Jonathan Barkman Jbarkman@altaenvironmental.com	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd	Project Name: Panamera Site	Address:	
Long Beach CA	Site Address: 17922 Panamera Street	Invoice To:	
Telephone: 562-495-5777	Los Angeles CA	Address:	
Fax: 562-495-5877	Project ID: NCGW-13		
Special Instruction:	Project Manager: Mike Cassidy	P.O.#:	
E-mail: jbarkman@altaenvironmental.com			

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOCs 8260B	TCL Metals 6010	1,4-Dioxane 8270 *Low Detection Limit	*	*	Remarks
	299438	GW1	6/18/13	0835	6	3 VOA 2 Glass 1 Poly	Water		X	X	X			
	299439	GW2	6/18/13	0745	6	"			X	X	X			
	299440	GW3	6/18/13	0815	6	"			X	X	X			

Collected By:	Date 6/18/13	Time 0900	Relinquished By:	Date	Time
Relinquished By:	Date 6/18/13	Time 13:30	Received For Laboratory	Date 6-18-13	Time 13:3
Received By:	Date	Time	Condition of Sample:		

TAT ☐ Normal ☒ Rush 48-hr

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12955 Panama Street
Los angeles, CA

Page: **2**

Project ID: MCGU-13
Project Name: Panama Site

ASL Job Number	Submitted	Client
57354	06/18/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

QC Batch No: 061913-2

Our Lab I.D.			299438	299439	299440		
Client Sample I.D.			GW1	GW2	GW3		
Date Sampled			06/18/2013	06/18/2013	06/18/2013		
Date Prepared			06/19/2013	06/19/2013	06/19/2013		
Preparation Method							
Date Analyzed			06/20/2013	06/20/2013	06/20/2013		
Matrix			Water	Water	Water		
Units			mg/L	mg/L	mg/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
AA Metals							
Mercury	0.0001	0.0005	ND	ND	ND		
ICP Metals							
Antimony	0.0040	0.0100	ND	ND	ND		
Arsenic	0.0030	0.0100	ND	ND	ND		
Barium	0.0010	0.0100	0.0520	0.0249	0.0331		
Beryllium	0.0007	0.0050	ND	ND	ND		
Cadmium	0.0007	0.0050	ND	ND	ND		
Chromium	0.0010	0.0100	ND	ND	ND		
Cobalt	0.0010	0.0100	ND	ND	ND		
Copper	0.0010	0.0100	ND	ND	ND		
Lead	0.0020	0.0050	ND	ND	ND		
Molybdenum	0.0010	0.0100	0.0426	0.0179	0.0180		
Nickel	0.0020	0.0100	0.0180	0.0141	ND		
Selenium	0.0040	0.0100	ND	ND	ND		
Silver	0.0010	0.0100	ND	ND	ND		
Thallium	0.0030	0.0100	ND	ND	ND		
Vanadium	0.0010	0.0100	ND	ND	ND		
Zinc	0.0070	0.0100	0.0137	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 061913-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	94	80-120								
ICP Metals										
Antimony	106	80-120								
Arsenic	101	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13
Project Name: Panama Site

ASL Job Number	Submitted	Client
57354	06/18/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 061913-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	105	80-120								
Beryllium	114	80-120								
Cadmium	103	80-120								
Chromium	104	80-120								
Cobalt	104	80-120								
Copper	106	80-120								
Lead	105	80-120								
Molybdenum	101	80-120								
Nickel	105	80-120								
Selenium	100	80-120								
Silver	106	80-120								
Thallium	107	80-120								
Vanadium	102	80-120								
Zinc	97	80-120								

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ANALYTICAL RESULTS

Ordered By

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Attn: Jonathan Barkman

Site

12955 Panama Street
Los angeles, CA

Page: **4**

Project ID: MCGU-13
Project Name: Panama Site

ASL Job Number	Submitted	Client
57354	06/18/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061913

Our Lab I.D.			299438	299439			
Client Sample I.D.			GW1	GW2			
Date Sampled			06/18/2013	06/18/2013			
Date Prepared			06/19/2013	06/19/2013			
Preparation Method							
Date Analyzed			06/19/2013	06/19/2013			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	2.52	5.00	ND	ND			
Benzene	0.0970	1.00	ND	ND			
Bromobenzene (Phenyl bromide)	0.291	1.00	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND	0.945J			
Bromoform (Tribromomethane)	0.284	5.00	ND	0.465J			
Bromomethane (Methyl bromide)	0.174	3.00	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND	ND			
n-Butylbenzene	0.363	1.00	ND	ND			
sec-Butylbenzene	0.338	1.00	ND	ND			
tert-Butylbenzene	0.235	1.00	ND	ND			
Carbon disulfide	0.463	1.00	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND	ND			
Chlorobenzene	0.176	1.00	ND	ND			
Chloroethane	0.328	3.00	ND	ND			
2-Chloroethyl vinyl ether	0.665	5.00	ND	ND			
Chloroform (Trichloromethane)	0.247	1.00	0.670J	0.875J			
Chloromethane (Methyl chloride)	0.174	3.00	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND	ND			
Dibromochloromethane	0.300	1.00	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND	ND			
Dibromomethane	0.316	1.00	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13
Project Name: Panama Site

ASL Job Number	Submitted	Client
57354	06/18/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061913

Our Lab I.D.			299438	299439			
Client Sample I.D.			GW1	GW2			
Date Sampled			06/18/2013	06/18/2013			
Date Prepared			06/19/2013	06/19/2013			
Preparation Method							
Date Analyzed			06/19/2013	06/19/2013			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND	ND			
Dichlorodifluoromethane	0.244	3.00	ND	ND			
1,1-Dichloroethane	0.372	1.00	ND	ND			
1,2-Dichloroethane	0.182	1.00	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND	ND			
cis-1,2-Dichloroethene	0.279	1.00	13.5	ND			
trans-1,2-Dichloroethene	0.176	1.00	0.290J	ND			
1,2-Dichloropropane	0.359	1.00	ND	ND			
1,3-Dichloropropane	0.205	1.00	ND	ND			
2,2-Dichloropropane	0.341	1.00	ND	ND			
1,1-Dichloropropene	0.210	1.00	ND	ND			
cis-1,3-Dichloropropene	0.122	1.00	ND	ND			
trans-1,3-Dichloropropene	0.100	1.00	ND	ND			
Ethylbenzene	0.209	1.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND	ND			
2-Hexanone	0.944	5.00	ND	ND			
Isopropylbenzene	0.291	1.00	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND	ND			
MTBE	0.240	2.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND	ND			
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND	ND			
Naphthalene	0.375	1.00	ND	ND			
n-Propylbenzene	0.254	1.00	ND	ND			
Styrene	0.122	1.00	ND	ND			
1,1,1,2-Tetrachloroethane	0.141	1.00	ND	ND			
1,1,2,2-Tetrachloroethane	0.579	1.00	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	30.8	ND			
Toluene (Methyl benzene)	0.282	1.00	ND	ND			
1,2,3-Trichlorobenzene	0.219	1.00	ND	ND			
1,2,4-Trichlorobenzene	0.451	1.00	ND	ND			
1,1,1-Trichloroethane	0.150	1.00	ND	ND			
1,1,2-Trichloroethane	0.233	1.00	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13
Project Name: Panama Site

ASL Job Number	Submitted	Client
57354	06/18/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061913

Our Lab I.D.			299438	299439			
Client Sample I.D.			GW1	GW2			
Date Sampled			06/18/2013	06/18/2013			
Date Prepared			06/19/2013	06/19/2013			
Preparation Method							
Date Analyzed			06/19/2013	06/19/2013			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	0.117	1.00	6.92	0.570J			
Trichlorofluoromethane	0.294	1.00	ND	ND			
1,2,3-Trichloropropane	0.303	1.00	ND	ND			
1,2,4-Trimethylbenzene	0.451	1.00	ND	ND			
1,3,5-Trimethylbenzene	0.219	1.00	ND	ND			
Vinyl acetate	1.62	5.00	ND	ND			
Vinyl chloride (Chloroethene)	0.331	3.00	ND	ND			
o-Xylene	0.262	1.00	ND	ND			
m- & p-Xylenes	0.476	2.00	ND	ND			

Our Lab I.D.			299438	299439			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		118	109			
Dibromofluoromethane	70-120		100	102			
Toluene-d8	70-120		111	112			

QUALITY CONTROL REPORT

QC Batch No: W1C-061913

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	95	91	4.3	75-120	15					
Chlorobenzene	89	87	2.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	110	112	1.8	75-120	15					
MTBE	94	92	2.2	75-120	15					
Toluene (Methyl benzene)	91	90	1.1	75-120	15					
Trichloroethene (TCE)	93	91	2.2	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Ordered By

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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12955 Panama Street
Los angeles, CA

Page: **7**

Project ID: MCGU-13
Project Name: Panama Site

ASL Job Number	Submitted	Client
57354	06/18/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-062013

Our Lab I.D.			**299440**				
Client Sample I.D.			GW3				
Date Sampled			06/18/2013				
Date Prepared			06/20/2013				
Preparation Method							
Date Analyzed			06/20/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	2.52	5.00	ND				
Benzene	0.0970	1.00	ND				
Bromobenzene (Phenyl bromide)	0.291	1.00	ND				
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND				
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND				
Bromoform (Tribromomethane)	0.284	5.00	ND				
Bromomethane (Methyl bromide)	0.174	3.00	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND				
n-Butylbenzene	0.363	1.00	ND				
sec-Butylbenzene	0.338	1.00	ND				
tert-Butylbenzene	0.235	1.00	ND				
Carbon disulfide	0.463	1.00	ND				
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND				
Chlorobenzene	0.176	1.00	ND				
Chloroethane	0.328	3.00	ND				
2-Chloroethyl vinyl ether	0.665	5.00	ND				
Chloroform (Trichloromethane)	0.247	1.00	0.640J				
Chloromethane (Methyl chloride)	0.174	3.00	ND				
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND				
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND				
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND				
Dibromochloromethane	0.300	1.00	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND				
Dibromomethane	0.316	1.00	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13
Project Name: Panama Site

ASL Job Number	Submitted	Client
57354	06/18/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-062013

Our Lab I.D.			**299440**				
Client Sample I.D.			GW3				
Date Sampled			06/18/2013				
Date Prepared			06/20/2013				
Preparation Method							
Date Analyzed			06/20/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND				
Dichlorodifluoromethane	0.244	3.00	ND				
1,1-Dichloroethane	0.372	1.00	ND				
1,2-Dichloroethane	0.182	1.00	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND				
cis-1,2-Dichloroethene	0.279	1.00	ND				
trans-1,2-Dichloroethene	0.176	1.00	ND				
1,2-Dichloropropane	0.359	1.00	ND				
1,3-Dichloropropane	0.205	1.00	ND				
2,2-Dichloropropane	0.341	1.00	ND				
1,1-Dichloropropene	0.210	1.00	ND				
cis-1,3-Dichloropropene	0.122	1.00	ND				
trans-1,3-Dichloropropene	0.100	1.00	ND				
Ethylbenzene	0.209	1.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND				
2-Hexanone	0.944	5.00	ND				
Isopropylbenzene	0.291	1.00	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND				
MTBE	0.240	2.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND				
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND				
Naphthalene	0.375	1.00	ND				
n-Propylbenzene	0.254	1.00	ND				
Styrene	0.122	1.00	ND				
1,1,1,2-Tetrachloroethane	0.141	1.00	ND				
1,1,2,2-Tetrachloroethane	0.579	1.00	ND				
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	125				
Toluene (Methyl benzene)	0.282	1.00	ND				
1,2,3-Trichlorobenzene	0.219	1.00	ND				
1,2,4-Trichlorobenzene	0.451	1.00	ND				
1,1,1-Trichloroethane	0.150	1.00	ND				
1,1,2-Trichloroethane	0.233	1.00	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13
Project Name: Panama Site

ASL Job Number	Submitted	Client
57354	06/18/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-062013

Our Lab I.D.			299440				
Client Sample I.D.			GW3				
Date Sampled			06/18/2013				
Date Prepared			06/20/2013				
Preparation Method							
Date Analyzed			06/20/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	0.117	1.00	2.18				
Trichlorofluoromethane	0.294	1.00	ND				
1,2,3-Trichloropropane	0.303	1.00	ND				
1,2,4-Trimethylbenzene	0.451	1.00	ND				
1,3,5-Trimethylbenzene	0.219	1.00	ND				
Vinyl acetate	1.62	5.00	ND				
Vinyl chloride (Chloroethene)	0.331	3.00	ND				
o-Xylene	0.262	1.00	ND				
m- & p-Xylenes	0.476	2.00	ND				

Our Lab I.D.			299440				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		102				
Dibromofluoromethane	70-120		98				
Toluene-d8	70-120		96				

QUALITY CONTROL REPORT

QC Batch No: W1C-062013

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	80	78	2.5	75-120	15					
Chlorobenzene	77	76	1.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	94	88	6.6	75-120	15					
MTBE	86	82	4.8	75-120	15					
Toluene (Methyl benzene)	81	78	3.8	75-120	15					
Trichloroethene (TCE)	80	78	2.5	75-120	15					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12955 Panama Street
Los angeles, CA

Page: **10**

Project ID: MCGU-13
Project Name: Panama Site

ASL Job Number	Submitted	Client
57354	06/18/2013	ALTAEN

Method: ZUB-OUT,

Our Lab I.D.			299438	299439	299440		
Client Sample I.D.			GW1	GW2	GW3		
Date Sampled			06/18/2013	06/18/2013	06/18/2013		
Date Prepared			/ /	/ /	/ /		
Preparation Method							
Date Analyzed			/ /	/ /	/ /		
Matrix			Water	Water	Water		
Units			Hold	Hold	Hold		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Hold	1.00	1.00	ND	ND	ND		

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2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Jonanthan Barkman

Number of Pages 38
Date Received 06/07/2013
Date Reported 06/17/2013

Job Number	Ordered	Client
57257	06/07/2013	ALTAEN

Project ID: MCGU-13-2252
Project Name: Panama St.
Site: 12922 Panama St.
L.A., CA

Enclosed are the results of analyses on 22 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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COC# Nº 63983 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57257

CHAIN OF CUSTODY RECORD

Company: Alta Environmental	Report To:
Address: 3777 Long Beach Blvd Annex, LB, CA	Project Name: Panama St
Telephone: 562-495-5777 Fax:	Site Address: 12922 Panama St LA CA
Special Instruction:	Project ID: MCGV-13-2252
E-mail:	Project Manager: J. Berkman
	Address:
	Invoice To:
	Address:
	P.O.#:

ANALYSIS REQUESTED: 8260B VOCs; 6010B/7471A – Title 22 Metals; *Archive*

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
1	298997	B57-2.5	6/7/13	0750	5	VOAS SLEEVE	SOIL	5035/ICE	
2	298998	-5		0800					
3		-10		0810					
3	298999	B57A		0930	4	VOAS POLY	WATER	ICE	
4	299000	B58-2.5		1000	5	VOAS SLEEVE	SOIL	5035/ICE	
5	299001	-5		1020					
		-10		1040					
		~~B58A~~							HOLD
6	299002	B59A		1140	4	VOAS POLY	WATER	ICE	B59A is on page 3
		~~B60A~~		1240					B60A is on page 4

Collected By:	Date 6/7/13	Time 1400	Relinquished By:	Date	Time
Relinquished By:	Date 6/7/13	Time 14:30	Received For Laboratory	Date 6-7-13	Time 14:30
Received By:	Date	Time	Condition of Sample:		

TAT ☑ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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COC# Nº 63979 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57257

Company: ALTA ENV.		Report To:
Address: 3777 LB BLVD Annex LB, CA	Project Name: Panama St	Address:
	Site Address:	Invoice To:
Telephone: 562 495 5777 Fax: 5877		Address:
Special Instruction:	Project ID: MCGU-13-2252	
E-mail:	Project Manager: J. Barkman	P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
7	299003	B38-2.5	6/7/13	0730	5	VOAS/SLEEVE	SOIL	5035/ICE	
8	299004	-5		0740					
		-10		0750					
9	299005	B38A		0800	4	VOAS POLY	WATER	ICE	
10	299006	B39-2.5		0800	5	VOAS SLEEVE	SOIL	5035/ICE	
11	299007	-5		0810					
		-10		0820					
12	299008	B39A		0830	4	VOAS POLY	WATER	ICE	
13	299009	B40-2.5		0835	5	VOAS SLEEVE	SOIL	5035/ICE	
14	299010	-5		0840					

8260B VOCs
6010B/7471A Title 22 Metals
ARCHIVE
8270C (phenol)
Surfactants

Collected By:		Date 6/7/13	Time 1400	Relinquished By:	Date Time
Relinquished By:		Date 6/7/13	Time 14:30	Received For Laboratory:	Date 6.7.13 Time 14:30
Received By:		Date	Time	Condition of Sample:	

TAT ☑ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

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COC# **№ 63980** GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57257

Company: ALTA ENV		Report To:	ANALYSIS REQUESTED
Address: ~~3777~~ Lb Blvd, Annex LB, CA	Project Name: Panama St.	Address:	
	Site Address: 12722 Panama St LA, CA	Invoice To:	
Telephone: 562-495-~~5777~~ 5877 Fax:		Address:	
Special Instruction:	Project ID: MCGV-13-2252		
E-mail:	Project Manager: J. Barfman	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	8260B VOCs	6010B/7471A-Title 22 Metals	*ARCHIVE*	8270C (Phenol)	Surfactants	Remarks
		B40-10	6/7/13	0850	5	VOAS SLEEVE	SOIL	5035/ICE	X		X			
15	299011	B40A ~~KW~~		0900	4	VOAS POLY	WATER	ICE						
16	299012	B41A		1000	↓	↓	↓	↓						
17	299013	B63-2.5		1010	5	VOAS SLEEVE	SOIL	5035/ICE						
18	299014	↓ -5		1025	↓	↓	↓	↓						
		↓ -10		1035	↓	↓	↓	↓	X		X			
19	299015	B59A		1140	4	VOAS POLY	WATER	ICE						
20	299016	VA1-10		1240	5	VOAS SLEEVE	SOIL	5035/ICE				✓	✓	
21	299017	↓ -15		1250	↓	↓	↓	↓				✓	✓	
**	299304*	↓ -20		1300	↓	↓	↓	↓						

Collected By:	Date 6/7/13	Time 1400	Relinquished By:	Date	Time
Relinquished By:	Date 6/7/13	Time 14:30	Received For Laboratory: Alex	Date 6-7-13	Time 14:30
Received By:	Date	Time	Condition of Sample:		

TAT ☐ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

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COC# **Nº 63981** GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57257

CHAIN OF CUSTODY RECORD

Company: Alta Environmental	Report To: jonathan.barkman@altaenviron.com	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd	Project Name: Panama Site	Address:
Long Beach CA	Site Address: 17922 Panama Street	Invoice To:
Telephone: 562-495-5777 Fax: 562-495-5877	Los Angeles CA	Address:
Special Instruction:	Project ID:	
E-mail:	Project Manager: Mike Cassidy	P.O.#:

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOCs 8260B	TPH 8015B	Remarks
22	299018	B60A	6/7/13	1310	4	3 VOA 1 POLY	Water		X	X	

Collected By:	Date 6/7/13	Time 1400	Relinquished By:	Date	Time
Relinquished By:	Date 6/7/13	Time 14:30	Received For Laboratory	Date 6-7-13	Time 14:30
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonanthan Barkman

Site

12922 Panama St.
L.A., CA

Page: **2**

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 425.1, Surfactants (MBAS)

QC Batch No: 061113-1

Our Lab I.D.			**299003**	**299004**	**299016**	**299017**	
Client Sample I.D.			B38-2.5	B38-5	V1-10	V1-15	
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Conventionals							
Surfactants(MBAS)	0.0001	1.00	ND	ND	ND	ND	

QUALITY CONTROL REPORT

QC Batch No: 061113-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Conventionals										
Surfactants(MBAS)	100	105	5.3	80-120						

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ANALYTICAL RESULTS

Ordered By

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3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonanthan Barkman

Site

12922 Panama St.
L.A., CA

Page: **3**

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061313-1

Our Lab I.D.		298997	298998	299000	299001	299003
Client Sample I.D.		B57-2.5	B57-5	B58-2.5	B58-5	B38-2.5
Date Sampled		06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared		06/13/2013	06/13/2013	06/13/2013	06/13/2013	06/13/2013
Preparation Method						
Date Analyzed		06/14/2013	06/14/2013	06/14/2013	06/14/2013	06/14/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	3.88	13.1	4.34	17.1	5.15
Barium	0.500	127	151	128	171	124
Beryllium	0.500	ND	0.589	0.507	0.672	ND
Cadmium	0.500	2.32	3.04	2.59	3.71	2.47
Chromium	0.500	32.1	37.9	37.6	41.5	31.4
Cobalt	0.500	8.86	10.6	10.3	13.8	8.69
Copper	0.500	77.7	34.6	81.8	38.1	87.8
Lead	0.250	15.0	5.47	10.6	5.64	18.9
Molybdenum	0.500	0.597	4.17	0.603	5.76	1.06
Nickel	0.500	23.5	33.2	26.8	38.9	23.7
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	50.9	74.5	57.7	85.5	46.7
Zinc	0.500	70.8	59.7	72.2	66.8	82.3

QUALITY CONTROL REPORT

QC Batch No: 061313-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	96	80-120								
ICP Metals										
Antimony	101	80-120								
Arsenic	98	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 061313-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	105	80-120								
Beryllium	110	80-120								
Cadmium	98	80-120								
Chromium	100	80-120								
Cobalt	99	80-120								
Copper	103	80-120								
Lead	102	80-120								
Molybdenum	97	80-120								
Nickel	102	80-120								
Selenium	94	80-120								
Silver	100	80-120								
Thallium	101	80-120								
Vanadium	102	80-120								
Zinc	104	80-120								

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonanthan Barkman

Site

12922 Panama St.
L.A., CA

Page: **5**

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061313-1

Our Lab I.D.		299004	299006	299007	299009	299010
Client Sample I.D.		B38-5	B39-2.5	B39-5	B40-2.5	B40-5
Date Sampled		06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared		06/13/2013	06/13/2013	06/13/2013	06/13/2013	06/13/2013
Preparation Method						
Date Analyzed		06/14/2013	06/14/2013	06/14/2013	06/14/2013	06/14/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	0.0575	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	4.92	3.31	5.22	1.13	7.12
Barium	0.500	134	147	139	74.1	183
Beryllium	0.500	ND	ND	ND	ND	0.576
Cadmium	0.500	2.44	1.57	2.27	1.02	2.50
Chromium	0.500	28.5	22.8	38.3	14.0	36.6
Cobalt	0.500	6.00	6.91	7.83	6.03	12.7
Copper	0.500	22.3	23.5	25.1	11.6	29.8
Lead	0.250	3.61	22.7	3.78	4.27	4.21
Molybdenum	0.500	2.47	5.07	0.743	0.711	3.37
Nickel	0.500	22.1	16.0	34.5	9.69	32.2
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	47.6	51.8	65.5	30.2	59.6
Zinc	0.500	43.0	48.2	52.4	29.8	60.9

QUALITY CONTROL REPORT

QC Batch No: 061313-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	96	80-120								
ICP Metals										
Antimony	101	80-120								
Arsenic	98	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 061313-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	105	80-120								
Beryllium	110	80-120								
Cadmium	98	80-120								
Chromium	100	80-120								
Cobalt	99	80-120								
Copper	103	80-120								
Lead	102	80-120								
Molybdenum	97	80-120								
Nickel	102	80-120								
Selenium	94	80-120								
Silver	100	80-120								
Thallium	101	80-120								
Vanadium	102	80-120								
Zinc	104	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonanthan Barkman

Site

12922 Panama St.
L.A., CA

Page: **7**

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061313-1

Our Lab I.D.		299013	299014	299016	299017	
Client Sample I.D.		B63-2.5	B63-5	V1-10	V1-15	
Date Sampled		06/07/2013	06/07/2013	06/07/2013	06/07/2013	
Date Prepared		06/13/2013	06/13/2013	06/13/2013	06/13/2013	
Preparation Method						
Date Analyzed		06/14/2013	06/14/2013	06/14/2013	06/14/2013	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	
ICP Metals						
Antimony	0.500	1.82	ND	ND	ND	
Arsenic	0.250	1.17	3.76	3.49	4.09	
Barium	0.500	78.1	173	91.1	44.4	
Beryllium	0.500	ND	0.600	ND	ND	
Cadmium	0.500	1.15	2.76	1.89	1.20	
Chromium	0.500	17.3	39.7	39.5	18.6	
Cobalt	0.500	5.49	7.81	7.96	4.22	
Copper	0.500	15.5	30.5	22.2	12.0	
Lead	0.250	7.80	4.46	3.48	2.03	
Molybdenum	0.500	1.61	2.67	0.605	ND	
Nickel	0.500	11.2	31.7	30.4	15.8	
Selenium	0.500	ND	ND	ND	ND	
Silver	0.500	ND	ND	ND	ND	
Thallium	0.500	ND	ND	ND	ND	
Vanadium	0.500	34.8	55.5	51.8	27.6	
Zinc	0.500	46.7	61.4	52.3	30.4	

QUALITY CONTROL REPORT

QC Batch No: 061313-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	96	80-120								
ICP Metals										
Antimony	101	80-120								
Arsenic	98	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 061313-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	105	80-120								
Beryllium	110	80-120								
Cadmium	98	80-120								
Chromium	100	80-120								
Cobalt	99	80-120								
Copper	103	80-120								
Lead	102	80-120								
Molybdenum	97	80-120								
Nickel	102	80-120								
Selenium	94	80-120								
Silver	100	80-120								
Thallium	101	80-120								
Vanadium	102	80-120								
Zinc	104	80-120								

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
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Attn: Jonanthan Barkman

Site

12922 Panama St.
L.A., CA

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061713-1

Our Lab I.D.		**299304**				
Client Sample I.D.		V1-20				
Date Sampled		06/07/2013				
Date Prepared		06/14/2013				
Preparation Method						
Date Analyzed		06/17/2013				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
AA Metals						
Mercury	0.0500	ND				
ICP Metals						
Antimony	0.500	ND				
Arsenic	0.250	13.1				
Barium	0.500	194				
Beryllium	0.500	0.737				
Cadmium	0.500	4.40				
Chromium	0.500	48.0				
Cobalt	0.500	20.3				
Copper	0.500	43.3				
Lead	0.250	6.99				
Molybdenum	0.500	2.40				
Nickel	0.500	53.3				
Selenium	0.500	ND				
Silver	0.500	ND				
Thallium	0.500	ND				
Vanadium	0.500	77.5				
Zinc	0.500	89.8				

QUALITY CONTROL REPORT

QC Batch No: 061713-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	98	80-120								
ICP Metals										
Antimony	94	80-120								
Arsenic	94	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 061713-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	92	80-120								
Beryllium	103	80-120								
Cadmium	95	80-120								
Chromium	94	80-120								
Cobalt	94	80-120								
Copper	97	80-120								
Lead	96	80-120								
Molybdenum	94	80-120								
Nickel	94	80-120								
Selenium	95	80-120								
Silver	97	80-120								
Thallium	100	80-120								
Vanadium	93	80-120								
Zinc	100	80-120								

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061113

Our Lab I.D.			298997	298998	299000	299001	299003
Client Sample I.D.			B57-2.5	B57-5	B58-2.5	B58-5	B38-2.5
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	28.0J	ND	31.0J
Benzene	0.930	2.00	ND	ND	1.78J	ND	6.98
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061113

Our Lab I.D.			298997	298998	299000	299001	299003
Client Sample I.D.			B57-2.5	B57-5	B58-2.5	B58-5	B38-2.5
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	12.3	4.94J	42.6	2.28J	302
Toluene (Methyl benzene)	1.00	2.00	ND	ND	1.44J	ND	3.96
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061113

Our Lab I.D.			298997	298998	299000	299001	299003
Client Sample I.D.			B57-2.5	B57-5	B58-2.5	B58-5	B38-2.5
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	ND	1.24J	ND	2.44J
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			298997	298998	299000	299001	299003
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		116	108	116	111	116
Dibromofluoromethane	70-120		102	118	115	110	114
Toluene-d8	70-120		99	101	97	101	96

QUALITY CONTROL REPORT

QC Batch No: S1B-061113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	83	83	<1	75-120	15					
Chlorobenzene	85	87	2.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	106	109	2.8	75-120	15					
MTBE	80	84	4.9	75-120	15					
Toluene (Methyl benzene)	96	99	3.1	75-120	15					
Trichloroethene (TCE)	83	85	2.4	75-120	15					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061113

Our Lab I.D.			299004	299006	299007		
Client Sample I.D.			B38-5	B39-2.5	B39-5		
Date Sampled			06/07/2013	06/07/2013	06/07/2013		
Date Prepared			06/11/2013	06/11/2013	06/11/2013		
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	12.7	50.0	ND	41.0J	ND		
Benzene	0.930	2.00	ND	1.60J	ND		
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND		
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND		
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND		
n-Butylbenzene	2.05	10.0	ND	ND	ND		
sec-Butylbenzene	3.04	10.0	ND	ND	ND		
tert-Butylbenzene	1.34	10.0	ND	ND	ND		
Carbon disulfide	5.53	10.0	ND	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND		
Chlorobenzene	0.890	10.0	ND	ND	ND		
Chloroethane	2.15	30.0	ND	ND	ND		
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND		
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND		
Dibromochloromethane	0.650	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND		
Dibromomethane	2.30	10.0	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061113

Our Lab I.D.			299004	299006	299007		
Client Sample I.D.			B38-5	B39-2.5	B39-5		
Date Sampled			06/07/2013	06/07/2013	06/07/2013		
Date Prepared			06/11/2013	06/11/2013	06/11/2013		
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND		
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND		
1,1-Dichloroethane	1.30	10.0	ND	ND	ND		
1,2-Dichloroethane	1.57	10.0	ND	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	2.16	10.0	ND	26.9	2.52J		
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND		
1,2-Dichloropropane	0.660	10.0	ND	ND	ND		
1,3-Dichloropropane	0.920	10.0	ND	ND	ND		
2,2-Dichloropropane	1.36	10.0	ND	ND	ND		
1,1-Dichloropropene	1.12	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND		
Ethylbenzene	1.00	2.00	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND		
2-Hexanone	3.18	50.0	ND	ND	ND		
Isopropylbenzene	1.42	10.0	ND	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND		
MTBE	2.90	5.00	ND	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND		
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND		
Naphthalene	1.14	10.0	ND	ND	ND		
n-Propylbenzene	1.14	10.0	ND	ND	ND		
Styrene	0.800	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	8.56J	28.9	5.26J		
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND		
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND		
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND		
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061113

Our Lab I.D.			299004	299006	299007		
Client Sample I.D.			B38-5	B39-2.5	B39-5		
Date Sampled			06/07/2013	06/07/2013	06/07/2013		
Date Prepared			06/11/2013	06/11/2013	06/11/2013		
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichloroethene (TCE)	1.15	10.0	ND	159	7.48J		
Trichlorofluoromethane	3.15	10.0	ND	ND	ND		
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND		
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND		
Vinyl acetate	10.8	50.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND		
o-Xylene	1.00	2.00	ND	ND	ND		
m- & p-Xylenes	1.80	4.00	ND	ND	ND		

Our Lab I.D.			299004	299006	299007		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		104	116	110		
Dibromofluoromethane	70-120		112	119	106		
Toluene-d8	70-120		102	97	101		

QUALITY CONTROL REPORT

QC Batch No: S1B-061113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	83	83	<1	75-120	15					
Chlorobenzene	85	87	2.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	106	109	2.8	75-120	15					
MTBE	80	84	4.9	75-120	15					
Toluene (Methyl benzene)	96	99	3.1	75-120	15					
Trichloroethene (TCE)	83	85	2.4	75-120	15					

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ANALYTICAL RESULTS

Ordered By

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12922 Panama St.
L.A., CA

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			**299013**				
Client Sample I.D.			B63-2.5				
Date Sampled			06/07/2013				
Date Prepared			06/12/2013				
Preparation Method							
Date Analyzed			06/12/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	12.7	50.0	ND				
Benzene	0.930	2.00	ND				
Bromobenzene (Phenyl bromide)	3.39	10.0	ND				
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND				
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND				
Bromoform (Tribromomethane)	3.39	50.0	ND				
Bromomethane (Methyl bromide)	2.75	30.0	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND				
n-Butylbenzene	2.05	10.0	ND				
sec-Butylbenzene	3.04	10.0	ND				
tert-Butylbenzene	1.34	10.0	ND				
Carbon disulfide	5.53	10.0	ND				
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND				
Chlorobenzene	0.890	10.0	ND				
Chloroethane	2.15	30.0	ND				
2-Chloroethyl vinyl ether	5.53	50.0	ND				
Chloroform (Trichloromethane)	1.24	10.0	ND				
Chloromethane (Methyl chloride)	1.74	30.0	ND				
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND				
Dibromochloromethane	0.650	10.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND				
Dibromomethane	2.30	10.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			299013				
Client Sample I.D.			B63-2.5				
Date Sampled			06/07/2013				
Date Prepared			06/12/2013				
Preparation Method							
Date Analyzed			06/12/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND				
Dichlorodifluoromethane	2.07	30.0	ND				
1,1-Dichloroethane	1.30	10.0	ND				
1,2-Dichloroethane	1.57	10.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND				
cis-1,2-Dichloroethene	2.16	10.0	ND				
trans-1,2-Dichloroethene	2.60	10.0	ND				
1,2-Dichloropropane	0.660	10.0	ND				
1,3-Dichloropropane	0.920	10.0	ND				
2,2-Dichloropropane	1.36	10.0	ND				
1,1-Dichloropropene	1.12	10.0	ND				
cis-1,3-Dichloropropene	0.980	10.0	ND				
trans-1,3-Dichloropropene	0.960	10.0	ND				
Ethylbenzene	1.00	2.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND				
2-Hexanone	3.18	50.0	ND				
Isopropylbenzene	1.42	10.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND				
MTBE	2.90	5.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND				
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND				
Naphthalene	1.14	10.0	ND				
n-Propylbenzene	1.14	10.0	ND				
Styrene	0.800	10.0	ND				
1,1,1,2-Tetrachloroethane	1.28	10.0	ND				
1,1,2,2-Tetrachloroethane	3.25	10.0	ND				
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND				
Toluene (Methyl benzene)	1.00	2.00	ND				
1,2,3-Trichlorobenzene	1.23	10.0	ND				
1,2,4-Trichlorobenzene	2.82	10.0	ND				
1,1,1-Trichloroethane	2.03	10.0	ND				
1,1,2-Trichloroethane	1.74	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			299013				
Client Sample I.D.			B63-2.5				
Date Sampled			06/07/2013				
Date Prepared			06/12/2013				
Preparation Method							
Date Analyzed			06/12/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	1.15	10.0	ND				
Trichlorofluoromethane	3.15	10.0	ND				
1,2,3-Trichloropropane	1.74	10.0	ND				
1,2,4-Trimethylbenzene	3.19	10.0	ND				
1,3,5-Trimethylbenzene	1.23	10.0	ND				
Vinyl acetate	10.8	50.0	ND				
Vinyl chloride (Chloroethene)	2.79	30.0	ND				
o-Xylene	1.00	2.00	ND				
m- & p-Xylenes	1.80	4.00	ND				

Our Lab I.D.			299013				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		108				
Dibromofluoromethane	70-120		102				
Toluene-d8	70-120		96				

QUALITY CONTROL REPORT

QC Batch No: S1B-061213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	99	93	6.3	75-120	15					
Chlorobenzene	93	88	5.5	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	110	103	6.6	75-120	15					
MTBE	84	80	4.9	75-120	15					
Toluene (Methyl benzene)	109	102	6.6	75-120	15					
Trichloroethene (TCE)	98	91	7.4	75-120	15					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061413

Our Lab I.D.			**299304**				
Client Sample I.D.			V1-20				
Date Sampled			06/07/2013				
Date Prepared			06/14/2013				
Preparation Method							
Date Analyzed			06/14/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	12.7	50.0	ND				
Benzene	0.930	2.00	ND				
Bromobenzene (Phenyl bromide)	3.39	10.0	ND				
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND				
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND				
Bromoform (Tribromomethane)	3.39	50.0	ND				
Bromomethane (Methyl bromide)	2.75	30.0	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND				
n-Butylbenzene	2.05	10.0	ND				
sec-Butylbenzene	3.04	10.0	ND				
tert-Butylbenzene	1.34	10.0	ND				
Carbon disulfide	5.53	10.0	ND				
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND				
Chlorobenzene	0.890	10.0	ND				
Chloroethane	2.15	30.0	ND				
2-Chloroethyl vinyl ether	5.53	50.0	ND				
Chloroform (Trichloromethane)	1.24	10.0	3.50J				
Chloromethane (Methyl chloride)	1.74	30.0	ND				
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND				
Dibromochloromethane	0.650	10.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND				
Dibromomethane	2.30	10.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061413

Our Lab I.D.			**299304**				
Client Sample I.D.			V1-20				
Date Sampled			06/07/2013				
Date Prepared			06/14/2013				
Preparation Method							
Date Analyzed			06/14/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND				
Dichlorodifluoromethane	2.07	30.0	ND				
1,1-Dichloroethane	1.30	10.0	ND				
1,2-Dichloroethane	1.57	10.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND				
cis-1,2-Dichloroethene	2.16	10.0	ND				
trans-1,2-Dichloroethene	2.60	10.0	ND				
1,2-Dichloropropane	0.660	10.0	ND				
1,3-Dichloropropane	0.920	10.0	ND				
2,2-Dichloropropane	1.36	10.0	ND				
1,1-Dichloropropene	1.12	10.0	ND				
cis-1,3-Dichloropropene	0.980	10.0	ND				
trans-1,3-Dichloropropene	0.960	10.0	ND				
Ethylbenzene	1.00	2.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND				
2-Hexanone	3.18	50.0	ND				
Isopropylbenzene	1.42	10.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND				
MTBE	2.90	5.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND				
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND				
Naphthalene	1.14	10.0	ND				
n-Propylbenzene	1.14	10.0	ND				
Styrene	0.800	10.0	ND				
1,1,1,2-Tetrachloroethane	1.28	10.0	ND				
1,1,2,2-Tetrachloroethane	3.25	10.0	ND				
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND				
Toluene (Methyl benzene)	1.00	2.00	ND				
1,2,3-Trichlorobenzene	1.23	10.0	ND				
1,2,4-Trichlorobenzene	2.82	10.0	ND				
1,1,1-Trichloroethane	2.03	10.0	ND				
1,1,2-Trichloroethane	1.74	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061413

Our Lab I.D.			299304				
Client Sample I.D.			V1-20				
Date Sampled			06/07/2013				
Date Prepared			06/14/2013				
Preparation Method							
Date Analyzed			06/14/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	1.15	10.0	ND				
Trichlorofluoromethane	3.15	10.0	ND				
1,2,3-Trichloropropane	1.74	10.0	ND				
1,2,4-Trimethylbenzene	3.19	10.0	ND				
1,3,5-Trimethylbenzene	1.23	10.0	ND				
Vinyl acetate	10.8	50.0	ND				
Vinyl chloride (Chloroethene)	2.79	30.0	ND				
o-Xylene	1.00	2.00	ND				
m- & p-Xylenes	1.80	4.00	ND				

Our Lab I.D.			299304				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		99				
Dibromofluoromethane	70-120		112				
Toluene-d8	70-120		96				

QUALITY CONTROL REPORT

QC Batch No: S1B-061413

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	91	2.2	75-120	15					
Chlorobenzene	88	89	1.1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	101	100	<1	75-120	15					
MTBE	84	83	1.2	75-120	15					
Toluene (Methyl benzene)	103	103	<1	75-120	15					
Trichloroethene (TCE)	92	90	2.2	75-120	15					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061113

Our Lab I.D.			299009	299010	299014	299016	299017
Client Sample I.D.			B40-2.5	B40-5	B63-5	V1-10	V1-15
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	ND	ND	ND
Benzene	0.930	2.00	1.00J	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	1.28J	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061113

Our Lab I.D.			299009	299010	299014	299016	299017
Client Sample I.D.			B40-2.5	B40-5	B63-5	V1-10	V1-15
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	54.0	21.4	ND	11.1	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND	ND	45.7	2.14J
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061113

Our Lab I.D.			299009	299010	299014	299016	299017
Client Sample I.D.			B40-2.5	B40-5	B63-5	V1-10	V1-15
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	11.4	2.34J	ND	3.94J	3.64J
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			299009	299010	299014	299016	299017
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		119	114	108	108	108
Dibromofluoromethane	70-120		106	82	118	106	110
Toluene-d8	70-120		96	98	101	100	101

QUALITY CONTROL REPORT

QC Batch No: S2B-061113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	81	83	2.4	75-120	15					
Chlorobenzene	83	86	3.6	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	102	102	<1	75-120	15					
MTBE	100	101	<1	75-120	15					
Toluene (Methyl benzene)	94	96	2.1	75-120	15					
Trichloroethene (TCE)	81	83	2.4	75-120	15					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8270C, Semivolatile Organics

QC Batch No: 061313-1

Our Lab I.D.			299003	299004	299016	299017	
Client Sample I.D.			B38-2.5	B38-5	V1-10	V1-15	
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	
Date Prepared			06/13/2013	06/13/2013	06/13/2013	06/13/2013	
Preparation Method							
Date Analyzed			06/13/2013	06/13/2013	06/13/2013	06/13/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acenaphthene	13.8	330	ND	ND	ND	ND	
Acenaphthylene	16.1	330	ND	ND	ND	ND	
Anthracene	9.90	330	ND	ND	ND	ND	
Benz(a)anthracene (Benzo(a)anthracene)	12.8	330	ND	ND	ND	ND	
Benzo(a)pyrene	18.9	330	ND	ND	ND	ND	
Benzo(b)fluoranthene	21.8	330	ND	ND	ND	ND	
Benzo(ghi)perylene	18.4	330	ND	ND	ND	ND	
Benzo(k)fluoranthene	19.0	330	ND	ND	ND	ND	
Benzoic acid	36.7	1700	ND	ND	ND	ND	
Benzyl alcohol	22.6	660	ND	ND	ND	ND	
Bis(2-chloroethoxy)methane	19.6	330	ND	ND	ND	ND	
Bis(2-chloroethyl)ether	20.3	330	ND	ND	ND	ND	
Bis(2-chloroisopropyl) ether	17.3	330	ND	ND	ND	ND	
Bis(2-ethylhexyl) phthalate	11.1	330	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	14.6	330	ND	ND	ND	ND	
Butyl benzyl phthalate (Benzyl butyl phthalate)	13.3	330	ND	ND	ND	ND	
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	23.2	660	ND	ND	ND	ND	
4-Chloroaniline	20.0	660	ND	ND	ND	ND	
2-Chloronaphthalene	19.5	330	ND	ND	ND	ND	
2-Chlorophenol (o-Chlorophenol)	18.8	330	ND	ND	ND	ND	
4-Chlorophenyl phenyl ether	17.2	330	ND	ND	ND	ND	
Chrysene	14.4	330	ND	ND	ND	ND	
Di-n-butyl phthalate	10.1	330	ND	ND	ND	ND	
Di-n-octyl phthalate (Dioctyl ester)	14.7	330	ND	ND	ND	ND	
Dibenz(a,h)anthracene	16.1	330	ND	ND	ND	ND	
Dibenzofuran	15.7	330	ND	ND	ND	ND	
1,3-Dichlorobenzene (m-Dichlorobenzene)	20.2	330	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8270C, Semivolatile Organics

QC Batch No: 061313-1

Our Lab I.D.			299003	299004	299016	299017	
Client Sample I.D.			B38-2.5	B38-5	V1-10	V1-15	
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	
Date Prepared			06/13/2013	06/13/2013	06/13/2013	06/13/2013	
Preparation Method							
Date Analyzed			06/13/2013	06/13/2013	06/13/2013	06/13/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,2-Dichlorobenzene (o-Dichlorobenzene)	17.8	330	ND	ND	ND	ND	
1,4-Dichlorobenzene	18.4	330	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	14.6	660	ND	ND	ND	ND	
2,4-Dichlorophenol	24.1	1700	ND	ND	ND	ND	
Diethyl phthalate (Diethyl ester)	13.9	330	ND	ND	ND	ND	
2,4-Dimethylphenol	22.4	330	ND	ND	ND	ND	
Dimethyl phthalate (Dimethyl ester)	15.5	330	ND	ND	ND	ND	
2,4-Dinitrophenol	128	1700	ND	ND	ND	ND	
2,4-Dinitrotoluene	17.3	330	ND	ND	ND	ND	
2,6-Dinitrotoluene (2,6-DNT)	16.0	330	ND	ND	ND	ND	
Fluoranthene	8.00	330	ND	ND	ND	ND	
Fluorene	14.2	330	ND	ND	ND	ND	
Hexachlorobenzene	9.70	330	ND	ND	ND	ND	
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	15.9	330	ND	ND	ND	ND	
Hexachlorocyclopentadiene	16.5	660	ND	ND	ND	ND	
Hexachloroethane	22.6	330	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	16.8	330	ND	ND	ND	ND	
Isophorone	20.1	330	ND	ND	ND	ND	
2-methyl-4,6-Dinitrophenol	31.2	1700	ND	ND	ND	ND	
2-Methylnaphthalene	19.1	330	ND	ND	ND	ND	
2-Methylphenol (o-Cresol, 2-Cresol)	21.2	330	ND	ND	ND	ND	
4-Methylphenol (p-Cresol, 4-Cresol)	22.5	330	ND	ND	ND	ND	
N-Nitroso-Di-n-propylamine	22.7	330	ND	ND	ND	ND	
N-Nitrosodiphenylamine	11.4	330	ND	ND	ND	ND	
Naphthalene	18.9	330	ND	ND	ND	ND	
2-Nitroaniline	16.7	1700	ND	ND	ND	ND	
3-Nitroaniline	17.5	1700	ND	ND	ND	ND	
4-Nitroaniline	12.9	1700	ND	ND	ND	ND	
Nitrobenzene (NB)	18.7	330	ND	ND	ND	ND	
2-Nitrophenol (o-Nitrophenol)	26.0	330	ND	ND	ND	ND	
4-Nitrophenol	26.0	1700	ND	ND	ND	ND	
Pentachlorophenol	22.7	1700	ND	ND	ND	ND	
Phenanthrene	10.9	330	ND	ND	ND	ND	
Phenol	16.9	330	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8270C, Semivolatile Organics

QC Batch No: 061313-1

Our Lab I.D.			299003	299004	299016	299017	
Client Sample I.D.			B38-2.5	B38-5	V1-10	V1-15	
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	
Date Prepared			06/13/2013	06/13/2013	06/13/2013	06/13/2013	
Preparation Method							
Date Analyzed			06/13/2013	06/13/2013	06/13/2013	06/13/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Pyrene	8.20	330	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	16.6	330	ND	ND	ND	ND	
2,4,5-Trichlorophenol	23.6	330	ND	ND	ND	ND	
2,4,6-Trichlorophenol	19.4	330	ND	ND	ND	ND	

Our Lab I.D.			299003	299004	299016	299017	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
2-Fluorophenol	21-105		35	49	29	33	
Phenol-d6	10-107		45	62	45	46	
2,4,6-Tribromophenol	10-123		56	72	62	59	
Nitrobenzene-d5	35-114		37	57	40	50	
2-Fluorobiphenyl	18-116		52	67	52	57	
Terphenyl-d14	33-141		67	90	90	90	

QUALITY CONTROL REPORT

QC Batch No: 061313-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	69	70	1.4	43-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	75	78	3.9	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	77	76	1.3	27-123	<30					
1,4-Dichlorobenzene	67	66	1.5	36-105	<30					
2,4-Dinitrotoluene	91	90	1.1	24-120	<30					
N-Nitroso-Di-n-propylamine	68	64	6.1	41-116	<30					
4-Nitrophenol	59	53	10.7	10-133	<30					
Pentachlorophenol	50	40	22.2	9-118	<30					
Phenol	78	74	5.3	12-110	<30					
Pyrene	112	114	1.8	26-127	<30					
1,2,4-Trichlorobenzene	73	73	<1	39-98	<30					

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

QC Batch No: 061213-1

Our Lab I.D.			298999	299005	299008	299011	299012
Client Sample I.D.			B57A	B38A	B39A	B40A	B41A
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/13/2013	06/13/2013	06/13/2013	06/13/2013	06/13/2013
Matrix			Water	Water	Water	Water	Water
Units			mg/L	mg/L	mg/L	mg/L	mg/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals							
Mercury	0.0001	0.0005	ND	ND	ND	0.0007	0.0015
ICP Metals							
Antimony	0.0040	0.0100	ND	ND	ND	ND	ND
Arsenic	0.0030	0.0100	0.0416	0.0159	0.0272	0.0051J	0.0248
Barium	0.0010	0.0100	0.380	0.594	0.322	0.227	0.210
Beryllium	0.0007	0.0050	ND	ND	ND	ND	ND
Cadmium	0.0007	0.0050	0.0331	0.0139	0.0202	0.0260	0.0187
Chromium	0.0010	0.0100	0.0025J	0.0381	0.0589	0.167	0.0243
Cobalt	0.0010	0.0100	0.125	0.444	0.241	0.355	0.188
Copper	0.0010	0.0100	0.0462	0.0889	0.0926	0.118	0.0402
Lead	0.0020	0.0050	ND	ND	ND	ND	ND
Molybdenum	0.0010	0.0100	ND	0.0035J	0.0015J	0.0171	ND
Nickel	0.0020	0.0100	0.161	0.173	0.179	0.340	0.172
Selenium	0.0040	0.0100	0.0169	ND	ND	0.0144	0.0104
Silver	0.0010	0.0100	ND	ND	ND	ND	ND
Thallium	0.0030	0.0100	ND	ND	ND	ND	ND
Vanadium	0.0010	0.0100	0.0648	0.100	0.211	0.111	0.102
Zinc	0.0070	0.0100	0.137	0.118	0.176	0.210	0.103

QUALITY CONTROL REPORT

QC Batch No: 061213-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	91	80-120								
ICP Metals										
Antimony	107	80-120								
Arsenic	103	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 061213-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	106	80-120								
Beryllium	113	80-120								
Cadmium	103	80-120								
Chromium	103	80-120								
Cobalt	103	80-120								
Copper	105	80-120								
Lead	105	80-120								
Molybdenum	103	80-120								
Nickel	105	80-120								
Selenium	103	80-120								
Silver	109	80-120								
Thallium	109	80-120								
Vanadium	103	80-120								
Zinc	103	80-120								

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

QC Batch No: 061213-1

Our Lab I.D.			299015	299018			
Client Sample I.D.			B59A	B60A			
Date Sampled			06/07/2013	06/07/2013			
Date Prepared			06/12/2013	06/12/2013			
Preparation Method							
Date Analyzed			06/13/2013	06/13/2013			
Matrix			Water	Water			
Units			mg/L	mg/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
AA Metals							
Mercury	0.0001	0.0005	ND	ND			
ICP Metals							
Antimony	0.0040	0.0100	ND	ND			
Arsenic	0.0030	0.0100	0.0293	0.0458			
Barium	0.0010	0.0100	0.950	2.16			
Beryllium	0.0007	0.0050	ND	ND			
Cadmium	0.0007	0.0050	0.0331	0.0355			
Chromium	0.0010	0.0100	0.0036J	0.0034J			
Cobalt	0.0010	0.0100	0.0688	0.127			
Copper	0.0010	0.0100	0.0603	0.0125			
Lead	0.0020	0.0050	ND	ND			
Molybdenum	0.0010	0.0100	ND	ND			
Nickel	0.0020	0.0100	0.178	0.187			
Selenium	0.0040	0.0100	0.0068J	0.0146			
Silver	0.0010	0.0100	ND	ND			
Thallium	0.0030	0.0100	ND	ND			
Vanadium	0.0010	0.0100	0.0974	0.0086J			
Zinc	0.0070	0.0100	0.148	0.122			

QUALITY CONTROL REPORT

QC Batch No: 061213-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	91	80-120								
ICP Metals										
Antimony	107	80-120								
Arsenic	103	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 061213-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	106	80-120								
Beryllium	113	80-120								
Cadmium	103	80-120								
Chromium	103	80-120								
Cobalt	103	80-120								
Copper	105	80-120								
Lead	105	80-120								
Molybdenum	103	80-120								
Nickel	105	80-120								
Selenium	103	80-120								
Silver	109	80-120								
Thallium	109	80-120								
Vanadium	103	80-120								
Zinc	103	80-120								

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Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061213

Our Lab I.D.			298999	299005	299008	299011	299012
Client Sample I.D.			B57A	B38A	B39A	B40A	B41A
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Water	Water	Water	Water	Water
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	2.52	5.00	ND	ND	ND	ND	ND
Benzene	0.0970	1.00	ND	ND	ND	0.200J	ND
Bromobenzene (Phenyl bromide)	0.291	1.00	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	0.284	5.00	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	0.174	3.00	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND	ND	ND	ND	ND
n-Butylbenzene	0.363	1.00	ND	ND	ND	ND	ND
sec-Butylbenzene	0.338	1.00	ND	ND	ND	ND	ND
tert-Butylbenzene	0.235	1.00	ND	ND	ND	ND	ND
Carbon disulfide	0.463	1.00	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND	ND	ND	ND	ND
Chlorobenzene	0.176	1.00	ND	ND	ND	ND	ND
Chloroethane	0.328	3.00	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	0.665	5.00	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	0.247	1.00	0.860J	1.29	0.580J	0.610J	0.700J
Chloromethane (Methyl chloride)	0.174	3.00	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND	ND	ND	ND	ND
Dibromochloromethane	0.300	1.00	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND	ND	ND	ND	ND
Dibromomethane	0.316	1.00	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	ND	ND	ND	9.64	0.570J
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND	ND	ND	ND	ND

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061213

Our Lab I.D.			298999	299005	299008	299011	299012
Client Sample I.D.			B57A	B38A	B39A	B40A	B41A
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Water	Water	Water	Water	Water
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND	ND	ND	ND	ND
Dichlorodifluoromethane	0.244	3.00	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.372	1.00	ND	ND	1.54	1.78	ND
1,2-Dichloroethane	0.182	1.00	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND	ND	3.52	1.12	ND
cis-1,2-Dichloroethene	0.279	1.00	1.84	ND	2.12	140	40.6
trans-1,2-Dichloroethene	0.176	1.00	ND	ND	ND	5.72	0.740J
1,2-Dichloropropane	0.359	1.00	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.205	1.00	ND	ND	ND	ND	ND
2,2-Dichloropropane	0.341	1.00	ND	ND	ND	ND	ND
1,1-Dichloropropene	0.210	1.00	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.122	1.00	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.100	1.00	ND	ND	ND	ND	ND
Ethylbenzene	0.209	1.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND	ND	ND	ND	ND
2-Hexanone	0.944	5.00	ND	ND	ND	ND	ND
Isopropylbenzene	0.291	1.00	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND	ND	ND	ND	ND
MTBE	0.240	2.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND	ND	ND	ND	ND
Naphthalene	0.375	1.00	ND	ND	ND	ND	ND
n-Propylbenzene	0.254	1.00	ND	ND	ND	ND	ND
Styrene	0.122	1.00	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.141	1.00	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.579	1.00	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	1.49	120	9.18	4.39	5.38
Toluene (Methyl benzene)	0.282	1.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	0.219	1.00	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	0.451	1.00	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.150	1.00	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	0.233	1.00	ND	ND	ND	ND	ND

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061213

Our Lab I.D.			298999	299005	299008	299011	299012
Client Sample I.D.			B57A	B38A	B39A	B40A	B41A
Date Sampled			06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Water	Water	Water	Water	Water
Units			ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	0.117	1.00	4.54	1.62	7.29	50.5	9.42
Trichlorofluoromethane	0.294	1.00	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.303	1.00	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.451	1.00	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	0.219	1.00	ND	ND	ND	ND	ND
Vinyl acetate	1.62	5.00	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	0.331	3.00	ND	ND	ND	ND	ND
o-Xylene	0.262	1.00	ND	ND	ND	ND	ND
m- & p-Xylenes	0.476	2.00	ND	ND	ND	ND	ND

Our Lab I.D.			298999	299005	299008	299011	299012
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		98	102	103	102	106
Dibromofluoromethane	70-120		102	104	106	102	104
Toluene-d8	70-120		100	98	102	100	102

QUALITY CONTROL REPORT

QC Batch No: W1C-061213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	118	116	1.7	75-120	15					
Chlorobenzene	112	118	5.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	93	89	4.4	75-120	15					
MTBE	103	103	<1	75-120	15					
Toluene (Methyl benzene)	118	116	1.7	75-120	15					
Trichloroethene (TCE)	87	91	4.5	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonanthan Barkman

Site

12922 Panama St.
L.A., CA

Page: **36**

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061213

Our Lab I.D.			299015	299018			
Client Sample I.D.			B59A	B60A			
Date Sampled			06/07/2013	06/07/2013			
Date Prepared			06/12/2013	06/12/2013			
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	2.52	5.00	ND	ND			
Benzene	0.0970	1.00	ND	ND			
Bromobenzene (Phenyl bromide)	0.291	1.00	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND	ND			
Bromoform (Tribromomethane)	0.284	5.00	ND	ND			
Bromomethane (Methyl bromide)	0.174	3.00	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND	ND			
n-Butylbenzene	0.363	1.00	ND	ND			
sec-Butylbenzene	0.338	1.00	ND	ND			
tert-Butylbenzene	0.235	1.00	ND	ND			
Carbon disulfide	0.463	1.00	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND	ND			
Chlorobenzene	0.176	1.00	ND	ND			
Chloroethane	0.328	3.00	ND	ND			
2-Chloroethyl vinyl ether	0.665	5.00	ND	ND			
Chloroform (Trichloromethane)	0.247	1.00	1.04	0.610J			
Chloromethane (Methyl chloride)	0.174	3.00	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND	ND			
Dibromochloromethane	0.300	1.00	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND	ND			
Dibromomethane	0.316	1.00	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061213

Our Lab I.D.			299015	299018			
Client Sample I.D.			B59A	B60A			
Date Sampled			06/07/2013	06/07/2013			
Date Prepared			06/12/2013	06/12/2013			
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND	ND			
Dichlorodifluoromethane	0.244	3.00	ND	ND			
1,1-Dichloroethane	0.372	1.00	5.59	0.400J			
1,2-Dichloroethane	0.182	1.00	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	0.360J	ND			
cis-1,2-Dichloroethene	0.279	1.00	ND	0.710J			
trans-1,2-Dichloroethene	0.176	1.00	ND	ND			
1,2-Dichloropropane	0.359	1.00	ND	ND			
1,3-Dichloropropane	0.205	1.00	ND	ND			
2,2-Dichloropropane	0.341	1.00	ND	ND			
1,1-Dichloropropene	0.210	1.00	ND	ND			
cis-1,3-Dichloropropene	0.122	1.00	ND	ND			
trans-1,3-Dichloropropene	0.100	1.00	ND	ND			
Ethylbenzene	0.209	1.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND	ND			
2-Hexanone	0.944	5.00	ND	ND			
Isopropylbenzene	0.291	1.00	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND	ND			
MTBE	0.240	2.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND	ND			
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND	ND			
Naphthalene	0.375	1.00	ND	ND			
n-Propylbenzene	0.254	1.00	ND	ND			
Styrene	0.122	1.00	ND	ND			
1,1,1,2-Tetrachloroethane	0.141	1.00	ND	ND			
1,1,2,2-Tetrachloroethane	0.579	1.00	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	26.6	13.8			
Toluene (Methyl benzene)	0.282	1.00	ND	ND			
1,2,3-Trichlorobenzene	0.219	1.00	ND	ND			
1,2,4-Trichlorobenzene	0.451	1.00	ND	ND			
1,1,1-Trichloroethane	0.150	1.00	ND	ND			
1,1,2-Trichloroethane	0.233	1.00	ND	ND			

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama St.

ASL Job Number	Submitted	Client
57257	06/07/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061213

Our Lab I.D.			299015	299018			
Client Sample I.D.			B59A	B60A			
Date Sampled			06/07/2013	06/07/2013			
Date Prepared			06/12/2013	06/12/2013			
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013			
Matrix			Water	Water			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	0.117	1.00	1.05	0.750J			
Trichlorofluoromethane	0.294	1.00	ND	ND			
1,2,3-Trichloropropane	0.303	1.00	ND	ND			
1,2,4-Trimethylbenzene	0.451	1.00	ND	ND			
1,3,5-Trimethylbenzene	0.219	1.00	ND	ND			
Vinyl acetate	1.62	5.00	ND	ND			
Vinyl chloride (Chloroethene)	0.331	3.00	ND	ND			
o-Xylene	0.262	1.00	ND	ND			
m- & p-Xylenes	0.476	2.00	ND	ND			

Our Lab I.D.			299015	299018			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		104	107			
Dibromofluoromethane	70-120		106	108			
Toluene-d8	70-120		100	103			

QUALITY CONTROL REPORT

QC Batch No: W1C-061213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	118	116	1.7	75-120	15					
Chlorobenzene	112	118	5.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	93	89	4.4	75-120	15					
MTBE	103	103	<1	75-120	15					
Toluene (Methyl benzene)	118	116	1.7	75-120	15					
Trichloroethene (TCE)	87	91	4.5	75-120	15					

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Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Jonathan Barkman

Number of Pages 9
Date Received 06/06/2013
Date Reported 06/17/2013

Job Number	Ordered	Client
57256	06/10/2013	ALTAEN

Project ID: MCGU-13-6182
Project Name: Panama St.
Site: 12922 Panama St.

Enclosed are the results of analyses on 6 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
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Additional Request (6/10/13)
Normal TAT, Due: (6/17/13)

Page 1 Of 4

NEW JOB# 57256

COC# No 63970 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57238

Company: ALTA ENV.		Report To:
Address: 3777 Long Beach Blvd, Ann Fax Long Beach CA	Project Name: Panama St.	Address:
Telephone: 562-495-5777 Fax: -5877	Site Address: 12922 Panama St.	Invoice To:
Special Instruction:	Project ID: MCGU-13-6182	Address:
E-mail:	Project Manager: F. Barkman	P.O.#:

ANALYSIS REQUESTED

8260B VOCs
6010B/7471A – THE 22 Metals
* ARCHIVE *
8270C (Phenol)
Surfactants

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks / New I.D.
		B43-2.5	6/6/13	0730	5	VOAs/ SLEEVE	SOIL	5035/ICE	① 298991
1	298852	-5		0740					② 298992
2	298853	-10		0750					
3	298854	B43A		0800	4	VOAs/ POLY	WATER	ICE	
4	298855	B45-2.5		0820	5	VOAs/ SLEEVE	SOIL	5035/ICE	
5	298856	-5		0830					
		-10		0840					
		B44-2.5		0850					⑫ ARCHIVE
6	298857	-5		0900					
7	298858	-10		0910					

Collected By:	Date 6/6/13	Time 1430	Relinquished By:	Date	Time
Relinquished By:	Date 6/6/13	Time 15:45	Received For Laboratory: Alex	Date 6_6_13	Time 15:45
Received By:	Date	Time	Condition of Sample:		

TAT ☐ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Additional Request (6/10/13)
Normal TAT, Due 6/17/13

NEW JOB # 57256

COC# Nº 63971 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57238

Company: Alta Environmental		Report To: jonathan.barkman@altaenv.com	ANALYSIS REQUESTED
Address: 5777 Long Beach Blvd Long Beach CA 90807	Project Name: Panama Site	Address:	
	Site Address: 17922 Panama Street Los Angeles CA	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877		Address:	
Special Instruction:	Project ID:		
E-mail:	Project Manager: Mike Cassidy	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOCs 8260B	TPH 8015B	Archive	8270C (Phenol)	Surfactants						Remarks
8	298859	B55-2.5	6/6/13	0920	5	1 Tube 4 VOA	Soil		X	X									
9	298860	-5		0930	5				X	X									
		-10		0940	5						X								
10	298861	B55A		0950	4	3 VOA 1 Poly	Water		X	X									
11	298862	B46-2.5		1015	5	1 Tube 4 VOA	Soil		X	X									
12	298863	-5		1025	5				X	X									
		-10		1035	5						X								
13	298864	B53-7.5		1055	5				X	X		✓	✓					③	298993
14	298865	-5		1105	5				X	X		✓	✓					④	298994
		-10		1115	5						X								

Collected By:	Date 6/6/13	Time 1430	Relinquished By:	Date	Time
Relinquished By:	Date 6/6/13	Time 15:45	Received For Laboratory: Alex	Date 6-6-13	Time 15:45
Received By:	Date	Time	Condition of Sample:		

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

CHAIN OF CUSTODY RECORD

Additional Request (6/10/13)
Normal TAT, Due: 6/17/13

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

NEW JOB = 57256

COC# № 63972 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57238

Company: ALTA ENV.	Report To:
Address: 3777 LB Blvd, Annex LB, CA	Project Name: Panama St Site Address: 12922 Panama St. LA CA
Telephone: 562-495-5777 Fax:	Address:
Special Instruction:	Project ID: MCGU-13-6182
E-mail:	Project Manager: F. Barkman
	P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	8260B VOCs	8260B/7471A-THg=22 Metals *ARCHIVE*	8270C (Phenol)	Surfactants	Remarks
15	298866	B52-2.5	6/6/13	1125	5	VOAs/ SLEEVE	SOIL	5035/ICE (KD)	X	X			New ID
16	298867	-5		1135			SOIL	5035/ICE	X	X			
		-10		1145									
17	298868	B50-2.5		1215					X				
18	298869	-5		1220									
		-10		1225									
19	298870	B51-2.5		1235					X				
20	298871	-5		1245									
		-10		1255									
21	298872	B37-2.5		1350					X	X	✓	✓	(S) 298995

Collected By:		Date 6/6/13	Time 1430	Relinquished By:	Date / Time
Relinquished By:		Date 6/6/13	Time 15:45	Received For Laboratory: Alex	Date 6-6-13 Time 15:45
Received By:		Date	Time	Condition of Sample:	

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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Additional Request (6/10/13)
Normal TAT, Due: 6/17/13

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NEW JOB # 57256

COC# Nº 63977 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57238

Company: Alta Environmental		Report To: jonathon.backman@altaenviron.com
Address: 3777 Long Beach Blvd Long Beach CA	Project Name: Panama Site	Address:
	Site Address: 17922 Panama Street	Invoice To:
Telephone: 562-495-5777 Fax: 562-495-5877		Address:
Special Instruction:	Project ID:	
E-mail:	Project Manager:	P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	VOCs 8260B	TZZ 6010B	*ARCHIVE*	8270C (phenol)	Surfactants	Remarks
22	298873	B37-5	6/6/13	1400	5	4 VOA 1 Tube	Soil		X	X		✓	✓	(6) 298996
		B37-10	↓	1410	5	4 VOA 1 Tube	Soil				X			
23	298874	B42A	↓	1500	4	3 VOA 1 Poly	Water		X	X				
24	298875	B37A	↓	1420	4	↓	WATER		X	X				

New I.D.

Collected By:		Date 6/6/13	Time 1430	Relinquished By:	Date	Time	TAT
Relinquished By:		Date 6/6/13	Time 15:45	Received For Laboratory	Date 6-6-13	Time 15:45	☒ Normal ☐ Rush
Received By:		Date	Time	Condition of Sample:			

White - Report, Yellow - Laboratory, Pink - Client

CHAIN OF CUSTODY RECORD

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama St.

Page: **2**

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57256	06/06/2013	ALTAEN

Method: 425.1, Surfactants (MBAS)

QC Batch No: 061113-1

Our Lab I.D.			**298991**	**298992**	**298993**	**298994**	**298995**
Client Sample I.D.			B43-2.5	B43-5	B53-2.5	B53-5	B37-2.5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Conventionals							
Surfactants(MBAS)	0.250	1.00	ND	ND	ND	ND	ND

QUALITY CONTROL REPORT

QC Batch No: 061113-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Conventionals										
Surfactants(MBAS)	100	105	5.3	80-120						

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama St.

Page: **3**

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57256	06/06/2013	ALTAEN

Method: 425.1, Surfactants (MBAS)

QC Batch No: 061113-1

Our Lab I.D.			**298996**				
Client Sample I.D.			B37-5				
Date Sampled			06/06/2013				
Date Prepared			06/11/2013				
Preparation Method							
Date Analyzed			06/11/2013				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Conventionals							
Surfactants(MBAS)	0.250	1.00	ND				

QUALITY CONTROL REPORT

QC Batch No: 061113-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Conventionals										
Surfactants(MBAS)	100	105	5.3	80-120						

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ANALYTICAL RESULTS

Ordered By

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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama St.

Page: **4**

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57256	06/06/2013	ALTAEN

Method: 8270C, Semivolatile Organics

QC Batch No: 061313-1

Our Lab I.D.			298991	298992	298993	298994	298995
Client Sample I.D.			B43-2.5	B43-5	B53-2.5	B53-5	B37-2.5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/13/2013	06/13/2013	06/13/2013	06/13/2013	06/13/2013
Preparation Method							
Date Analyzed			06/13/2013	06/13/2013	06/13/2013	06/13/2013	06/13/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acenaphthene	13.8	330	ND	ND	ND	ND	ND
Acenaphthylene	16.1	330	ND	ND	ND	ND	ND
Anthracene	9.90	330	ND	ND	ND	ND	ND
Benz(a)anthracene (Benzo(a)anthracene)	12.8	330	ND	ND	ND	ND	ND
Benzo(a)pyrene	18.9	330	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	21.8	330	ND	ND	ND	ND	ND
Benzo(ghi)perylene	18.4	330	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	19.0	330	ND	ND	ND	ND	ND
Benzoic acid	36.7	1700	ND	ND	ND	ND	ND
Benzyl alcohol	22.6	660	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	19.6	330	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	20.3	330	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	17.3	330	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	11.1	330	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	14.6	330	ND	ND	ND	ND	ND
Butyl benzyl phthalate (Benzyl butyl phthalate)	13.3	330	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	23.2	660	ND	ND	ND	ND	ND
4-Chloroaniline	20.0	660	ND	ND	ND	ND	ND
2-Chloronaphthalene	19.5	330	ND	ND	ND	ND	ND
2-Chlorophenol (o-Chlorophenol)	18.8	330	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	17.2	330	ND	ND	ND	ND	ND
Chrysene	14.4	330	ND	ND	ND	ND	ND
Di-n-butyl phthalate	10.1	330	ND	ND	ND	ND	ND
Di-n-octyl phthalate (Dioctyl ester)	14.7	330	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	16.1	330	ND	ND	ND	ND	ND
Dibenzofuran	15.7	330	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	20.2	330	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57256	06/06/2013	ALTAEN

Method: 8270C, Semivolatile Organics

QC Batch No: 061313-1

Our Lab I.D.			298991	298992	298993	298994	298995
Client Sample I.D.			B43-2.5	B43-5	B53-2.5	B53-5	B37-2.5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/13/2013	06/13/2013	06/13/2013	06/13/2013	06/13/2013
Preparation Method							
Date Analyzed			06/13/2013	06/13/2013	06/13/2013	06/13/2013	06/13/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,2-Dichlorobenzene (o-Dichlorobenzene)	17.8	330	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	18.4	330	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	14.6	660	ND	ND	ND	ND	ND
2,4-Dichlorophenol	24.1	1700	ND	ND	ND	ND	ND
Diethyl phthalate (Diethyl ester)	13.9	330	ND	ND	ND	ND	ND
2,4-Dimethylphenol	22.4	330	ND	ND	ND	ND	ND
Dimethyl phthalate (Dimethyl ester)	15.5	330	ND	ND	ND	ND	ND
2,4-Dinitrophenol	128	1700	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	17.3	330	ND	ND	ND	ND	ND
2,6-Dinitrotoluene (2,6-DNT)	16.0	330	ND	ND	ND	ND	ND
Fluoranthene	8.00	330	ND	ND	ND	ND	ND
Fluorene	14.2	330	ND	ND	ND	ND	ND
Hexachlorobenzene	9.70	330	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	15.9	330	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	16.5	660	ND	ND	ND	ND	ND
Hexachloroethane	22.6	330	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	16.8	330	ND	ND	ND	ND	ND
Isophorone	20.1	330	ND	ND	ND	ND	ND
2-methyl-4,6-Dinitrophenol	31.2	1700	ND	ND	ND	ND	ND
2-Methylnaphthalene	19.1	330	ND	ND	ND	ND	ND
2-Methylphenol (o-Cresol, 2-Cresol)	21.2	330	ND	ND	ND	ND	ND
4-Methylphenol (p-Cresol, 4-Cresol)	22.5	330	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	22.7	330	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	11.4	330	ND	ND	ND	ND	ND
Naphthalene	18.9	330	ND	ND	ND	ND	ND
2-Nitroaniline	16.7	1700	ND	ND	ND	ND	ND
3-Nitroaniline	17.5	1700	ND	ND	ND	ND	ND
4-Nitroaniline	12.9	1700	ND	ND	ND	ND	ND
Nitrobenzene (NB)	18.7	330	ND	ND	ND	ND	ND
2-Nitrophenol (o-Nitrophenol)	26.0	330	ND	ND	ND	ND	ND
4-Nitrophenol	26.0	1700	ND	ND	ND	ND	ND
Pentachlorophenol	22.7	1700	ND	ND	ND	ND	ND
Phenanthrene	10.9	330	ND	ND	ND	ND	ND
Phenol	16.9	330	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57256	06/06/2013	ALTAEN

Method: 8270C, Semivolatile Organics

QC Batch No: 061313-1

Our Lab I.D.			298991	298992	298993	298994	298995
Client Sample I.D.			B43-2.5	B43-5	B53-2.5	B53-5	B37-2.5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/13/2013	06/13/2013	06/13/2013	06/13/2013	06/13/2013
Preparation Method							
Date Analyzed			06/13/2013	06/13/2013	06/13/2013	06/13/2013	06/13/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Pyrene	8.20	330	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	16.6	330	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	23.6	330	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	19.4	330	ND	ND	ND	ND	ND

Comment(s):
298993:Low surrogate recovery due to matrix.

Our Lab I.D.			298991	298992	298993	298994	298995
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
2-Fluorophenol	21-105		49	44	43	33	30
Phenol-d6	10-107		45	49	42	35	50
2,4,6-Tribromophenol	10-123		68	71	62	54	66
Nitrobenzene-d5	35-114		43	41	31	37	40
2-Fluorobiphenyl	18-116		63	69	61	58	70
Terphenyl-d14	33-141		69	75	66	67	84

QUALITY CONTROL REPORT

QC Batch No: 061313-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	69	70	1.4	43-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	75	78	3.9	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	77	76	1.3	27-123	<30					
1,4-Dichlorobenzene	67	66	1.5	36-105	<30					
2,4-Dinitrotoluene	91	90	1.1	24-120	<30					
N-Nitroso-Di-n-propylamine	68	64	6.1	41-116	<30					
4-Nitrophenol	59	53	10.7	10-133	<30					
Pentachlorophenol	50	40	22.2	9-118	<30					
Phenol	78	74	5.3	12-110	<30					
Pyrene	112	114	1.8	26-127	<30					
1,2,4-Trichlorobenzene	73	73	<1	39-98	<30					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama St.

Page: **7**

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57256	06/06/2013	ALTAEN

Method: 8270C, Semivolatile Organics

QC Batch No: 061313-1

Our Lab I.D.			**298996**				
Client Sample I.D.			B37-5				
Date Sampled			06/06/2013				
Date Prepared			06/13/2013				
Preparation Method							
Date Analyzed			06/13/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acenaphthene	13.8	330	ND				
Acenaphthylene	16.1	330	ND				
Anthracene	9.90	330	ND				
Benz(a)anthracene (Benzo(a)anthracene)	12.8	330	ND				
Benzo(a)pyrene	18.9	330	ND				
Benzo(b)fluoranthene	21.8	330	ND				
Benzo(ghi)perylene	18.4	330	ND				
Benzo(k)fluoranthene	19.0	330	ND				
Benzoic acid	36.7	1700	ND				
Benzyl alcohol	22.6	660	ND				
Bis(2-chloroethoxy)methane	19.6	330	ND				
Bis(2-chloroethyl)ether	20.3	330	ND				
Bis(2-chloroisopropyl) ether	17.3	330	ND				
Bis(2-ethylhexyl) phthalate	11.1	330	ND				
4-Bromophenyl phenyl ether	14.6	330	ND				
Butyl benzyl phthalate (Benzyl butyl phthalate)	13.3	330	ND				
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	23.2	660	ND				
4-Chloroaniline	20.0	660	ND				
2-Chloronaphthalene	19.5	330	ND				
2-Chlorophenol (o-Chlorophenol)	18.8	330	ND				
4-Chlorophenyl phenyl ether	17.2	330	ND				
Chrysene	14.4	330	ND				
Di-n-butyl phthalate	10.1	330	ND				
Di-n-octyl phthalate (Dioctyl ester)	14.7	330	ND				
Dibenz(a,h)anthracene	16.1	330	ND				
Dibenzofuran	15.7	330	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	20.2	330	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57256	06/06/2013	ALTAEN

Method: 8270C, Semivolatile Organics

QC Batch No: 061313-1

Our Lab I.D.			**298996**				
Client Sample I.D.			B37-5				
Date Sampled			06/06/2013				
Date Prepared			06/13/2013				
Preparation Method							
Date Analyzed			06/13/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	17.8	330	ND				
1,4-Dichlorobenzene	18.4	330	ND				
3,3'-Dichlorobenzidine	14.6	660	ND				
2,4-Dichlorophenol	24.1	1700	ND				
Diethyl phthalate (Diethyl ester)	13.9	330	ND				
2,4-Dimethylphenol	22.4	330	ND				
Dimethyl phthalate (Dimethyl ester)	15.5	330	ND				
2,4-Dinitrophenol	128	1700	ND				
2,4-Dinitrotoluene	17.3	330	ND				
2,6-Dinitrotoluene (2,6-DNT)	16.0	330	ND				
Fluoranthene	8.00	330	ND				
Fluorene	14.2	330	ND				
Hexachlorobenzene	9.70	330	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	15.9	330	ND				
Hexachlorocyclopentadiene	16.5	660	ND				
Hexachloroethane	22.6	330	ND				
Indeno(1,2,3-cd)pyrene	16.8	330	ND				
Isophorone	20.1	330	ND				
2-methyl-4,6-Dinitrophenol	31.2	1700	ND				
2-Methylnaphthalene	19.1	330	ND				
2-Methylphenol (o-Cresol, 2-Cresol)	21.2	330	ND				
4-Methylphenol (p-Cresol, 4-Cresol)	22.5	330	ND				
N-Nitroso-Di-n-propylamine	22.7	330	ND				
N-Nitrosodiphenylamine	11.4	330	ND				
Naphthalene	18.9	330	ND				
2-Nitroaniline	16.7	1700	ND				
3-Nitroaniline	17.5	1700	ND				
4-Nitroaniline	12.9	1700	ND				
Nitrobenzene (NB)	18.7	330	ND				
2-Nitrophenol (o-Nitrophenol)	26.0	330	ND				
4-Nitrophenol	26.0	1700	ND				
Pentachlorophenol	22.7	1700	ND				
Phenanthrene	10.9	330	ND				
Phenol	16.9	330	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57256	06/06/2013	ALTAEN

Method: 8270C, Semivolatile Organics

QC Batch No: 061313-1

Our Lab I.D.			**298996**				
Client Sample I.D.			B37-5				
Date Sampled			06/06/2013				
Date Prepared			06/13/2013				
Preparation Method							
Date Analyzed			06/13/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Pyrene	8.20	330	ND				
1,2,4-Trichlorobenzene	16.6	330	ND				
2,4,5-Trichlorophenol	23.6	330	ND				
2,4,6-Trichlorophenol	19.4	330	ND				

Our Lab I.D.			**298996**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
2-Fluorophenol	21-105		40				
Phenol-d6	10-107		39				
2,4,6-Tribromophenol	10-123		60				
Nitrobenzene-d5	35-114		45				
2-Fluorobiphenyl	18-116		57				
Terphenyl-d14	33-141		72				

QUALITY CONTROL REPORT

QC Batch No: 061313-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Acenaphthene	69	70	1.4	43-118	<30					
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	75	78	3.9	23-117	<30					
2-Chlorophenol (o-Chlorophenol)	77	76	1.3	27-123	<30					
1,4-Dichlorobenzene	67	66	1.5	36-105	<30					
2,4-Dinitrotoluene	91	90	1.1	24-120	<30					
N-Nitroso-Di-n-propylamine	68	64	6.1	41-116	<30					
4-Nitrophenol	59	53	10.7	10-133	<30					
Pentachlorophenol	50	40	22.2	9-118	<30					
Phenol	78	74	5.3	12-110	<30					
Pyrene	112	114	1.8	26-127	<30					
1,2,4-Trichlorobenzene	73	73	<1	39-98	<30					

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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Jonathan Barkman

Number of Pages 32
Date Received 06/06/2013
Date Reported 06/13/2013

Job Number	Ordered	Client
57238	06/06/2013	ALTAEN

Project ID: MCGU-13-6182
Project Name: Panama St.
Site: 12922 Panama Street

Enclosed are the results of analyses on 24 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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COC# № 63970 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57238

CHAIN OF CUSTODY RECORD

Company: ALTA ENV.
Address: 3777 Long Beach Blvd, Ann 7th Long Beach CA
Telephone: 562-435-5777 -5877
Fax:
Special Instruction:
E-mail:

Project Name: Panama St.
Site Address: 12922 Panama St.
Project ID: MCGV-13-6182
Project Manager: F. Barkman

Report To:
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	8260B VOCs	6010B/7471A – TTLC 22 Metals	* ARCHIVE*	Remarks
		B43-2.5	6/6/13	0730	5	VOAS/ SLEEVE	SOIL	5035/ICE	X	X		
1	298852	-5		0740								
2	298853	-10		0750								
3	298854	B43A		0800	4	VOAS/ POLY	WATER	ICE				
4	298855	B45-2.5		0820	5	VOAS/ SLEEVE	SOIL	5035/ICE				
5	298856	-5		0830								
		-10		0840								
		B44-2.5		0850							(X)	ARCHIVE
6	298857	-5		0900								
7	298858	-10		0910								

Collected By: _____ Date 6/6/13 Time 1430
Relinquished By: _____ Date 6/6/13 Time 15:45
Received By: _____ Date _____ Time _____

Relinquished By: _____ Date _____ Time _____
Received For Laboratory: alx Date 6-6-13 Time 15:45
Condition of Sample: _____

TAT ☐ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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COC# Nº 63971 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57238

Company: Alta Environmental		Report To: jonathan.backman@altaenv.com	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd Long Beach CA 90807	Project Name: Panama Site	Address:	
	Site Address: 17922 Panama Street	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877	Los Angeles CA	Address:	
Special Instruction:	Project ID:		
E-mail:	Project Manager: Mik Cassidy	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOCs 8260B	TPH 8015B Archive	Remarks
8	298859	B55-2.5	6/6/13	0920	5	1 Tube 4 VOA	Soil		X	X	
9	298860	-5		0930	5	〃	〃		X	X	
		-10		0940	5	〃	〃				X
10	298861	B55A		0950	4	3 VOA 1 Poly	Water		X	X	
11	298862	B46-2.5		1015	5	1 Tube 4 VOA	Soil		X	X	
12	298863	-5		1025	5	〃	〃		X	X	
		-10		1035	5	〃	〃				X
13	298864	B53-7.5		1055	5	〃	〃		X	X	
14	298865	-5		1105	5	〃	〃		X	X	
		-10		1115	5	〃	〃				X

Collected By:	Date 6/6/13	Time 1430	Relinquished By:	Date	Time
Relinquished By:	Date 6/6/13	Time 1545	Received For Laboratory	Date 6-6-13	Time 1545
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

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CHAIN OF CUSTODY RECORD

COC# № 63972 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57238

Company: ALTA ENV.	Report To:
Address: 3777 LB Blvd, Annex LB, CA	Project Name: Panama St Site Address: 12922 Panama St. LA CA
Telephone: 562-495-5777 Fax:	Invoice To:
Special Instruction:	Address: Project ID: MCGU-13-6182
E-mail:	Project Manager: F. Barkman P.O.#:

ANALYSIS REQUESTED: 8260B VOCs; 8260B/7471A-THg=22 MLEADS; *ARCHIVE *

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
15	298866	B52-2.5	6/6/13	1125	5	VOAs/ SLEEVE	SOIL	5035/ICE (KO)	
16	298867	-5		1135			SOIL	5035/ICE	
		-10		1145					
17	298868	B53-2.5		1215					
18	298869	-5		1220					
		-10		1225					
19	298870	B51-2.5		1235					
20	298871	-5		1245					
		-10		1255					
21	298872	B37-2.5		1350					

Collected By: [signature]	Date 6/6/13	Time 1430	Relinquished By:	Date	Time
Relinquished By: [signature]	Date 6/6/13	Time 15:45	Received For Laboratory Alex	Date 6-6-13	Time 15:45
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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COC# Nº 63977 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57238

CHAIN OF CUSTODY RECORD

Company: Alta Environmental		Report To: jonathon.barkman@altaenviron.com	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd Long Beach CA	Project Name: Panama Site	Address:	
	Site Address: 17922 Panama Street	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877		Address:	
Special Instruction:	Project ID:		
E-mail:	Project Manager:	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	VOCs 8260B	TPH 8015B	*ARCHIVE*	Remarks
22	298873	B37-5	6/6/13	1400	5	4 VOA 1 Tube	Soil		XX			
		B37-10	↓	1410	5	4 VOA 1 Tube	Soil				X	
23	298874	B42A	↓	1500	4	3 VOA 1 Poly	Water		XX			
24	298875	B37A	↓	1420	4	↓	WATER		XX			

Collected By:		Date 6/6/13	Time 1430	Relinquished By:	Date	Time	TAT
Relinquished By:		Date 6/6/13	Time 15:45	Received For Laboratory	Date 6-6-13	Time 15:45	☒ Normal
Received By:		Date	Time	Condition of Sample:			☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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ANALYTICAL RESULTS

Ordered By

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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street

Page: **2**

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061113-3

Our Lab I.D.		298869	298870	298871	298872	298873
Client Sample I.D.		B50-5	B51-2.5	B51-5	B37-2.5	B37-5
Date Sampled		06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared		06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method						
Date Analyzed		06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	0.0613	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	1.13	ND
Arsenic	0.250	4.03	1.50	9.52	2.55	5.86
Barium	0.500	106	105	88.3	81.3	71.5
Beryllium	0.500	ND	ND	ND	ND	ND
Cadmium	0.500	1.96	2.57	2.20	1.41	1.63
Chromium	0.500	29.9	35.5	26.7	19.2	26.2
Cobalt	0.500	6.37	8.14	9.35	4.80	6.79
Copper	0.500	22.3	152	22.7	52.8	18.9
Lead	0.250	3.42	14.4	3.55	11.1	3.10
Molybdenum	0.500	1.21	1.72	2.66	ND	1.23
Nickel	0.500	27.7	20.1	23.1	14.2	21.3
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	47.2	41.8	53.4	23.8	39.8
Zinc	0.500	49.7	85.7	53.1	67.3	43.5

QUALITY CONTROL REPORT

QC Batch No: 061113-3

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	100	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	90	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 061113-3

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	95	80-120								
Beryllium	101	80-120								
Cadmium	92	80-120								
Chromium	92	80-120								
Cobalt	94	80-120								
Copper	95	80-120								
Lead	93	80-120								
Molybdenum	91	80-120								
Nickel	92	80-120								
Selenium	91	80-120								
Silver	97	80-120								
Thallium	95	80-120								
Vanadium	93	80-120								
Zinc	104	80-120								

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ANALYTICAL RESULTS

Ordered By

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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street

Page: **4**

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061113-4

Our Lab I.D.			298852	298853	298855	298856	298857
Client Sample I.D.			B43-5	B43-10	B45-2.5	B45-5	B44-5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals							
Mercury	0.0100	0.0500	ND	ND	ND	ND	ND
ICP Metals							
Antimony	0.200	0.500	ND	ND	ND	ND	ND
Arsenic	0.150	0.250	2.68	3.65	1.01	4.38	5.34
Barium	0.0500	0.500	115	89.0	101	149	140
Beryllium	0.0400	0.500	ND	ND	ND	ND	ND
Cadmium	0.0400	0.500	1.58	2.18	2.00	2.16	2.23
Chromium	0.0500	0.500	30.8	45.5	30.2	29.9	29.5
Cobalt	0.0500	0.500	6.80	8.65	7.76	8.28	8.94
Copper	0.0500	0.500	23.2	23.2	163	24.4	23.4
Lead	0.100	0.250	3.34	2.53	10.9	3.70	4.01
Molybdenum	0.0500	0.500	1.17	0.846	ND	2.86	2.57
Nickel	0.100	0.500	24.8	31.9	20.6	26.1	28.0
Selenium	0.200	0.500	ND	ND	ND	ND	ND
Silver	0.0500	0.500	ND	ND	ND	ND	ND
Thallium	0.150	0.500	ND	ND	ND	ND	ND
Vanadium	0.0500	0.500	45.7	57.6	39.6	50.2	50.8
Zinc	0.350	0.500	54.7	64.6	84.4	52.5	61.0

QUALITY CONTROL REPORT

QC Batch No: 061113-4

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	91	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	92	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 061113-4

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	97	80-120								
Beryllium	102	80-120								
Cadmium	94	80-120								
Chromium	93	80-120								
Cobalt	95	80-120								
Copper	96	80-120								
Lead	93	80-120								
Molybdenum	93	80-120								
Nickel	94	80-120								
Selenium	93	80-120								
Silver	98	80-120								
Thallium	96	80-120								
Vanadium	94	80-120								
Zinc	104	80-120								

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ANALYTICAL RESULTS

Ordered By

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Attn: Jonathan Barkman

Site

12922 Panama Street

Page: 6

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061113-4

Our Lab I.D.			298858	298859	298860	298862	298863
Client Sample I.D.			B44-10	B55-2.5	B55-5	B46-2.5	B46-5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals							
Mercury	0.0100	0.0500	ND	0.0520	ND	0.0537	ND
ICP Metals							
Antimony	0.200	0.500	ND	ND	ND	ND	ND
Arsenic	0.150	0.250	4.48	1.59	3.46	1.72	9.07
Barium	0.0500	0.500	64.9	103	110	116	80.8
Beryllium	0.0400	0.500	ND	ND	0.531	ND	ND
Cadmium	0.0400	0.500	1.71	2.39	2.06	2.30	1.97
Chromium	0.0500	0.500	24.5	34.6	32.6	34.2	26.9
Cobalt	0.0500	0.500	5.98	7.38	6.95	9.16	6.28
Copper	0.0500	0.500	18.4	142	26.6	137	21.7
Lead	0.100	0.250	2.72	12.8	3.98	9.58	3.53
Molybdenum	0.0500	0.500	0.884	ND	2.41	ND	4.09
Nickel	0.100	0.500	22.2	19.1	29.8	24.3	20.0
Selenium	0.200	0.500	ND	ND	ND	ND	ND
Silver	0.0500	0.500	ND	ND	ND	ND	ND
Thallium	0.150	0.500	ND	ND	ND	ND	ND
Vanadium	0.0500	0.500	40.4	41.9	54.5	45.7	45.1
Zinc	0.350	0.500	48.3	78.5	57.6	88.9	50.2

QUALITY CONTROL REPORT

QC Batch No: 061113-4

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	91	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	92	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 061113-4

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	97	80-120								
Beryllium	102	80-120								
Cadmium	94	80-120								
Chromium	93	80-120								
Cobalt	95	80-120								
Copper	96	80-120								
Lead	93	80-120								
Molybdenum	93	80-120								
Nickel	94	80-120								
Selenium	93	80-120								
Silver	98	80-120								
Thallium	96	80-120								
Vanadium	94	80-120								
Zinc	104	80-120								

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street

Page: **8**

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061113-4

Our Lab I.D.			298864	298865	298866	298867	298868
Client Sample I.D.			B53-2.5	B53-5	B52-2.5	B52-5	B50-2.5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals							
Mercury	0.0100	0.0500	0.0757	ND	ND	ND	ND
ICP Metals							
Antimony	0.200	0.500	ND	ND	ND	ND	1.15
Arsenic	0.150	0.250	1.85	19.5	1.69	1.20	2.66
Barium	0.0500	0.500	112	97.3	113	54.9	119
Beryllium	0.0400	0.500	ND	ND	ND	ND	ND
Cadmium	0.0400	0.500	2.47	2.23	2.16	2.45	2.17
Chromium	0.0500	0.500	33.1	22.1	33.0	25.6	29.1
Cobalt	0.0500	0.500	7.49	5.37	8.16	5.92	8.55
Copper	0.0500	0.500	162	17.8	182	20.2	119
Lead	0.100	0.250	13.0	3.11	57.6	3.09	9.43
Molybdenum	0.0500	0.500	ND	1.29	ND	ND	ND
Nickel	0.100	0.500	20.9	17.8	21.7	22.3	20.5
Selenium	0.200	0.500	ND	ND	ND	ND	ND
Silver	0.0500	0.500	ND	ND	ND	ND	ND
Thallium	0.150	0.500	ND	ND	ND	ND	ND
Vanadium	0.0500	0.500	39.4	44.5	42.5	36.5	41.9
Zinc	0.350	0.500	90.6	44.4	86.1	48.7	81.3

QUALITY CONTROL REPORT

QC Batch No: 061113-4

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	91	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	92	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 061113-4

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	97	80-120								
Beryllium	102	80-120								
Cadmium	94	80-120								
Chromium	93	80-120								
Cobalt	95	80-120								
Copper	96	80-120								
Lead	93	80-120								
Molybdenum	93	80-120								
Nickel	94	80-120								
Selenium	93	80-120								
Silver	98	80-120								
Thallium	96	80-120								
Vanadium	94	80-120								
Zinc	104	80-120								

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ANALYTICAL RESULTS

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Site

12922 Panama Street

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Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061113

Our Lab I.D.			298865	298866	298867	298868	
Client Sample I.D.			B53-5	B52-2.5	B52-5	B50-2.5	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	12.7	50.0	ND	62.0	ND	ND	
Benzene	0.930	2.00	ND	1.82J	ND	2.84	
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	
Chloroethane	2.15	30.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	
Dibromomethane	2.30	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061113

Our Lab I.D.			298865	298866	298867	298868	
Client Sample I.D.			B53-5	B52-2.5	B52-5	B50-2.5	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	2.16	10.0	ND	24.4	3.10J	ND	
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	
2-Hexanone	3.18	50.0	ND	ND	ND	ND	
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	
MTBE	2.90	5.00	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	
Naphthalene	1.14	10.0	ND	ND	ND	ND	
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	
Styrene	0.800	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND	ND	36.1	
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	2.12	
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061113

Our Lab I.D.			298865	298866	298867	298868	
Client Sample I.D.			B53-5	B52-2.5	B52-5	B50-2.5	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Trichloroethene (TCE)	1.15	10.0	1.38J	1.54J	ND	3.48J	
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	
o-Xylene	1.00	2.00	ND	ND	ND	ND	
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	

Our Lab I.D.			298865	298866	298867	298868	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		104	118	98	118	
Dibromofluoromethane	70-120		96	106	106	114	
Toluene-d8	70-120		98	96	101	99	

QUALITY CONTROL REPORT

QC Batch No: S1B-061113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	83	83	<1	75-120	15					
Chlorobenzene	85	87	2.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	106	109	2.8	75-120	15					
MTBE	80	84	4.9	75-120	15					
Toluene (Methyl benzene)	96	99	3.1	75-120	15					
Trichloroethene (TCE)	83	85	2.4	75-120	15					

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ANALYTICAL RESULTS

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Site

12922 Panama Street

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Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			298858	298860	298862	298864	298869
Client Sample I.D.			B44-10	B55-5	B46-2.5	B53-2.5	B50-5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	ND	46.0J	ND
Benzene	0.930	2.00	ND	ND	ND	1.66J	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	1.32J	1.88J	1.46J	1.68J	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			298858	298860	298862	298864	298869
Client Sample I.D.			B44-10	B55-5	B46-2.5	B53-2.5	B50-5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	2.44J	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	46.2	210	ND	132	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	3.04J	ND	2.68J	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	3.44J	ND	26.5	2.92J	ND
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			298858	298860	298862	298864	298869
Client Sample I.D.			B44-10	B55-5	B46-2.5	B53-2.5	B50-5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	06/12/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	3.24J	2.56J	42.4	8.44J	ND
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			298858	298860	298862	298864	298869
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		102	104	111	108	102
Dibromofluoromethane	70-120		98	110	117	102	104
Toluene-d8	70-120		98	101	98	96	98

QUALITY CONTROL REPORT

QC Batch No: S1B-061213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	99	93	6.3	75-120	15					
Chlorobenzene	93	88	5.5	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	110	103	6.6	75-120	15					
MTBE	84	80	4.9	75-120	15					
Toluene (Methyl benzene)	109	102	6.6	75-120	15					
Trichloroethene (TCE)	98	91	7.4	75-120	15					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			298870	298871	298872	298873	
Client Sample I.D.			B51-2.5	B51-5	B37-2.5	B37-5	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	12.7	50.0	40.0J	ND	24.4J	ND	
Benzene	0.930	2.00	2.76	ND	3.90	ND	
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	
Carbon disulfide	5.53	10.0	14.2	ND	ND	ND	
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	
Chloroethane	2.15	30.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	1.30J	2.10J	
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	
Dibromomethane	2.30	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			298870	298871	298872	298873	
Client Sample I.D.			B51-2.5	B51-5	B37-2.5	B37-5	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	
2-Hexanone	3.18	50.0	ND	ND	ND	ND	
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	
MTBE	2.90	5.00	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	
Naphthalene	1.14	10.0	ND	ND	ND	ND	
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	
Styrene	0.800	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	89.3	2.28J	45.5	2.76J	
Toluene (Methyl benzene)	1.00	2.00	1.60J	ND	2.04	ND	
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			298870	298871	298872	298873	
Client Sample I.D.			B51-2.5	B51-5	B37-2.5	B37-5	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	
Preparation Method							
Date Analyzed			06/12/2013	06/12/2013	06/12/2013	06/12/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Trichloroethene (TCE)	1.15	10.0	21.4	1.24J	ND	ND	
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	
o-Xylene	1.00	2.00	ND	ND	ND	ND	
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	

Our Lab I.D.			298870	298871	298872	298873	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		104	104	112	102	
Dibromofluoromethane	70-120		116	106	116	108	
Toluene-d8	70-120		94	98	99	99	

QUALITY CONTROL REPORT

QC Batch No: S1B-061213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	99	93	6.3	75-120	15					
Chlorobenzene	93	88	5.5	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	110	103	6.6	75-120	15					
MTBE	84	80	4.9	75-120	15					
Toluene (Methyl benzene)	109	102	6.6	75-120	15					
Trichloroethene (TCE)	98	91	7.4	75-120	15					

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ANALYTICAL RESULTS

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Site

12922 Panama Street

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Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			**298859**				
Client Sample I.D.			B55-2.5				
Date Sampled			06/06/2013				
Date Prepared			06/12/2013				
Preparation Method							
Date Analyzed			06/12/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			10				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	127	500	ND				
Benzene	9.30	20.0	ND				
Bromobenzene (Phenyl bromide)	33.9	100	ND				
Bromochloromethane (Chlorobromomethane)	3.80	100	ND				
Bromodichloromethane (Dichlorobromomethane)	6.30	100	ND				
Bromoform (Tribromomethane)	33.9	500	ND				
Bromomethane (Methyl bromide)	27.5	300	ND				
2-Butanone (MEK, Methyl ethyl ketone)	58.3	500	ND				
n-Butylbenzene	20.5	100	ND				
sec-Butylbenzene	30.4	100	ND				
tert-Butylbenzene	13.4	100	ND				
Carbon disulfide	55.3	100	ND				
Carbon tetrachloride (Tetrachloromethane)	24.8	100	ND				
Chlorobenzene	8.90	100	ND				
Chloroethane	21.5	300	ND				
2-Chloroethyl vinyl ether	55.3	500	ND				
Chloroform (Trichloromethane)	12.4	100	67.0J				
Chloromethane (Methyl chloride)	17.4	300	ND				
4-Chlorotoluene (p-Chlorotoluene)	13.4	100	ND				
2-Chlorotoluene (o-Chlorotoluene)	23.5	100	ND				
1,2-Dibromo-3-chloropropane (DBCP)	26.9	500	ND				
Dibromochloromethane	6.50	100	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	27.5	100	ND				
Dibromomethane	23.0	100	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.3	100	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	16.5	100	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			**298859**				
Client Sample I.D.			B55-2.5				
Date Sampled			06/06/2013				
Date Prepared			06/12/2013				
Preparation Method							
Date Analyzed			06/12/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			10				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	22.3	100	ND				
Dichlorodifluoromethane	20.7	300	ND				
1,1-Dichloroethane	13.0	100	ND				
1,2-Dichloroethane	15.7	100	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	16.0	100	ND				
cis-1,2-Dichloroethene	21.6	100	3060				
trans-1,2-Dichloroethene	26.0	100	46.0J				
1,2-Dichloropropane	6.60	100	ND				
1,3-Dichloropropane	9.20	100	ND				
2,2-Dichloropropane	13.6	100	ND				
1,1-Dichloropropene	11.2	100	ND				
cis-1,3-Dichloropropene	9.80	100	ND				
trans-1,3-Dichloropropene	9.60	100	ND				
Ethylbenzene	10.0	20.0	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	27.7	300	ND				
2-Hexanone	31.8	500	ND				
Isopropylbenzene	14.2	100	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	38.6	100	ND				
MTBE	29.0	50.0	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	31.4	500	ND				
Methylene chloride (Dichloromethane, DCM)	33.1	500	ND				
Naphthalene	11.4	100	ND				
n-Propylbenzene	11.4	100	ND				
Styrene	8.00	100	ND				
1,1,1,2-Tetrachloroethane	12.8	100	ND				
1,1,2,2-Tetrachloroethane	32.5	100	ND				
Tetrachloroethene (Tetrachloroethylene)	9.30	100	ND				
Toluene (Methyl benzene)	10.0	20.0	ND				
1,2,3-Trichlorobenzene	12.3	100	ND				
1,2,4-Trichlorobenzene	28.2	100	ND				
1,1,1-Trichloroethane	20.3	100	ND				
1,1,2-Trichloroethane	17.4	100	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061213

Our Lab I.D.			298859				
Client Sample I.D.			B55-2.5				
Date Sampled			06/06/2013				
Date Prepared			06/12/2013				
Preparation Method							
Date Analyzed			06/12/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			10				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	11.5	100	ND				
Trichlorofluoromethane	31.5	100	ND				
1,2,3-Trichloropropane	17.4	100	ND				
1,2,4-Trimethylbenzene	31.9	100	ND				
1,3,5-Trimethylbenzene	12.3	100	ND				
Vinyl acetate	108	500	ND				
Vinyl chloride (Chloroethene)	27.9	300	ND				
o-Xylene	10.0	20.0	ND				
m- & p-Xylenes	18.0	40.0	ND				

Our Lab I.D.			298859				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		101				
Dibromofluoromethane	70-120		104				
Toluene-d8	70-120		100				

QUALITY CONTROL REPORT

QC Batch No: S1B-061213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	99	93	6.3	75-120	15					
Chlorobenzene	93	88	5.5	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	110	103	6.6	75-120	15					
MTBE	84	80	4.9	75-120	15					
Toluene (Methyl benzene)	109	102	6.6	75-120	15					
Trichloroethene (TCE)	98	91	7.4	75-120	15					

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ANALYTICAL RESULTS

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Attn: Jonathan Barkman

Site

12922 Panama Street

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Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-061113

Our Lab I.D.			298852	298853	298855	298856	298857
Client Sample I.D.			B43-5	B43-10	B45-2.5	B45-5	B44-5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	27.8J	ND	ND
Benzene	0.930	2.00	ND	ND	4.00	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	6.68J	8.78J	9.74J	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-061113

Our Lab I.D.			298852	298853	298855	298856	298857
Client Sample I.D.			B43-5	B43-10	B45-2.5	B45-5	B44-5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	2.42J	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	93.2	30.0	238	49.7	55.2
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	14.5	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	1.12J	7.96J	ND	1.88J
Toluene (Methyl benzene)	1.00	2.00	ND	ND	2.22	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-061113

Our Lab I.D.			298852	298853	298855	298856	298857
Client Sample I.D.			B43-5	B43-10	B45-2.5	B45-5	B44-5
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	06/11/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	1.28J	2.32J	123	5.50J	2.32J
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			298852	298853	298855	298856	298857
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		99	92	118	102	98
Dibromofluoromethane	70-120		101	90	102	94	94
Toluene-d8	70-120		102	94	95	102	102

QUALITY CONTROL REPORT

QC Batch No: S1C-061113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	91	<1	75-120	15					
Chlorobenzene	110	111	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	81	83	2.4	75-120	15					
MTBE	89	91	2.2	75-120	15					
Toluene (Methyl benzene)	103	101	2.0	75-120	15					
Trichloroethene (TCE)	86	86	<1	75-120	15					

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ANALYTICAL RESULTS

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12922 Panama Street

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Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-061113

Our Lab I.D.			**298863**				
Client Sample I.D.			B46-5				
Date Sampled			06/06/2013				
Date Prepared			06/11/2013				
Preparation Method							
Date Analyzed			06/11/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	12.7	50.0	ND				
Benzene	0.930	2.00	ND				
Bromobenzene (Phenyl bromide)	3.39	10.0	ND				
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND				
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND				
Bromoform (Tribromomethane)	3.39	50.0	ND				
Bromomethane (Methyl bromide)	2.75	30.0	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND				
n-Butylbenzene	2.05	10.0	ND				
sec-Butylbenzene	3.04	10.0	ND				
tert-Butylbenzene	1.34	10.0	ND				
Carbon disulfide	5.53	10.0	ND				
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND				
Chlorobenzene	0.890	10.0	ND				
Chloroethane	2.15	30.0	ND				
2-Chloroethyl vinyl ether	5.53	50.0	ND				
Chloroform (Trichloromethane)	1.24	10.0	ND				
Chloromethane (Methyl chloride)	1.74	30.0	ND				
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND				
Dibromochloromethane	0.650	10.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND				
Dibromomethane	2.30	10.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-061113

Our Lab I.D.			298863				
Client Sample I.D.			B46-5				
Date Sampled			06/06/2013				
Date Prepared			06/11/2013				
Preparation Method							
Date Analyzed			06/11/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND				
Dichlorodifluoromethane	2.07	30.0	ND				
1,1-Dichloroethane	1.30	10.0	ND				
1,2-Dichloroethane	1.57	10.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND				
cis-1,2-Dichloroethene	2.16	10.0	ND				
trans-1,2-Dichloroethene	2.60	10.0	ND				
1,2-Dichloropropane	0.660	10.0	ND				
1,3-Dichloropropane	0.920	10.0	ND				
2,2-Dichloropropane	1.36	10.0	ND				
1,1-Dichloropropene	1.12	10.0	ND				
cis-1,3-Dichloropropene	0.980	10.0	ND				
trans-1,3-Dichloropropene	0.960	10.0	ND				
Ethylbenzene	1.00	2.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND				
2-Hexanone	3.18	50.0	ND				
Isopropylbenzene	1.42	10.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND				
MTBE	2.90	5.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND				
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND				
Naphthalene	1.14	10.0	ND				
n-Propylbenzene	1.14	10.0	ND				
Styrene	0.800	10.0	ND				
1,1,1,2-Tetrachloroethane	1.28	10.0	ND				
1,1,2,2-Tetrachloroethane	3.25	10.0	ND				
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND				
Toluene (Methyl benzene)	1.00	2.00	ND				
1,2,3-Trichlorobenzene	1.23	10.0	ND				
1,2,4-Trichlorobenzene	2.82	10.0	ND				
1,1,1-Trichloroethane	2.03	10.0	ND				
1,1,2-Trichloroethane	1.74	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-061113

Our Lab I.D.			298863				
Client Sample I.D.			B46-5				
Date Sampled			06/06/2013				
Date Prepared			06/11/2013				
Preparation Method							
Date Analyzed			06/11/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	1.15	10.0	2.20J				
Trichlorofluoromethane	3.15	10.0	ND				
1,2,3-Trichloropropane	1.74	10.0	ND				
1,2,4-Trimethylbenzene	3.19	10.0	ND				
1,3,5-Trimethylbenzene	1.23	10.0	ND				
Vinyl acetate	10.8	50.0	ND				
Vinyl chloride (Chloroethene)	2.79	30.0	ND				
o-Xylene	1.00	2.00	ND				
m- & p-Xylenes	1.80	4.00	ND				

Our Lab I.D.			298863				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		96				
Dibromofluoromethane	70-120		98				
Toluene-d8	70-120		100				

QUALITY CONTROL REPORT

QC Batch No: S1C-061113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	91	<1	75-120	15					
Chlorobenzene	110	111	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	81	83	2.4	75-120	15					
MTBE	89	91	2.2	75-120	15					
Toluene (Methyl benzene)	103	101	2.0	75-120	15					
Trichloroethene (TCE)	86	86	<1	75-120	15					

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ANALYTICAL RESULTS

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12922 Panama Street

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Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

QC Batch No: 061213-1

Our Lab I.D.			298854	298861	298874	298875	
Client Sample I.D.			B43A	B55A	B42A	B37A	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/12/2013	06/12/2013	06/12/2013	06/12/2013	
Preparation Method							
Date Analyzed			06/13/2013	06/13/2013	06/13/2013	06/13/2013	
Matrix			Water	Water	Water	Water	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
AA Metals							
Mercury	0.0001	0.0005	ND	ND	ND	ND	
ICP Metals							
Antimony	0.0040	0.0100	ND	ND	ND	ND	
Arsenic	0.0030	0.0100	0.0185	0.0162	0.0148	0.0177	
Barium	0.0010	0.0100	0.471	0.420	0.497	0.331	
Beryllium	0.0007	0.0050	0.0023J	0.0028J	0.0041J	0.0037J	
Cadmium	0.0007	0.0050	0.0200	0.0166	0.0317	0.0301	
Chromium	0.0010	0.0100	0.0850	0.104	0.0926	0.111	
Cobalt	0.0010	0.0100	0.0896	0.231	0.224	0.371	
Copper	0.0010	0.0100	0.106	0.0855	0.0579	0.0855	
Lead	0.0020	0.0050	ND	ND	ND	ND	
Molybdenum	0.0010	0.0100	0.0012J	0.0054J	0.0036J	0.0111	
Nickel	0.0020	0.0100	0.195	0.242	0.230	0.307	
Selenium	0.0040	0.0100	0.0077J	0.0077J	0.169	0.0164	
Silver	0.0010	0.0100	ND	ND	ND	ND	
Thallium	0.0030	0.0100	ND	ND	ND	ND	
Vanadium	0.0010	0.0100	0.368	0.116	0.142	0.0785	
Zinc	0.0070	0.0100	0.208	0.196	0.157	0.244	

QUALITY CONTROL REPORT

QC Batch No: 061213-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	91	80-120								
ICP Metals										
Antimony	107	80-120								
Arsenic	103	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 061213-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	106	80-120								
Beryllium	113	80-120								
Cadmium	103	80-120								
Chromium	103	80-120								
Cobalt	103	80-120								
Copper	105	80-120								
Lead	105	80-120								
Molybdenum	103	80-120								
Nickel	105	80-120								
Selenium	103	80-120								
Silver	109	80-120								
Thallium	109	80-120								
Vanadium	103	80-120								
Zinc	103	80-120								

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ANALYTICAL RESULTS

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12922 Panama Street

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Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061113

Our Lab I.D.			298854	298861	298874	298875	
Client Sample I.D.			B43A	B55A	B42A	B37A	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Matrix			Water	Water	Water	Water	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	2.52	5.00	ND	ND	ND	ND	
Benzene	0.0970	1.00	0.190J	ND	ND	ND	
Bromobenzene (Phenyl bromide)	0.291	1.00	ND	ND	ND	ND	
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND	ND	ND	ND	
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND	ND	ND	0.260J	
Bromoform (Tribromomethane)	0.284	5.00	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	0.174	3.00	ND	ND	ND	ND	
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND	ND	ND	ND	
n-Butylbenzene	0.363	1.00	ND	ND	ND	ND	
sec-Butylbenzene	0.338	1.00	ND	ND	ND	ND	
tert-Butylbenzene	0.235	1.00	ND	ND	ND	ND	
Carbon disulfide	0.463	1.00	ND	ND	ND	ND	
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND	ND	ND	ND	
Chlorobenzene	0.176	1.00	ND	ND	ND	ND	
Chloroethane	0.328	3.00	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	0.665	5.00	ND	ND	ND	ND	
Chloroform (Trichloromethane)	0.247	1.00	0.580J	ND	ND	0.840J	
Chloromethane (Methyl chloride)	0.174	3.00	ND	ND	ND	ND	
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND	ND	ND	ND	
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND	ND	ND	ND	
Dibromochloromethane	0.300	1.00	ND	ND	ND	ND	
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND	ND	ND	ND	
Dibromomethane	0.316	1.00	ND	ND	ND	ND	
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	4.91	ND	0.630J	ND	
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061113

Our Lab I.D.			298854	298861	298874	298875	
Client Sample I.D.			B43A	B55A	B42A	B37A	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Matrix			Water	Water	Water	Water	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND	ND	ND	ND	
Dichlorodifluoromethane	0.244	3.00	ND	ND	ND	ND	
1,1-Dichloroethane	0.372	1.00	2.43	3.75	2.38	ND	
1,2-Dichloroethane	0.182	1.00	ND	ND	ND	ND	
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND	ND	ND	ND	
cis-1,2-Dichloroethene	0.279	1.00	131	72.9	19.1	ND	
trans-1,2-Dichloroethene	0.176	1.00	1.96	1.44	0.540J	ND	
1,2-Dichloropropane	0.359	1.00	ND	ND	ND	ND	
1,3-Dichloropropane	0.205	1.00	ND	ND	ND	ND	
2,2-Dichloropropane	0.341	1.00	ND	ND	ND	ND	
1,1-Dichloropropene	0.210	1.00	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.122	1.00	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.100	1.00	ND	ND	ND	ND	
Ethylbenzene	0.209	1.00	ND	ND	ND	ND	
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND	ND	ND	ND	
2-Hexanone	0.944	5.00	ND	ND	ND	ND	
Isopropylbenzene	0.291	1.00	ND	ND	ND	ND	
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND	ND	ND	ND	
MTBE	0.240	2.00	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND	ND	ND	ND	
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND	ND	ND	ND	
Naphthalene	0.375	1.00	ND	ND	ND	ND	
n-Propylbenzene	0.254	1.00	ND	ND	ND	ND	
Styrene	0.122	1.00	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	0.141	1.00	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	0.579	1.00	ND	ND	ND	ND	
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	2.39	1.14	15.5	1.13	
Toluene (Methyl benzene)	0.282	1.00	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	0.219	1.00	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	0.451	1.00	ND	ND	ND	ND	
1,1,1-Trichloroethane	0.150	1.00	ND	ND	ND	ND	
1,1,2-Trichloroethane	0.233	1.00	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama St.

ASL Job Number	Submitted	Client
57238	06/06/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-061113

Our Lab I.D.			298854	298861	298874	298875	
Client Sample I.D.			B43A	B55A	B42A	B37A	
Date Sampled			06/06/2013	06/06/2013	06/06/2013	06/06/2013	
Date Prepared			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Matrix			Water	Water	Water	Water	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Trichloroethene (TCE)	0.117	1.00	26.3	23.4	75.9	0.550J	
Trichlorofluoromethane	0.294	1.00	ND	ND	ND	ND	
1,2,3-Trichloropropane	0.303	1.00	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.451	1.00	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	0.219	1.00	ND	ND	ND	ND	
Vinyl acetate	1.62	5.00	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	0.331	3.00	1.10J	ND	ND	ND	
o-Xylene	0.262	1.00	ND	ND	ND	ND	
m- & p-Xylenes	0.476	2.00	ND	ND	ND	ND	

Our Lab I.D.			298854	298861	298874	298875	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		94	94	95	96	
Dibromofluoromethane	70-120		94	96	98	96	
Toluene-d8	70-120		100	102	101	102	

QUALITY CONTROL REPORT

QC Batch No: W1C-061113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	89	88	1.1	75-120	15					
Chlorobenzene	112	113	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	94	92	2.2	75-120	15					
MTBE	96	96	<1	75-120	15					
Toluene (Methyl benzene)	89	88	1.1	75-120	15					
Trichloroethene (TCE)	89	87	2.3	75-120	15					

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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Jonathan Barkman

Number of Pages 9
Date Received 06/05/2013
Date Reported 06/12/2013

Job Number	Ordered	Client
57213	06/05/2013	ALTAEN

Project ID: PANAMA SITE
Project Name:

Site: 12922 Panama St.
Los Angeles, CA

Enclosed are the results of analyses on 4 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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Page ____ Of ____

COC# № 63978 GLOBAL ID ____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57213

CHAIN OF CUSTODY RECORD

Company: Alta Environmental	Report To: jonathan.barbman@altaenviron.com
Address: 3777 Long Beach Blvd	Project Name: Panama Site
Long Beach CA 90807	Site Address: 12922 Panama St
Telephone: 562-495-5777	Invoice To:
Fax: 562 495-5877	Address: Los Angeles CA
Special Instruction:	Project ID:
E-mail:	Project Manager: Mike Cassidy
	P.O.#:

ANALYSIS REQUESTED: 8260B VOCs; 6010 TCC Archive

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
1	298746	GW2-2.5	6/5/13	0800	5	1 Brass Liner 4 VOA	Soil		
2	298747	GW2-5		0835					
3	298748	GW2-10		0845					
4	298749	GW2-15		0855					
	298750	GW2-20		0910					

Collected By: JEB	Date 6/5/13	Time 1000	Relinquished By:	Date	Time
Relinquished By: JEB	Date 6/5/13	Time 1500	Received For Laboratory: Alex	Date 6-5-13	Time 15:00
Received By:	Date	Time	Condition of Sample:		

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama St.
Los Angeles, CA

Page: **2**

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57213	06/05/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 061013-1

Our Lab I.D.		298746	298747	298748	298749	
Client Sample I.D.		GW2-2.5	GW2-5	GW2-10	GW2-15	
Date Sampled		06/05/2013	06/05/2013	06/05/2013	06/05/2013	
Date Prepared		06/10/2013	06/10/2013	06/10/2013	06/10/2013	
Preparation Method						
Date Analyzed		06/11/2013	06/11/2013	06/11/2013	06/11/2013	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
AA Metals						
Mercury	0.0500	ND	ND	ND	0.0517	
ICP Metals						
Antimony	0.500	ND	0.544	ND	1.40	
Arsenic	0.250	12.8	9.40	13.3	8.66	
Barium	0.500	166	134	119	163	
Beryllium	0.500	0.578	0.523	ND	0.608	
Cadmium	0.500	3.00	2.67	2.73	3.13	
Chromium	0.500	37.5	33.2	31.9	44.0	
Cobalt	0.500	8.36	9.72	9.28	12.3	
Copper	0.500	32.1	29.1	24.2	36.2	
Lead	0.250	4.46	4.64	3.63	5.48	
Molybdenum	0.500	3.31	1.44	1.11	2.01	
Nickel	0.500	32.3	29.6	28.9	38.8	
Selenium	0.500	ND	ND	ND	ND	
Silver	0.500	ND	ND	ND	ND	
Thallium	0.500	ND	ND	ND	ND	
Vanadium	0.500	73.0	59.8	48.7	74.5	
Zinc	0.500	65.2	70.7	62.5	100	

QUALITY CONTROL REPORT

QC Batch No: 061013-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	103	80-120								
ICP Metals										
Antimony	94	80-120								
Arsenic	93	80-120								

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57213	06/05/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 061013-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	102	80-120								
Beryllium	103	80-120								
Cadmium	95	80-120								
Chromium	95	80-120								
Cobalt	96	80-120								
Copper	98	80-120								
Lead	93	80-120								
Molybdenum	94	80-120								
Nickel	96	80-120								
Selenium	94	80-120								
Silver	100	80-120								
Thallium	98	80-120								
Vanadium	96	80-120								
Zinc	107	80-120								

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ANALYTICAL RESULTS

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Attn: Jonathan Barkman

Site

12922 Panama St.
Los Angeles, CA

Page: **4**

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57213	06/05/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061013

Our Lab I.D.			**298746**	**298747**			
Client Sample I.D.			GW2-2.5	GW2-5			
Date Sampled			06/05/2013	06/05/2013			
Date Prepared			06/10/2013	06/10/2013			
Preparation Method							
Date Analyzed			06/10/2013	06/10/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	12.7	50.0	ND	ND			
Benzene	0.930	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND			
Bromoform (Tribromomethane)	3.39	50.0	ND	ND			
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND			
n-Butylbenzene	2.05	10.0	ND	ND			
sec-Butylbenzene	3.04	10.0	ND	ND			
tert-Butylbenzene	1.34	10.0	ND	ND			
Carbon disulfide	5.53	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND			
Chlorobenzene	0.890	10.0	ND	ND			
Chloroethane	2.15	30.0	ND	ND			
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND			
Chloroform (Trichloromethane)	1.24	10.0	ND	ND			
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND			
Dibromochloromethane	0.650	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND			
Dibromomethane	2.30	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57213	06/05/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061013

Our Lab I.D.			298746	298747			
Client Sample I.D.			GW2-2.5	GW2-5			
Date Sampled			06/05/2013	06/05/2013			
Date Prepared			06/10/2013	06/10/2013			
Preparation Method							
Date Analyzed			06/10/2013	06/10/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND			
Dichlorodifluoromethane	2.07	30.0	ND	ND			
1,1-Dichloroethane	1.30	10.0	ND	ND			
1,2-Dichloroethane	1.57	10.0	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND			
cis-1,2-Dichloroethene	2.16	10.0	ND	ND			
trans-1,2-Dichloroethene	2.60	10.0	ND	ND			
1,2-Dichloropropane	0.660	10.0	ND	ND			
1,3-Dichloropropane	0.920	10.0	ND	ND			
2,2-Dichloropropane	1.36	10.0	ND	ND			
1,1-Dichloropropene	1.12	10.0	ND	ND			
cis-1,3-Dichloropropene	0.980	10.0	ND	ND			
trans-1,3-Dichloropropene	0.960	10.0	ND	ND			
Ethylbenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND			
2-Hexanone	3.18	50.0	ND	ND			
Isopropylbenzene	1.42	10.0	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND			
MTBE	2.90	5.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND			
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND			
Naphthalene	1.14	10.0	ND	ND			
n-Propylbenzene	1.14	10.0	ND	ND			
Styrene	0.800	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND			
Toluene (Methyl benzene)	1.00	2.00	ND	ND			
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND			
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND			
1,1,1-Trichloroethane	2.03	10.0	ND	ND			
1,1,2-Trichloroethane	1.74	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57213	06/05/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-061013

Our Lab I.D.			298746	298747			
Client Sample I.D.			GW2-2.5	GW2-5			
Date Sampled			06/05/2013	06/05/2013			
Date Prepared			06/10/2013	06/10/2013			
Preparation Method							
Date Analyzed			06/10/2013	06/10/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	1.15	10.0	ND	ND			
Trichlorofluoromethane	3.15	10.0	ND	ND			
1,2,3-Trichloropropane	1.74	10.0	ND	ND			
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND			
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND			
Vinyl acetate	10.8	50.0	ND	ND			
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND			
o-Xylene	1.00	2.00	ND	ND			
m- & p-Xylenes	1.80	4.00	ND	ND			

Our Lab I.D.			298746	298747			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		96	96			
Dibromofluoromethane	70-120		106	98			
Toluene-d8	70-120		90	91			

QUALITY CONTROL REPORT

QC Batch No: S1B-061013

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	80	81	1.2	75-120	15					
Chlorobenzene	83	83	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	81	84	3.6	75-120	15					
MTBE	90	93	3.3	75-120	15					
Toluene (Methyl benzene)	94	95	1.1	75-120	15					
Trichloroethene (TCE)	81	82	1.2	75-120	15					

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ANALYTICAL RESULTS

Ordered By

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Long Beach, CA 90807-

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Attn: Jonathan Barkman

Site

12922 Panama St.
Los Angeles, CA

Page: **7**

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57213	06/05/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298748	298749			
Client Sample I.D.			GW2-10	GW2-15			
Date Sampled			06/05/2013	06/05/2013			
Date Prepared			06/11/2013	06/11/2013			
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	12.7	50.0	ND	ND			
Benzene	0.930	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND			
Bromoform (Tribromomethane)	3.39	50.0	ND	ND			
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND			
n-Butylbenzene	2.05	10.0	ND	ND			
sec-Butylbenzene	3.04	10.0	ND	ND			
tert-Butylbenzene	1.34	10.0	ND	ND			
Carbon disulfide	5.53	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND			
Chlorobenzene	0.890	10.0	ND	ND			
Chloroethane	2.15	30.0	ND	ND			
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND			
Chloroform (Trichloromethane)	1.24	10.0	ND	ND			
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND			
Dibromochloromethane	0.650	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND			
Dibromomethane	2.30	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57213	06/05/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298748	298749			
Client Sample I.D.			GW2-10	GW2-15			
Date Sampled			06/05/2013	06/05/2013			
Date Prepared			06/11/2013	06/11/2013			
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND			
Dichlorodifluoromethane	2.07	30.0	ND	ND			
1,1-Dichloroethane	1.30	10.0	ND	ND			
1,2-Dichloroethane	1.57	10.0	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND			
cis-1,2-Dichloroethene	2.16	10.0	ND	ND			
trans-1,2-Dichloroethene	2.60	10.0	ND	ND			
1,2-Dichloropropane	0.660	10.0	ND	ND			
1,3-Dichloropropane	0.920	10.0	ND	ND			
2,2-Dichloropropane	1.36	10.0	ND	ND			
1,1-Dichloropropene	1.12	10.0	ND	ND			
cis-1,3-Dichloropropene	0.980	10.0	ND	ND			
trans-1,3-Dichloropropene	0.960	10.0	ND	ND			
Ethylbenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND			
2-Hexanone	3.18	50.0	ND	ND			
Isopropylbenzene	1.42	10.0	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND			
MTBE	2.90	5.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND			
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND			
Naphthalene	1.14	10.0	ND	ND			
n-Propylbenzene	1.14	10.0	ND	ND			
Styrene	0.800	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	2.28J			
Toluene (Methyl benzene)	1.00	2.00	ND	ND			
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND			
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND			
1,1,1-Trichloroethane	2.03	10.0	ND	ND			
1,1,2-Trichloroethane	1.74	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57213	06/05/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298748	298749			
Client Sample I.D.			GW2-10	GW2-15			
Date Sampled			06/05/2013	06/05/2013			
Date Prepared			06/11/2013	06/11/2013			
Preparation Method							
Date Analyzed			06/11/2013	06/11/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	1.15	10.0	ND	ND			
Trichlorofluoromethane	3.15	10.0	ND	ND			
1,2,3-Trichloropropane	1.74	10.0	ND	ND			
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND			
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND			
Vinyl acetate	10.8	50.0	ND	ND			
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND			
o-Xylene	1.00	2.00	ND	ND			
m- & p-Xylenes	1.80	4.00	ND	ND			

Our Lab I.D.			298748	298749			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		96	98			
Dibromofluoromethane	70-120		100	104			
Toluene-d8	70-120		92	93			

QUALITY CONTROL REPORT

QC Batch No: S2B-061013

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	82	84	2.4	75-120	15					
Chlorobenzene	84	86	2.4	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	80	82	2.5	75-120	15					
MTBE	101	104	2.9	75-120	15					
Toluene (Methyl benzene)	95	96	1.0	75-120	15					
Trichloroethene (TCE)	81	83	2.4	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Jonathan Barkman

Number of Pages 14
Date Received 06/04/2013
Date Reported 06/11/2013

Job Number	Ordered	Client
57192	06/04/2013	ALTAEN

Project ID: PANAMA SITE
Project Name:

Site: 12922 Panama Street
Los Angeles, CA

Enclosed are the results of analyses on 8 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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COC# Nº 63976 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57192

Company: Alta Environmental		Report To: jonathan.barkman@altaenvironmental.com	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd Long Beach CA 90807	Project Name: Panama Site Site Address: 17922 Panama Street Los Angeles CA	Address:	
Telephone: 562-495-5777 Fax: 562-495-5877		Invoice To: Address:	
Special Instruction:	Project ID:		
E-mail:	Project Manager: Mike Cassidy	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH w/ silica gel	VOCs 8260B	Remarks
1	298690	GW1-2.5	6/4/13	0815	5	4 VOA / Ring	Soil		X	X	
2	298691	GW1-5.0		0830					X	X	
3	298692	GW1-10		0840					X	X	
4	298693	GW1-14		0850					X	X	
5	298694	GW3-2.5		1110					X	X	
6	298695	GW3-5.0		1115					X	X	
7	298696	GW3-10		1125					X	X	
8	298697	GW3-15		1135					X	X	

CHAIN OF CUSTODY RECORD

Collected By:		Date 6/4/13	Time 1250	Relinquished By:	Date / Time
Relinquished By:		Date 6/4/13	Time 16:20	Received For Laboratory: Alex	Date 6-4-13 Time 16:20
Received By:		Date	Time	Condition of Sample:	

TAT ☑ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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ANALYTICAL RESULTS

Ordered By

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Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

Page: **2**

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 060713-1

Our Lab I.D.		298690	298691	298692	298693	298694
Client Sample I.D.		GW1-2.5	GW1-5.0	GW1-10	GW1-14	GW3-2.5
Date Sampled		06/04/2013	06/04/2013	06/04/2013	06/04/2013	06/04/2013
Date Prepared		06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Preparation Method						
Date Analyzed		06/10/2013	06/10/2013	06/10/2013	06/10/2013	06/10/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	0.172	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	0.628	0.597	ND	1.00	ND
Arsenic	0.250	4.37	10.4	7.09	6.07	4.06
Barium	0.500	115	153	85.7	60.1	103
Beryllium	0.500	ND	0.577	ND	ND	ND
Cadmium	0.500	2.38	2.67	1.91	1.62	1.37
Chromium	0.500	33.1	35.5	43.5	21.7	20.7
Cobalt	0.500	8.54	8.53	6.28	5.54	5.76
Copper	0.500	191	30.4	23.0	18.6	27.1
Lead	0.250	31.7	4.15	2.26	3.09	4.99
Molybdenum	0.500	ND	2.60	ND	1.31	0.885
Nickel	0.500	23.3	3.08	26.2	20.4	17.5
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	42.1	61.3	53.0	38.7	35.1
Zinc	0.500	94.6	61.9	54.7	48.6	38.6

QUALITY CONTROL REPORT

QC Batch No: 060713-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	93	80-120								
ICP Metals										
Antimony	101	80-120								
Arsenic	98	80-120								

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 060713-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	103	80-120								
Beryllium	106	80-120								
Cadmium	98	80-120								
Chromium	98	80-120								
Cobalt	98	80-120								
Copper	101	80-120								
Lead	99	80-120								
Molybdenum	98	80-120								
Nickel	99	80-120								
Selenium	98	80-120								
Silver	101	80-120								
Thallium	100	80-120								
Vanadium	99	80-120								
Zinc	106	80-120								

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ANALYTICAL RESULTS

Ordered By

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Site

12922 Panama Street
Los Angeles, CA

Page: **4**

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 060713-1

Our Lab I.D.		298695	298696	298697		
Client Sample I.D.		GW3-5	GW3-10	GW3-15		
Date Sampled		06/04/2013	06/04/2013	06/04/2013		
Date Prepared		06/07/2013	06/07/2013	06/07/2013		
Preparation Method						
Date Analyzed		06/10/2013	06/10/2013	06/10/2013		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	**PQL**	**Results**	**Results**	**Results**		
AA Metals						
Mercury	0.0500	ND	ND	ND		
ICP Metals						
Antimony	0.500	ND	ND	1.19		
Arsenic	0.250	5.05	5.26	6.40		
Barium	0.500	74.4	98.8	70.4		
Beryllium	0.500	ND	ND	ND		
Cadmium	0.500	2.26	1.54	1.58		
Chromium	0.500	22.1	21.7	21.2		
Cobalt	0.500	6.27	5.97	6.41		
Copper	0.500	96.0	161	16.9		
Lead	0.250	3.88	7.31	2.78		
Molybdenum	0.500	1.50	0.682	0.621		
Nickel	0.500	22.3	19.8	20.7		
Selenium	0.500	ND	ND	ND		
Silver	0.500	ND	ND	ND		
Thallium	0.500	ND	ND	ND		
Vanadium	0.500	42.8	36.0	37.4		
Zinc	0.500	82.5	53.0	39.3		

QUALITY CONTROL REPORT

QC Batch No: 060713-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	93	80-120								
ICP Metals										
Antimony	101	80-120								
Arsenic	98	80-120								

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 060713-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	103	80-120								
Beryllium	106	80-120								
Cadmium	98	80-120								
Chromium	98	80-120								
Cobalt	98	80-120								
Copper	101	80-120								
Lead	99	80-120								
Molybdenum	98	80-120								
Nickel	99	80-120								
Selenium	98	80-120								
Silver	101	80-120								
Thallium	100	80-120								
Vanadium	99	80-120								
Zinc	106	80-120								

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ANALYTICAL RESULTS

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Site

12922 Panama Street
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Page: 6

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298690	298691	298692	298693	298695
Client Sample I.D.			GW1-2.5	GW1-5.0	GW1-10	GW1-14	GW3-5
Date Sampled			06/04/2013	06/04/2013	06/04/2013	06/04/2013	06/04/2013
Date Prepared			06/10/2013	06/10/2013	06/10/2013	06/10/2013	06/10/2013
Preparation Method							
Date Analyzed			06/10/2013	06/10/2013	06/10/2013	06/10/2013	06/10/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	109	ND	ND	ND	30.0J
Benzene	0.930	2.00	3.24	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298690	298691	298692	298693	298695
Client Sample I.D.			GW1-2.5	GW1-5.0	GW1-10	GW1-14	GW3-5
Date Sampled			06/04/2013	06/04/2013	06/04/2013	06/04/2013	06/04/2013
Date Prepared			06/10/2013	06/10/2013	06/10/2013	06/10/2013	06/10/2013
Preparation Method							
Date Analyzed			06/10/2013	06/10/2013	06/10/2013	06/10/2013	06/10/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	120	10.5	2.18J	12.9	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	31.4	1.14J	2.32J	2.76J	56.4
Toluene (Methyl benzene)	1.00	2.00	2.28	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298690	298691	298692	298693	298695
Client Sample I.D.			GW1-2.5	GW1-5.0	GW1-10	GW1-14	GW3-5
Date Sampled			06/04/2013	06/04/2013	06/04/2013	06/04/2013	06/04/2013
Date Prepared			06/10/2013	06/10/2013	06/10/2013	06/10/2013	06/10/2013
Preparation Method							
Date Analyzed			06/10/2013	06/10/2013	06/10/2013	06/10/2013	06/10/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	31.6	1.78J	1.88J	4.66J	1.36J
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			298690	298691	298692	298693	298695
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		112	96	96	96	98
Dibromofluoromethane	70-120		104	101	100	101	101
Toluene-d8	70-120		89	91	91	91	92

QUALITY CONTROL REPORT

QC Batch No: S2B-061013

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	80	81	1.2	75-120	15					
Chlorobenzene	83	83	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	81	84	3.6	75-120	15					
MTBE	90	93	3.3	75-120	15					
Toluene (Methyl benzene)	94	95	1.1	75-120	15					
Trichloroethene (TCE)	81	82	1.2	75-120	15					

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ANALYTICAL RESULTS

Ordered By

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Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

Page: **9**

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298696	298697			
Client Sample I.D.			GW3-10	GW3-15			
Date Sampled			06/04/2013	06/04/2013			
Date Prepared			06/10/2013	06/10/2013			
Preparation Method							
Date Analyzed			06/10/2013	06/10/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	12.7	50.0	17.8J	ND			
Benzene	0.930	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND			
Bromoform (Tribromomethane)	3.39	50.0	ND	ND			
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND			
n-Butylbenzene	2.05	10.0	ND	ND			
sec-Butylbenzene	3.04	10.0	ND	ND			
tert-Butylbenzene	1.34	10.0	ND	ND			
Carbon disulfide	5.53	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND			
Chlorobenzene	0.890	10.0	ND	ND			
Chloroethane	2.15	30.0	ND	ND			
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND			
Chloroform (Trichloromethane)	1.24	10.0	ND	ND			
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND			
Dibromochloromethane	0.650	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND			
Dibromomethane	2.30	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND			

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Environmental Testing Services
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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298696	298697			
Client Sample I.D.			GW3-10	GW3-15			
Date Sampled			06/04/2013	06/04/2013			
Date Prepared			06/10/2013	06/10/2013			
Preparation Method							
Date Analyzed			06/10/2013	06/10/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND			
Dichlorodifluoromethane	2.07	30.0	ND	ND			
1,1-Dichloroethane	1.30	10.0	ND	ND			
1,2-Dichloroethane	1.57	10.0	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND			
cis-1,2-Dichloroethene	2.16	10.0	ND	ND			
trans-1,2-Dichloroethene	2.60	10.0	ND	ND			
1,2-Dichloropropane	0.660	10.0	ND	ND			
1,3-Dichloropropane	0.920	10.0	ND	ND			
2,2-Dichloropropane	1.36	10.0	ND	ND			
1,1-Dichloropropene	1.12	10.0	ND	ND			
cis-1,3-Dichloropropene	0.980	10.0	ND	ND			
trans-1,3-Dichloropropene	0.960	10.0	ND	ND			
Ethylbenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND			
2-Hexanone	3.18	50.0	ND	ND			
Isopropylbenzene	1.42	10.0	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND			
MTBE	2.90	5.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND			
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND			
Naphthalene	1.14	10.0	ND	ND			
n-Propylbenzene	1.14	10.0	ND	ND			
Styrene	0.800	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	324	71.2			
Toluene (Methyl benzene)	1.00	2.00	ND	ND			
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND			
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND			
1,1,1-Trichloroethane	2.03	10.0	ND	ND			
1,1,2-Trichloroethane	1.74	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298696	298697			
Client Sample I.D.			GW3-10	GW3-15			
Date Sampled			06/04/2013	06/04/2013			
Date Prepared			06/10/2013	06/10/2013			
Preparation Method							
Date Analyzed			06/10/2013	06/10/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	1.15	10.0	5.20J	1.60J			
Trichlorofluoromethane	3.15	10.0	ND	ND			
1,2,3-Trichloropropane	1.74	10.0	ND	ND			
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND			
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND			
Vinyl acetate	10.8	50.0	ND	ND			
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND			
o-Xylene	1.00	2.00	ND	ND			
m- & p-Xylenes	1.80	4.00	ND	ND			

Our Lab I.D.			298696	298697			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		100	95			
Dibromofluoromethane	70-120		106	99			
Toluene-d8	70-120		92	91			

QUALITY CONTROL REPORT

QC Batch No: S2B-061013

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	80	81	1.2	75-120	15					
Chlorobenzene	83	83	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	81	84	3.6	75-120	15					
MTBE	90	93	3.3	75-120	15					
Toluene (Methyl benzene)	94	95	1.1	75-120	15					
Trichloroethene (TCE)	81	82	1.2	75-120	15					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12922 Panama Street
Los Angeles, CA

Page: **12**

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			**298694**				
Client Sample I.D.			GW3-2.5				
Date Sampled			06/04/2013				
Date Prepared			06/11/2013				
Preparation Method							
Date Analyzed			06/11/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	63.5	250	ND				
Benzene	4.65	10.0	ND				
Bromobenzene (Phenyl bromide)	17.0	50.0	ND				
Bromochloromethane (Chlorobromomethane)	1.90	50.0	ND				
Bromodichloromethane (Dichlorobromomethane)	3.15	50.0	ND				
Bromoform (Tribromomethane)	17.0	250	ND				
Bromomethane (Methyl bromide)	13.8	150	ND				
2-Butanone (MEK, Methyl ethyl ketone)	29.2	250	ND				
n-Butylbenzene	10.3	50.0	ND				
sec-Butylbenzene	15.2	50.0	ND				
tert-Butylbenzene	6.70	50.0	ND				
Carbon disulfide	27.7	50.0	ND				
Carbon tetrachloride (Tetrachloromethane)	12.4	50.0	ND				
Chlorobenzene	4.45	50.0	ND				
Chloroethane	10.8	150	ND				
2-Chloroethyl vinyl ether	27.7	250	ND				
Chloroform (Trichloromethane)	6.20	50.0	ND				
Chloromethane (Methyl chloride)	8.70	150	ND				
4-Chlorotoluene (p-Chlorotoluene)	6.70	50.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	11.8	50.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	13.5	250	ND				
Dibromochloromethane	3.25	50.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	13.8	50.0	ND				
Dibromomethane	11.5	50.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	5.15	50.0	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	8.25	50.0	ND				

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298694				
Client Sample I.D.			GW3-2.5				
Date Sampled			06/04/2013				
Date Prepared			06/11/2013				
Preparation Method							
Date Analyzed			06/11/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	11.2	50.0	ND				
Dichlorodifluoromethane	10.4	150	ND				
1,1-Dichloroethane	6.50	50.0	ND				
1,2-Dichloroethane	7.85	50.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	8.00	50.0	ND				
cis-1,2-Dichloroethene	10.8	50.0	ND				
trans-1,2-Dichloroethene	13.0	50.0	ND				
1,2-Dichloropropane	3.30	50.0	ND				
1,3-Dichloropropane	4.60	50.0	ND				
2,2-Dichloropropane	6.80	50.0	ND				
1,1-Dichloropropene	5.60	50.0	ND				
cis-1,3-Dichloropropene	4.90	50.0	ND				
trans-1,3-Dichloropropene	4.80	50.0	ND				
Ethylbenzene	5.00	10.0	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	13.9	150	ND				
2-Hexanone	15.9	250	ND				
Isopropylbenzene	7.10	50.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	19.3	50.0	ND				
MTBE	14.5	25.0	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	15.7	250	ND				
Methylene chloride (Dichloromethane, DCM)	16.6	250	ND				
Naphthalene	5.70	50.0	ND				
n-Propylbenzene	5.70	50.0	ND				
Styrene	4.00	50.0	ND				
1,1,1,2-Tetrachloroethane	6.40	50.0	ND				
1,1,2,2-Tetrachloroethane	16.3	50.0	ND				
Tetrachloroethene (Tetrachloroethylene)	4.65	50.0	2960				
Toluene (Methyl benzene)	5.00	10.0	ND				
1,2,3-Trichlorobenzene	6.15	50.0	ND				
1,2,4-Trichlorobenzene	14.1	50.0	ND				
1,1,1-Trichloroethane	10.2	50.0	ND				
1,1,2-Trichloroethane	8.70	50.0	ND				

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ANALYTICAL RESULTS

Project ID: PANAMA SITE

ASL Job Number	Submitted	Client
57192	06/04/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2B-061013

Our Lab I.D.			298694
Client Sample I.D.			GW3-2.5
Date Sampled			06/04/2013
Date Prepared			06/11/2013
Preparation Method			
Date Analyzed			06/11/2013
Matrix			Soil
Units			ug/kg
Dilution Factor			5
Analytes	**MDL**	**PQL**	**Results**
Trichloroethene (TCE)	5.75	50.0	56.0
Trichlorofluoromethane	15.8	50.0	ND
1,2,3-Trichloropropane	8.70	50.0	ND
1,2,4-Trimethylbenzene	16.0	50.0	ND
1,3,5-Trimethylbenzene	6.15	50.0	ND
Vinyl acetate	54.0	250	ND
Vinyl chloride (Chloroethene)	14.0	150	ND
o-Xylene	5.00	10.0	ND
m- & p-Xylenes	9.00	20.0	ND

Our Lab I.D.			298694
Surrogates	**% Rec.Limit**		**% Rec.**
Surrogate Percent Recovery			
Bromofluorobenzene	70-120		92
Dibromofluoromethane	70-120		100
Toluene-d8	70-120		96

QUALITY CONTROL REPORT

QC Batch No: S2B-061013

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	80	81	1.2	75-120	15
Chlorobenzene	83	83	<1	75-120	15
1,1-Dichloroethene (1,1-Dichloroethylene)	81	84	3.6	75-120	15
MTBE	90	93	3.3	75-120	15
Toluene (Methyl benzene)	94	95	1.1	75-120	15
Trichloroethene (TCE)	81	82	1.2	75-120	15

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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn J. Barkman

Number of Pages 19
Date Received 05/31/2013
Date Reported 06/07/2013

Job Number	Ordered	Client
57163	05/31/2013	ALTAEN

Project ID: MCGU-13-6182
Project Name: Panama Site
Site: 17922 Panama St.
Los Angeles, CA

Enclosed are the results of analyses on 15 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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COC# Nº 63968 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57163

Company: Alta Environmental		Report To: Jonathan.barkman@altaenviron.com	ANALYSIS REQUESTED
Address: 5777 Long Beach Blvd	Project Name: Panama Site	Address:	8260B VOCs; TZZ Methods 6010B; Archive
Long Beach CA 90807	Site Address: 17922 Panama St	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877	Los Angeles CA	Address:	
Special Instruction:	Project ID: MCGV-13-6182		
E-mail:	Project Manager: M. Cassidy	P.O.#: MCGV-13-6182	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Remarks
1	298532	B61-2.5	5/31/13	0745	5	Ring (1) VOAs (4)	Soil		
2	298533	B61-5.0		0815					
		B61-10.0		0830					
3	298534	B47-2.5		0845					
4	298535	B47-5.0		0900					
		B47-10.0		0915					
5	298536	B48-2.5		0930					
6	298537	B48-5		0945					
		B48-10		1000					
7	298538	B49-2.5		1015					

Collected By:	Date 5/31/2013	Time 1430	Relinquished By:	Date	Time
Relinquished By:	Date 5/31/2013	Time 14:30	Received For Laboratory	Date 5-31-13	Time 14:30
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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COC# № 63969 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57163

Company: Alta Environmental		Report To: Jonathan Barkman @ Alta Environ. com	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd	Project Name: Panama Site	Address:	
Long Beach CA	Site Address: 12922 Panama St	Invoice To:	
Telephone: 562-495-5777	Los Angeles CA	Address:	
Fax: 562-495-5877	Project ID: MCGV-13-6182		
Special Instruction:	Project Manager: M. Cassidy	P.O.#: MCGV-13-6182	
E-mail:			

| ITEM | LAB USE ONLY Lab ID | SAMPLE DESCRIPTION Sample ID | Date | Time | Container(s) # | Container(s) Type | Matrix | Preservation | | |

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CHAIN OF CUSTODY RECORD

COC# Nº 63985 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 57163

Company: Alta Environmental		Report To: jonathan.backman@altaenvironmental.com	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd	Project Name: Panama Site	Address:	
Long Beach CA	Site Address: 12922 Panama St	Invoice To:	
Telephone: 562-495-5777	Los Angeles CA	Address:	
Fax: 562-495-5877	Project ID: MCGV-13-6182		
Special Instruction:			
E-mail:	Project Manager: M. Cassidy	P.O.#: MCGV-13-6182	

| ITEM | LAB USE ONLY | SAMPLE DESCRIPTION | | | Container(s) | | |

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: J. Barkman

Site

17922 Panama St.
Los Angeles, CA

Page: **2**

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

Our Lab I.D.		298532	298533	298534	298535	298536
Client Sample I.D.		B61-2.5	B61-5.0	B47-2.5	B47-5.0	B48-2.5
Date Sampled		05/31/2013	05/31/2013	05/31/2013	05/31/2013	05/31/2013
Date Prepared		06/05/2013	06/05/2013	06/05/2013	06/05/2013	06/05/2013
Preparation Method						
Date Analyzed		06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	0.0714
ICP Metals						
Antimony	0.500	ND	0.761	ND	ND	ND
Arsenic	0.250	1.39	2.94	1.42	7.48	1.40
Barium	0.500	68.4	78.1	89.1	95.5	89.8
Beryllium	0.500	ND	ND	ND	ND	ND
Cadmium	0.500	1.05	1.27	1.47	1.69	1.42
Chromium	0.500	16.8	19.8	22.2	26.9	21.6
Cobalt	0.500	4.01	5.22	6.23	6.94	5.61
Copper	0.500	19.6	20.6	114	24.3	94.4
Lead	0.250	2.94	3.81	9.05	3.77	8.71
Molybdenum	0.500	ND	ND	1.68	2.52	1.54
Nickel	0.500	10.8	14.2	14.0	22.2	13.0
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	22.8	29.7	31.4	51.2	32.0
Zinc	0.500	40.1	38.4	65.5	54.0	58.7

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	102	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	91	80-120								
Barium	95	80-120								
Beryllium	100	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Cadmium	91	80-120								
Chromium	93	80-120								
Cobalt	92	80-120								
Copper	96	80-120								
Lead	94	80-120								
Molybdenum	92	80-120								
Nickel	93	80-120								
Selenium	91	80-120								
Silver	93	80-120								
Thallium	94	80-120								
Vanadium	94	80-120								
Zinc	106	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: J. Barkman

Site

17922 Panama St.
Los Angeles, CA

Page: **4**

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

Our Lab I.D.		298537	298538	298539	298540	298541
Client Sample I.D.		B48-5.0	B49-2.5	B49-5.0	B49-10.0	B62-2.5
Date Sampled		05/31/2013	05/31/2013	05/31/2013	05/31/2013	05/31/2013
Date Prepared		06/05/2013	06/05/2013	06/05/2013	06/05/2013	06/05/2013
Preparation Method						
Date Analyzed		06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	2.63	1.75	3.06	5.12	6.40
Barium	0.500	82.1	94.4	70.6	75.8	96.6
Beryllium	0.500	ND	ND	ND	ND	ND
Cadmium	0.500	1.55	1.56	1.56	1.58	1.69
Chromium	0.500	23.4	23.2	24.9	21.0	24.2
Cobalt	0.500	7.52	5.75	5.65	4.44	9.62
Copper	0.500	18.6	125	25.0	20.2	26.8
Lead	0.250	3.24	9.11	3.83	2.90	17.6
Molybdenum	0.500	2.51	1.54	0.936	0.902	2.25
Nickel	0.500	19.9	15.4	19.5	18.1	17.9
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	34.2	30.7	39.4	36.6	38.4
Zinc	0.500	41.3	74.0	49.0	44.0	61.7

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	102	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	91	80-120								
Barium	95	80-120								
Beryllium	100	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Cadmium	**91**	**80-120**								
Chromium	**93**	**80-120**								
Cobalt	**92**	**80-120**								
Copper	**96**	**80-120**								
Lead	**94**	**80-120**								
Molybdenum	**92**	**80-120**								
Nickel	**93**	**80-120**								
Selenium	**91**	**80-120**								
Silver	**93**	**80-120**								
Thallium	**94**	**80-120**								
Vanadium	**94**	**80-120**								
Zinc	**106**	**80-120**								

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ANALYTICAL RESULTS

Ordered By

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Site

17922 Panama St.
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

Our Lab I.D.		298542	298543	298544	298545	298546
Client Sample I.D.		B62-5.0	B54-2.5	B54-5.0	B56-2.5	B56-5.0
Date Sampled		05/31/2013	05/31/2013	05/31/2013	05/31/2013	05/31/2013
Date Prepared		06/05/2013	06/05/2013	06/05/2013	06/05/2013	06/05/2013
Preparation Method						
Date Analyzed		06/07/2013	06/07/2013	06/07/2013	06/07/2013	06/07/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	2.68	1.13	7.05	2.83	4.94
Barium	0.500	71.7	95.8	107	108	129
Beryllium	0.500	ND	ND	ND	ND	ND
Cadmium	0.500	1.38	1.77	1.90	2.03	1.81
Chromium	0.500	19.9	29.0	29.4	31.9	27.4
Cobalt	0.500	4.87	7.58	6.58	8.01	8.19
Copper	0.500	20.2	125	24.9	154	24.9
Lead	0.250	4.00	8.60	3.49	11.2	3.68
Molybdenum	0.500	0.534	ND	3.73	ND	2.50
Nickel	0.500	15.1	19.6	24.8	21.4	23.5
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	29.4	35.7	50.9	14.7	42.1
Zinc	0.500	39.4	76.5	53.5	82.9	53.6

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	102	80-120								
ICP Metals										
Antimony	93	80-120								
Arsenic	91	80-120								
Barium	95	80-120								
Beryllium	100	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Cadmium	**91**	**80-120**								
Chromium	**93**	**80-120**								
Cobalt	**92**	**80-120**								
Copper	**96**	**80-120**								
Lead	**94**	**80-120**								
Molybdenum	**92**	**80-120**								
Nickel	**93**	**80-120**								
Selenium	**91**	**80-120**								
Silver	**93**	**80-120**								
Thallium	**94**	**80-120**								
Vanadium	**94**	**80-120**								
Zinc	**106**	**80-120**								

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ANALYTICAL RESULTS

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Site

12922 Panama St.
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060513-1

Our Lab I.D.			298532	298533	298534	298535	298537
Client Sample I.D.			B61-2.5	B61-5.0	B47-2.5	B47-5.0	B48-5.0
Date Sampled			05/31/2013	05/31/2013	05/31/2013	05/31/2013	05/31/2013
Date Prepared			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	26.0J	18.9J	36.0J	ND	ND
Benzene	0.930	2.00	1.86J	1.72J	5.50	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060513-1

Our Lab I.D.			298532	298533	298534	298535	298537
Client Sample I.D.			B61-2.5	B61-5.0	B47-2.5	B47-5.0	B48-5.0
Date Sampled			05/31/2013	05/31/2013	05/31/2013	05/31/2013	05/31/2013
Date Prepared			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	59.2	ND	4.94J
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	3.06J	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	33.9	34.0	77.6	3.10J	22.4
Toluene (Methyl benzene)	1.00	2.00	1.66J	ND	4.08	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060513-1

Our Lab I.D.			298532	298533	298534	298535	298537
Client Sample I.D.			B61-2.5	B61-5.0	B47-2.5	B47-5.0	B48-5.0
Date Sampled			05/31/2013	05/31/2013	05/31/2013	05/31/2013	05/31/2013
Date Prepared			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	1.80J	330	15.1	8.46J
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			298532	298533	298534	298535	298537
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		109	112	119	108	109
Dibromofluoromethane	70-120		113	104	118	111	109
Toluene-d8	70-120		100	98	95	99	99

QUALITY CONTROL REPORT

QC Batch No: 060513-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	89	4.4	75-120	15					
Chlorobenzene	86	85	1.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	93	88	5.5	75-120	15					
MTBE	86	93	7.8	75-120	15					
Toluene (Methyl benzene)	99	97	2.0	75-120	15					
Trichloroethene (TCE)	89	87	2.3	75-120	15					

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ANALYTICAL RESULTS

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Site

12922 Panama St.
Los Angeles, CA

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Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060513-1

Our Lab I.D.			298538	298539	298541	298542	298543
Client Sample I.D.			B49-2.5	B49-5.0	B62-2.5	B62-5.0	B54-2.5
Date Sampled			05/31/2013	05/31/2013	05/31/2013	05/31/2013	05/31/2013
Date Prepared			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	31.8J	28.0J	24.5J	ND	68.0
Benzene	0.930	2.00	4.18	1.12J	2.54	ND	2.78
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	1.28J
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	23.1
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060513-1

Our Lab I.D.			298538	298539	298541	298542	298543
Client Sample I.D.			B49-2.5	B49-5.0	B62-2.5	B62-5.0	B54-2.5
Date Sampled			05/31/2013	05/31/2013	05/31/2013	05/31/2013	05/31/2013
Date Prepared			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	8.20J
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	204
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	10.6
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	135	47.3	71.8	13.3	107
Toluene (Methyl benzene)	1.00	2.00	3.06	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060513-1

Our Lab I.D.			298538	298539	298541	298542	298543
Client Sample I.D.			B49-2.5	B49-5.0	B62-2.5	B62-5.0	B54-2.5
Date Sampled			05/31/2013	05/31/2013	05/31/2013	05/31/2013	05/31/2013
Date Prepared			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013	06/06/2013	06/06/2013	06/06/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	14.1	6.22J	22.0	4.68J	107
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	2.24
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			298538	298539	298541	298542	298543
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		116	113	111	110	118
Dibromofluoromethane	70-120		112	111	114	106	11
Toluene-d8	70-120		98	99	97	98	98

QUALITY CONTROL REPORT

QC Batch No: 060513-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	89	4.4	75-120	15					
Chlorobenzene	86	85	1.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	93	88	5.5	75-120	15					
MTBE	86	93	7.8	75-120	15					
Toluene (Methyl benzene)	99	97	2.0	75-120	15					
Trichloroethene (TCE)	89	87	2.3	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: J. Barkman

Site

12922 Panama St.
Los Angeles, CA

Page: **14**

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060513-1

Our Lab I.D.			298544	298545	298546		
Client Sample I.D.			B54-5.0	B56-2.5	B56-5.0		
Date Sampled			05/31/2013	05/31/2013	05/31/2013		
Date Prepared			06/06/2013	06/06/2013	06/06/2013		
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013	06/06/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	12.7	50.0	ND	66.8	19.0J		
Benzene	0.930	2.00	ND	1.94J	ND		
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND		
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND		
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND		
n-Butylbenzene	2.05	10.0	ND	ND	ND		
sec-Butylbenzene	3.04	10.0	ND	ND	ND		
tert-Butylbenzene	1.34	10.0	ND	ND	ND		
Carbon disulfide	5.53	10.0	ND	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND		
Chlorobenzene	0.890	10.0	ND	ND	ND		
Chloroethane	2.15	30.0	ND	ND	ND		
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND		
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND		
Dibromochloromethane	0.650	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND		
Dibromomethane	2.30	10.0	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	10.0	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060513-1

Our Lab I.D.			298544	298545	298546		
Client Sample I.D.			B54-5.0	B56-2.5	B56-5.0		
Date Sampled			05/31/2013	05/31/2013	05/31/2013		
Date Prepared			06/06/2013	06/06/2013	06/06/2013		
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013	06/06/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND		
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND		
1,1-Dichloroethane	1.30	10.0	ND	ND	ND		
1,2-Dichloroethane	1.57	10.0	ND	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	12.9	ND	ND		
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND		
1,2-Dichloropropane	0.660	10.0	ND	ND	ND		
1,3-Dichloropropane	0.920	10.0	ND	ND	ND		
2,2-Dichloropropane	1.36	10.0	ND	ND	ND		
1,1-Dichloropropene	1.12	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND		
Ethylbenzene	1.00	2.00	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND		
2-Hexanone	3.18	50.0	ND	ND	ND		
Isopropylbenzene	1.42	10.0	ND	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND		
MTBE	2.90	5.00	ND	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND		
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND		
Naphthalene	1.14	10.0	ND	ND	ND		
n-Propylbenzene	1.14	10.0	ND	ND	ND		
Styrene	0.800	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	2.94J	21.7	1.20J		
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND		
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND		
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND		
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060513-1

Our Lab I.D.			298544	298545	298546		
Client Sample I.D.			B54-5.0	B56-2.5	B56-5.0		
Date Sampled			05/31/2013	05/31/2013	05/31/2013		
Date Prepared			06/06/2013	06/06/2013	06/06/2013		
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013	06/06/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichloroethene (TCE)	1.15	10.0	4.28J	53.1	3.76J		
Trichlorofluoromethane	3.15	10.0	ND	ND	ND		
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND		
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND		
Vinyl acetate	10.8	50.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND		
o-Xylene	1.00	2.00	ND	ND	ND		
m- & p-Xylenes	1.80	4.00	ND	ND	ND		

Our Lab I.D.			298544	298545	298546		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		103	117	108		
Dibromofluoromethane	70-120		105	114	112		
Toluene-d8	70-120		100	97	99		

QUALITY CONTROL REPORT

QC Batch No: 060513-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	93	89	4.4	75-120	15					
Chlorobenzene	86	85	1.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	93	88	5.5	75-120	15					
MTBE	86	93	7.8	75-120	15					
Toluene (Methyl benzene)	99	97	2.0	75-120	15					
Trichloroethene (TCE)	89	87	2.3	75-120	15					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: J. Barkman

Site

12922 Panama St.
Los Angeles, CA

Page: **17**

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060613-1

Our Lab I.D.			298536	298540			
Client Sample I.D.			B48-2.5	B49-10.0			
Date Sampled			05/31/2013	05/31/2013			
Date Prepared			06/06/2013	06/06/2013			
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	12.7	50.0	ND	ND			
Benzene	0.930	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND			
Bromoform (Tribromomethane)	3.39	50.0	ND	ND			
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND			
n-Butylbenzene	2.05	10.0	ND	ND			
sec-Butylbenzene	3.04	10.0	ND	ND			
tert-Butylbenzene	1.34	10.0	ND	ND			
Carbon disulfide	5.53	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND			
Chlorobenzene	0.890	10.0	ND	ND			
Chloroethane	2.15	30.0	ND	ND			
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND			
Chloroform (Trichloromethane)	1.24	10.0	ND	ND			
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND			
Dibromochloromethane	0.650	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND			
Dibromomethane	2.30	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060613-1

Our Lab I.D.			298536	298540			
Client Sample I.D.			B48-2.5	B49-10.0			
Date Sampled			05/31/2013	05/31/2013			
Date Prepared			06/06/2013	06/06/2013			
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND			
Dichlorodifluoromethane	2.07	30.0	ND	ND			
1,1-Dichloroethane	1.30	10.0	ND	ND			
1,2-Dichloroethane	1.57	10.0	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND			
cis-1,2-Dichloroethene	2.16	10.0	3.00J	ND			
trans-1,2-Dichloroethene	2.60	10.0	ND	ND			
1,2-Dichloropropane	0.660	10.0	ND	ND			
1,3-Dichloropropane	0.920	10.0	ND	ND			
2,2-Dichloropropane	1.36	10.0	ND	ND			
1,1-Dichloropropene	1.12	10.0	ND	ND			
cis-1,3-Dichloropropene	0.980	10.0	ND	ND			
trans-1,3-Dichloropropene	0.960	10.0	ND	ND			
Ethylbenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND			
2-Hexanone	3.18	50.0	ND	ND			
Isopropylbenzene	1.42	10.0	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND			
MTBE	2.90	5.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND			
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND			
Naphthalene	1.14	10.0	ND	ND			
n-Propylbenzene	1.14	10.0	ND	ND			
Styrene	0.800	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	27.2	1.54J			
Toluene (Methyl benzene)	1.00	2.00	ND	ND			
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND			
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND			
1,1,1-Trichloroethane	2.03	10.0	ND	ND			
1,1,2-Trichloroethane	1.74	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-6182
Project Name: Panama Site

ASL Job Number	Submitted	Client
57163	05/31/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: 060613-1

Our Lab I.D.			298536	298540			
Client Sample I.D.			B48-2.5	B49-10.0			
Date Sampled			05/31/2013	05/31/2013			
Date Prepared			06/06/2013	06/06/2013			
Preparation Method							
Date Analyzed			06/06/2013	06/06/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	1.15	10.0	10.0	ND			
Trichlorofluoromethane	3.15	10.0	ND	ND			
1,2,3-Trichloropropane	1.74	10.0	ND	ND			
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND			
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND			
Vinyl acetate	10.8	50.0	ND	ND			
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND			
o-Xylene	1.00	2.00	ND	ND			
m- & p-Xylenes	1.80	4.00	ND	ND			

Our Lab I.D.			298536	298540			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		94	107			
Dibromofluoromethane	70-120		98	114			
Toluene-d8	70-120		94	113			

QUALITY CONTROL REPORT

QC Batch No: 060613-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	103	97	6.0	75-120	15					
Chlorobenzene	107	104	2.8	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	91	95	4.3	75-120	15					
MTBE	98	106	7.8	75-120	15					
Toluene (Methyl benzene)	89	97	8.6	75-120	15					
Trichloroethene (TCE)	89	95	6.5	75-120	15					

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Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Janathan Barkman

Number of Pages 10
Date Received 05/02/2013
Date Reported 05/23/2013

Job Number	Ordered	Client
56981	05/15/2013	ALTAEN

Project ID: MCGU-13-2252
Project Name: Teledyne
Site: 12964 Panama St.
L.A., CA

Enclosed are the results of analyses on 12 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

Additional Request (5/15/13)
Normal TAT, Due: 5/22/13

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

NEW JOB = 56981

COC# № 63987 GLOBAL ID _____ E REPORT: ☑ PDF ☐ EDF ☐ EDD ASL JOB# 56849

Company: Alta Environmental	Project Name: Teledyne	Report To:
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Site Address: 12964 Panama St LA, CA	Address:
Telephone: 562-495-5777 Fax: 5477	Project ID: MCG4-13-2252	Invoice To:
Special Instruction:	Project Manager: Mike Cassidy	Address:
E-mail: mid.shigono@altaenvironmental.com jonathan@altaenvironmental.com		P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH-CC 8015M	VOCs 8260B	T22 Metals (CAM17)	Archive	Additional 5/15/13	8260B - VOCs						Remarks
1	296888	B19-2.5	5/2/13	715	6	Soil	5035 Tube		X	X	X									NEW I.D.
2	296889	-5		720	6		↓		X	X	X									
		-10		730	1		Tube					X		✓	(Hold)				①	297650
		B20-2.5		755	1							X		✓					②	297651
		-5		805	1							X		✓					③	297652
		-10		815	1							X		✓					④	297653
		B22-2.5		920	1							X		✓					⑤	297654
		-5		930	1							X		✓					⑥	297655
		-10		940	1							X		✓					⑦	297656
		B21-2.5		1015	1							X		✓					⑧	297657

Collected By: [signature]	Date 5/2/13 Time 1400	Relinquished By:	Date Time
Relinquished By: [signature]	Date 5/02/13 Time 2:40pm	Received For Laboratory: [signature]	Date 5-2-13 Time 15:15
Received By:	Date Time	Condition of Sample:	

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
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Additional Request (5/15/13)
Normal TAT. Due: 5/22/13

Page 2 Of 2

NEW JOB # 56981

COC# № 63988 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56849

Company: Alta Environmental	Project Name: Teledyne	Report To:	ANALYSIS REQUESTED
Address: 3777 LB Blvd Annex Bldg LB, CA 90807	Site Address: 12964 Panama St LA, CA	Address:	
Telephone: 562-495-5777 Fax: 562-495-5877		Invoice To:	
Special Instruction:	Project ID: MCGU-13-2252	Address:	
E-mail: reid.shigoneo@altaenviron.com jonathan.harkman@ " "	Project Manager: Mike Cassidy	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Archive	Additional	5/15/13 8260B - VOCs	Remarks
		B21-5	5/2/13	1025	1	Tube	Soil		X		✓	(9) 297658 NEW I.D
		-10	↓	1040	1	↓	↓		X		✓	(10) 297659
		B31-2.5		1245	1				X		✓	(11) 297660
		-5		1255	1				X		✓	(12) 297661
		-10		1310	1	↓	↓		X		✓	(13) 297662

CHAIN OF CUSTODY RECORD

Collected By: [signature]	Date 5/2/13	Time 1400	Relinquished By:	Date	Time
Relinquished By: [signature]	Date 5/2/13	Time 316 PM	Received For Laboratory [signature]	Date 5-2-13	Time 15:15
Received By:	Date	Time	Condition of Sample:		

TAT ☐ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Janathan Barkman

Site

12964 Panama St.
L.A., CA

Page: **2**

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56981	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-051613

Our Lab I.D.			297653	297654	297655	297656	297657
Client Sample I.D.			B20-10	B22-2.5	B22-5	B22-10	B21-2.5
Date Sampled			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Date Prepared			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Preparation Method							
Date Analyzed			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	ND	ND	ND
Benzene	0.930	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56981	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-051613

Our Lab I.D.			297653	297654	297655	297656	297657
Client Sample I.D.			B20-10	B22-2.5	B22-5	B22-10	B21-2.5
Date Sampled			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Date Prepared			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Preparation Method							
Date Analyzed			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND	ND	ND	2.12J
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56981	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-051613

Our Lab I.D.			297653	297654	297655	297656	297657
Client Sample I.D.			B20-10	B22-2.5	B22-5	B22-10	B21-2.5
Date Sampled			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Date Prepared			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Preparation Method							
Date Analyzed			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			297653	297654	297655	297656	297657
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		102	104	104	99	107
Dibromofluoromethane	70-120		94	94	98	94	98
Toluene-d8	70-120		103	102	103	102	102

QUALITY CONTROL REPORT

QC Batch No: S1B-051613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	98	7.4	75-120	15					
Chlorobenzene	96	102	6.1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	104	106	1.9	75-120	15					
MTBE	96	102	6.1	75-120	15					
Toluene (Methyl benzene)	103	104	<1	75-120	15					
Trichloroethene (TCE)	85	90	5.7	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Janathan Barkman

Site

12964 Panama St.
L.A., CA

Page: 5

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56981	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-051613

Our Lab I.D.			297658	297659	297660	297661	297662
Client Sample I.D.			B21-5	B21-10	B31-2.5	B31-5	B31-10
Date Sampled			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Date Prepared			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Preparation Method							
Date Analyzed			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	ND	ND	ND
Benzene	0.930	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56981	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-051613

Our Lab I.D.			297658	297659	297660	297661	297662
Client Sample I.D.			B21-5	B21-10	B31-2.5	B31-5	B31-10
Date Sampled			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Date Prepared			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Preparation Method							
Date Analyzed			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND	ND	ND	ND
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56981	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-051613

Our Lab I.D.			297658	297659	297660	297661	297662
Client Sample I.D.			B21-5	B21-10	B31-2.5	B31-5	B31-10
Date Sampled			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Date Prepared			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Preparation Method							
Date Analyzed			05/16/2013	05/16/2013	05/16/2013	05/16/2013	05/16/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			297658	297659	297660	297661	297662
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		110	113	106	113	112
Dibromofluoromethane	70-120		104	111	116	116	111
Toluene-d8	70-120		101	101	103	101	104

QUALITY CONTROL REPORT

QC Batch No: S1B-051613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	98	7.4	75-120	15					
Chlorobenzene	96	102	6.1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	104	106	1.9	75-120	15					
MTBE	96	102	6.1	75-120	15					
Toluene (Methyl benzene)	103	104	<1	75-120	15					
Trichloroethene (TCE)	85	90	5.7	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Janathan Barkman

Site

12964 Panama St.
L.A., CA

Page: **8**

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56981	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-051513

Our Lab I.D.			297651	297652			
Client Sample I.D.			B20-2.5	B20-5			
Date Sampled			05/02/2013	05/02/2013			
Date Prepared			05/15/2013	05/15/2013			
Preparation Method							
Date Analyzed			05/15/2013	05/15/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	12.7	50.0	ND	ND			
Benzene	0.930	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND			
Bromoform (Tribromomethane)	3.39	50.0	ND	ND			
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND			
n-Butylbenzene	2.05	10.0	ND	ND			
sec-Butylbenzene	3.04	10.0	ND	ND			
tert-Butylbenzene	1.34	10.0	ND	ND			
Carbon disulfide	5.53	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND			
Chlorobenzene	0.890	10.0	ND	ND			
Chloroethane	2.15	30.0	ND	ND			
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND			
Chloroform (Trichloromethane)	1.24	10.0	ND	ND			
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND			
Dibromochloromethane	0.650	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND			
Dibromomethane	2.30	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56981	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-051513

Our Lab I.D.			297651	297652			
Client Sample I.D.			B20-2.5	B20-5			
Date Sampled			05/02/2013	05/02/2013			
Date Prepared			05/15/2013	05/15/2013			
Preparation Method							
Date Analyzed			05/15/2013	05/15/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND			
Dichlorodifluoromethane	2.07	30.0	ND	ND			
1,1-Dichloroethane	1.30	10.0	ND	ND			
1,2-Dichloroethane	1.57	10.0	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND			
cis-1,2-Dichloroethene	2.16	10.0	6.10J	ND			
trans-1,2-Dichloroethene	2.60	10.0	ND	ND			
1,2-Dichloropropane	0.660	10.0	ND	ND			
1,3-Dichloropropane	0.920	10.0	ND	ND			
2,2-Dichloropropane	1.36	10.0	ND	ND			
1,1-Dichloropropene	1.12	10.0	ND	ND			
cis-1,3-Dichloropropene	0.980	10.0	ND	ND			
trans-1,3-Dichloropropene	0.960	10.0	ND	ND			
Ethylbenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND			
2-Hexanone	3.18	50.0	ND	ND			
Isopropylbenzene	1.42	10.0	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND			
MTBE	2.90	5.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND			
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND			
Naphthalene	1.14	10.0	ND	ND			
n-Propylbenzene	1.14	10.0	ND	ND			
Styrene	0.800	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	18.1	1.10J			
Toluene (Methyl benzene)	1.00	2.00	ND	ND			
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND			
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND			
1,1,1-Trichloroethane	2.03	10.0	ND	ND			
1,1,2-Trichloroethane	1.74	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56981	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-051513

Our Lab I.D.			297651	297652			
Client Sample I.D.			B20-2.5	B20-5			
Date Sampled			05/02/2013	05/02/2013			
Date Prepared			05/15/2013	05/15/2013			
Preparation Method							
Date Analyzed			05/15/2013	05/15/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	1.15	10.0	5.10J	ND			
Trichlorofluoromethane	3.15	10.0	ND	ND			
1,2,3-Trichloropropane	1.74	10.0	ND	ND			
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND			
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND			
Vinyl acetate	10.8	50.0	ND	ND			
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND			
o-Xylene	1.00	2.00	ND	ND			
m- & p-Xylenes	1.80	4.00	ND	ND			

Our Lab I.D.			297651	297652			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		104	104			
Dibromofluoromethane	70-120		96	98			
Toluene-d8	70-120		106	104			

QUALITY CONTROL REPORT

QC Batch No: S1C-051513

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	90	1.1	75-120	15					
Chlorobenzene	87	87	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	85	83	2.4	75-120	15					
MTBE	86	87	1.2	75-120	15					
Toluene (Methyl benzene)	101	96	5.1	75-120	15					
Trichloroethene (TCE)	91	88	3.4	75-120	15					

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Environmental Testing Services
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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Jonathan Barkman

Number of Pages 7
Date Received 05/01/2013
Date Reported 05/23/2013

Job Number	Ordered	Client
56980	05/15/2013	ALTAEN

Project ID: MCGU-13-2252
Project Name: Teledyne
Site: 12964 Panama St.
L.A., CA

Enclosed are the results of analyses on 7 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

Additional Request (5/15/13)
Normal TAT, Due: 5/22/13

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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NEW JOB # 56980

COC# No 63973 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56840

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne Site Address: 12964 Panama St LA, CA	Address: Invoice To: Address:	
Telephone: 562-495-5777 Fax: 5877			
Special Instruction:	Project ID: MCGU-13-2252		
E-mail: reid.shigono@altaenvirn.com jonathon.barkman@altaenvirn.com	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH-EC 8015M	VOCs 8260B	T22 Metals 6010B/7471A	Archive	Additional 5/15/13 8260B-VOCs						Remarks
		B29-2.5	5/1/13	740	1	Tube	Soil					X	✓					①	NEW ID 297643
		-5	|	750	1	|						X	✓					②	297644
		-10	|	800	1	↓						X	✓					③	297645
1	296843	B14-2.5	|	830	6	5035 Tube			X	X	X								
2	296844	-5	|	840	6	↓			X	X	X								
		-10	|	850	1	Tube					X								
3	296845	B16-2.5	|	915	6	5035 Tube			X	X	X								
4	296846	-5	|	925	6	↓			X	X	X								
		-10	|	935	1	Tube					X	✓					④	297646
5	296847	B15-2.5	↓	955	6	5035 Tube			X	X	X								

Collected By: [signature]	Date 5/1/13	Time 1500	Relinquished By:	Date	Time
Relinquished By:	Date	Time	Received For Laboratory: [signature]	Date 5/1/13	Time 8:00
Received By:	Date	Time	Condition of Sample:	Temp. 4°C	

TAT: ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

Additional Request (5/15/13)
Normal TAT, Due 5/22/13

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

NEW JOB# 56980

COC# No 63967 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56840

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12914 Panama St LA, CA	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877		Address:	
Special Instruction:	Project ID: MCGM-13-2252		
E-mail: reid-shigeno@altaenvironmental.com jonathan-barbanon@" "	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TPH-cc 8015M	VOCs 8260B	TTLC Metals 6010B/7000A	Archive	Additional 5/15/13 8260B - VOCs	Remarks
6	296848	B15-5	5/01/13	1005	6	5035 Tube			X	X	X			NEW I.D.
		-10		1020	1	Tube						X		
		~~B14-Slab~~		~~1115~~	~~1~~									per Reid
		B23-2.5		1130	~~1~~ 6	5035 (NO VOAS) Tube			~~X~~	~~X~~	~~X~~	X	✓	~~Archive~~ ⑤ 297647
		-5		1140	~~1~~ 6	↓ (NO VOAS)			~~X~~	~~X~~	~~X~~	X	✓	~~Archive~~ ⑥ 297648
		-10		1150	1	Tube						X	✓	⑨ 297649
7	296849	B17-2.5		1300	6	5035 Tube			X	X	X			
8	296850	-5		1310	6	↓			X	X	X			
		-10		1320	1	Tube						X		
9	296851	B18-2.5	↓	1340	6	5035 Tube			X	X	X			

Collected By: [signature]	Date 5/1/13	Time 1500	Relinquished By:	Date	Time
Relinquished By:	Date	Time	Received For Laboratory: [signature]	Date 5/1/13	Time 13:06
Received By:	Date	Time	Condition of Sample:		

TAT: ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

Page 3 Of 3

NEW JOB # 56980

COC# № 63974 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 56840

Company: Alta Environmental		Report To:	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd Annex LB, CA 90807	Project Name: Teledyne	Address:	TPHCC 8015M; 8260B VOCs; TPH-Modified 8015B/3510A; Archive
	Site Address: 1964 Panama St LA, CA	Invoice To:	
Telephone: Fax: 562-491-5777		Address:	
Special Instruction:	Project ID: MCGU-13-2252		
E-mail: reid.shigeno@altaenviron.com jonathan.barkner@ " "	Project Manager: Mike Cassidy	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPHCC 8015M	VOCs 8260B	TPH-Modified 8015B/3510A	Archive	Remarks
10	296852	B18-5	5/1/13	1350	6	5035 Tube	Soil		X	X	X		
		-10	↓	1400	1	Tube	↓					X	

Collected By: Reid Shigeno	Date 5/1/13	Time 1500	Relinquished By:	Date	Time
Relinquished By:	Date	Time	Received For Laboratory:	Date 5/1/13	Time 1506
Received By:	Date	Time	Condition of Sample:		

TAT: ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12964 Panama St.
L.A., CA

Page: **2**

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56980	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-051513

Our Lab I.D.			**297647**	**297648**	**297649**		
Client Sample I.D.			B23-2.5	B23-5	B23-10		
Date Sampled			05/01/2013	05/01/2013	05/01/2013		
Date Prepared			05/15/2013	05/15/2013	05/15/2013		
Preparation Method							
Date Analyzed			05/15/2013	05/15/2013	05/15/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	12.7	50.0	ND	ND	ND		
Benzene	0.930	2.00	ND	ND	ND		
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND		
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND		
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND		
n-Butylbenzene	2.05	10.0	ND	ND	ND		
sec-Butylbenzene	3.04	10.0	ND	ND	ND		
tert-Butylbenzene	1.34	10.0	ND	ND	ND		
Carbon disulfide	5.53	10.0	ND	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND		
Chlorobenzene	0.890	10.0	ND	ND	ND		
Chloroethane	2.15	30.0	ND	ND	ND		
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND		
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND		
Dibromochloromethane	0.650	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND		
Dibromomethane	2.30	10.0	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND		

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Environmental Testing Services
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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56980	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-051513

Our Lab I.D.			297647	297648	297649		
Client Sample I.D.			B23-2.5	B23-5	B23-10		
Date Sampled			05/01/2013	05/01/2013	05/01/2013		
Date Prepared			05/15/2013	05/15/2013	05/15/2013		
Preparation Method							
Date Analyzed			05/15/2013	05/15/2013	05/15/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND		
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND		
1,1-Dichloroethane	1.30	10.0	ND	ND	ND		
1,2-Dichloroethane	1.57	10.0	ND	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND		
1,2-Dichloropropane	0.660	10.0	ND	ND	ND		
1,3-Dichloropropane	0.920	10.0	ND	ND	ND		
2,2-Dichloropropane	1.36	10.0	ND	ND	ND		
1,1-Dichloropropene	1.12	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND		
Ethylbenzene	1.00	2.00	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND		
2-Hexanone	3.18	50.0	ND	ND	ND		
Isopropylbenzene	1.42	10.0	ND	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND		
MTBE	2.90	5.00	ND	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND		
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND		
Naphthalene	1.14	10.0	ND	ND	ND		
n-Propylbenzene	1.14	10.0	ND	ND	ND		
Styrene	0.800	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	44.0	3.32J	ND		
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND		
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND		
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND		
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND		

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Environmental Testing Services
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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56980	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-051513

Our Lab I.D.			297647	297648	297649		
Client Sample I.D.			B23-2.5	B23-5	B23-10		
Date Sampled			05/01/2013	05/01/2013	05/01/2013		
Date Prepared			05/15/2013	05/15/2013	05/15/2013		
Preparation Method							
Date Analyzed			05/15/2013	05/15/2013	05/15/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichloroethene (TCE)	1.15	10.0	ND	ND	ND		
Trichlorofluoromethane	3.15	10.0	ND	ND	ND		
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND		
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND		
Vinyl acetate	10.8	50.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND		
o-Xylene	1.00	2.00	ND	ND	ND		
m- & p-Xylenes	1.80	4.00	ND	ND	ND		

Our Lab I.D.			297647	297648	297649		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		118	118	114		
Dibromofluoromethane	70-120		106	110	106		
Toluene-d8	70-120		100	99	100		

QUALITY CONTROL REPORT

QC Batch No: S1B-051513

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	98	95	3.1	75-120	15					
Chlorobenzene	102	99	3.0	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	103	98	5.0	75-120	15					
MTBE	83	88	5.8	75-120	15					
Toluene (Methyl benzene)	107	104	2.8	75-120	15					
Trichloroethene (TCE)	90	87	3.4	75-120	15					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Jonathan Barkman

Site

12964 Panama St.
L.A., CA

Page: 5

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56980	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-051513

Our Lab I.D.			297643	297644	297645	297646	
Client Sample I.D.			B29-2.5	B29-5	B29-10	B16-10	
Date Sampled			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Date Prepared			05/15/2013	05/15/2013	05/15/2013	05/15/2013	
Preparation Method							
Date Analyzed			05/15/2013	05/15/2013	05/15/2013	05/15/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	12.7	50.0	ND	ND	ND	ND	
Benzene	0.930	2.00	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	
Chloroethane	2.15	30.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	
Dibromomethane	2.30	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56980	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-051513

Our Lab I.D.			297643	297644	297645	297646	
Client Sample I.D.			B29-2.5	B29-5	B29-10	B16-10	
Date Sampled			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Date Prepared			05/15/2013	05/15/2013	05/15/2013	05/15/2013	
Preparation Method							
Date Analyzed			05/15/2013	05/15/2013	05/15/2013	05/15/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	3.46J	
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	
2-Hexanone	3.18	50.0	ND	ND	ND	ND	
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	
MTBE	2.90	5.00	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	
Naphthalene	1.14	10.0	ND	ND	ND	ND	
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	
Styrene	0.800	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	84.4	3.56J	4.12J	ND	
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Teledyne

ASL Job Number	Submitted	Client
56980	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-051513

Our Lab I.D.			297643	297644	297645	297646	
Client Sample I.D.			B29-2.5	B29-5	B29-10	B16-10	
Date Sampled			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Date Prepared			05/15/2013	05/15/2013	05/15/2013	05/15/2013	
Preparation Method							
Date Analyzed			05/15/2013	05/15/2013	05/15/2013	05/15/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Trichloroethene (TCE)	1.15	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	
o-Xylene	1.00	2.00	ND	ND	ND	ND	
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	

Our Lab I.D.			297643	297644	297645	297646	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		103	102	102	97	
Dibromofluoromethane	70-120		89	92	86	87	
Toluene-d8	70-120		98	98	101	101	

QUALITY CONTROL REPORT

QC Batch No: S1C-051513

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	90	1.1	75-120	15					
Chlorobenzene	87	87	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	85	83	2.4	75-120	15					
MTBE	86	87	1.2	75-120	15					
Toluene (Methyl benzene)	101	96	5.1	75-120	15					
Trichloroethene (TCE)	91	88	3.4	75-120	15					

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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Reid Shigeno

Number of Pages 8
Date Received 05/02/2013
Date Reported 05/09/2013

Job Number	Ordered	Client
56849	05/02/2013	ALTAEN

Project ID: MCGU-13-2252
Project Name: Panama Site
Site: 12964 Panama St.
L.A., CA

Enclosed are the results of analyses on 2 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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CHAIN OF CUSTODY RECORD

COC# No 63987 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56849

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St LA, CA	Invoice To:	
Telephone: 562-495-5777 Fax: 5477		Address:	
Special Instruction:	Project ID: MCGU-13-2252		
E-mail: reid.shigono@altaenvironmental.com jonathan.bakeman@ " "	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH-CC 8015M	VOCs 8260B	T22 Metals (CAM17)	Archive	Remarks
1	296888	B19-2.5	5/2/13	715	6	Soil	5035 Tube		X	X	X		
2	296889	-5	↓	720	6	↓	↓		X	X	X		
		-10		730	1		Tube					X	
		B20-2.5		755	1							X	
		-5		805	1							X	
		-10		815	1							X	
		B22-2.5		920	1							X	
		-5		930	1							X	
		-10		940	1							X	
		B21-2.5	↓	1015	1	↓	↓					X	

Collected By:	Date 5/2/13 Time 1400	Relinquished By:	Date Time
Relinquished By:	Date 5/02/13 Time 2:16pm	Received For Laboratory	Date 5-2-13 Time 15:15
Received By:	Date Time	Condition of Sample:	

TAT ☒ Normal ☐ Rush

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

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CHAIN OF CUSTODY RECORD

COC# № 63988 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56849

Company: Alta Environmental		Report To:	
Address: 3777 LB Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St LA, CA	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877		Address:	
Special Instruction:	Project ID: MCGU-13-2252		
E-mail: reid.shigone@altaenviron.com jonathan.sharkman@ " "	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Archive	Remarks
		B21-5	5/2/13	1025	1	Tube	Soil		X	
		-10		1040	1				X	
		B31-2.5		1245	1				X	
		-5		1255	1				X	
		-10		1310	1				X	

Collected By:	Date 5/2/13	Time 1400	Relinquished By:	Date	Time
Relinquished By:	Date 5/2/13	Time 316 pm	Received For Laboratory Alex	Date 5-2-13	Time 15:15
Received By:	Date	Time	Condition of Sample:		

TAT ☐ Normal ☐ Rush

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: **2**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050713-2

Our Lab I.D.		**296888**	**296889**			
Client Sample I.D.		B19-2.5	B19-5			
Date Sampled		**05/02/2013**	**05/02/2013**			
Date Prepared		**05/07/2013**	**05/07/2013**			
Preparation Method						
Date Analyzed		**05/07/2013**	**05/07/2013**			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	**PQL**	**Results**	**Results**			
AA Metals						
Mercury	**0.0500**	**ND**	**ND**			
ICP Metals						
Antimony	**0.500**	**ND**	**ND**			
Arsenic	**0.250**	**6.75**	**11.5**			
Barium	**0.500**	**94.8**	**128**			
Beryllium	**0.500**	**ND**	**0.544**			
Cadmium	**0.500**	**1.86**	**2.44**			
Chromium	**0.500**	**21.9**	**35.2**			
Cobalt	**0.500**	**6.71**	**9.97**			
Copper	**0.500**	**32.9**	**44.0**			
Lead	**0.250**	**3.10**	**5.30**			
Molybdenum	**0.500**	**2.04**	**2.04**			
Nickel	**0.500**	**21.1**	**29.8**			
Selenium	**0.500**	**ND**	**ND**			
Silver	**0.500**	**ND**	**ND**			
Thallium	**0.500**	**ND**	**ND**			
Vanadium	**0.500**	**38.5**	**65.1**			
Zinc	**0.500**	**42.5**	**57.8**			

QUALITY CONTROL REPORT

QC Batch No: 050713-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	**106**	**80-120**								
ICP Metals										
Antimony	**95**	**80-120**								
Arsenic	**95**	**80-120**								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 050713-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**102**	**80-120**								
Beryllium	**107**	**80-120**								
Cadmium	**98**	**80-120**								
Chromium	**100**	**80-120**								
Cobalt	**99**	**80-120**								
Copper	**102**	**80-120**								
Lead	**99**	**80-120**								
Molybdenum	**98**	**80-120**								
Nickel	**100**	**80-120**								
Selenium	**96**	**80-120**								
Silver	**92**	**80-120**								
Thallium	**103**	**80-120**								
Vanadium	**100**	**80-120**								
Zinc	**102**	**80-120**								

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ANALYTICAL RESULTS

Ordered By

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Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: **4**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050613

Our Lab I.D.			**296888**	**296889**			
Client Sample I.D.			B19-2.5	B19-5			
Date Sampled			05/02/2013	05/02/2013			
Date Prepared			05/06/2013	05/06/2013			
Preparation Method							
Date Analyzed			05/06/2013	05/06/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH DROs (C10 to C28)	1.00	10.0	ND	ND			
TPH OROs (C28+)	17.0	50.0	ND	ND			

Our Lab I.D.			**296888**	**296889**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Chlorobenzene	70-120		106	105			

QUALITY CONTROL REPORT

QC Batch No: S1D-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	91	90	1.1	75-120	<20					

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Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

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3777 Long Beach Blvd. Annex Bl
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Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: **5**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050313

Our Lab I.D.			**296888**	**296889**			
Client Sample I.D.			B19-2.5	B19-5			
Date Sampled			05/02/2013	05/02/2013			
Date Prepared			05/04/2013	05/04/2013			
Preparation Method							
Date Analyzed			05/04/2013	05/04/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH GROs (C6 to C10)	0.200	0.500	ND	ND			

Our Lab I.D.			**296888**	**296889**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		99	95			

QUALITY CONTROL REPORT

QC Batch No: S2-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	95	96	1.0	75-120	<20					
Toluene	91	91	<1	75-120	<20					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: 6

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			296888	296889			
Client Sample I.D.			B19-2.5	B19-5			
Date Sampled			05/02/2013	05/02/2013			
Date Prepared			05/03/2013	05/03/2013			
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	12.7	50.0	23.8J	25.0J			
Benzene	0.930	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND			
Bromoform (Tribromomethane)	3.39	50.0	ND	ND			
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND			
n-Butylbenzene	2.05	10.0	ND	ND			
sec-Butylbenzene	3.04	10.0	ND	ND			
tert-Butylbenzene	1.34	10.0	ND	ND			
Carbon disulfide	5.53	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND			
Chlorobenzene	0.890	10.0	ND	ND			
Chloroethane	2.15	30.0	ND	ND			
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND			
Chloroform (Trichloromethane)	1.24	10.0	ND	ND			
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND			
Dibromochloromethane	0.650	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND			
Dibromomethane	2.30	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			296888	296889			
Client Sample I.D.			B19-2.5	B19-5			
Date Sampled			05/02/2013	05/02/2013			
Date Prepared			05/03/2013	05/03/2013			
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND			
Dichlorodifluoromethane	2.07	30.0	ND	ND			
1,1-Dichloroethane	1.30	10.0	ND	ND			
1,2-Dichloroethane	1.57	10.0	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND			
cis-1,2-Dichloroethene	2.16	10.0	ND	ND			
trans-1,2-Dichloroethene	2.60	10.0	ND	ND			
1,2-Dichloropropane	0.660	10.0	ND	ND			
1,3-Dichloropropane	0.920	10.0	ND	ND			
2,2-Dichloropropane	1.36	10.0	ND	ND			
1,1-Dichloropropene	1.12	10.0	ND	ND			
cis-1,3-Dichloropropene	0.980	10.0	ND	ND			
trans-1,3-Dichloropropene	0.960	10.0	ND	ND			
Ethylbenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND			
2-Hexanone	3.18	50.0	ND	ND			
Isopropylbenzene	1.42	10.0	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND			
MTBE	2.90	5.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND			
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND			
Naphthalene	1.14	10.0	ND	ND			
n-Propylbenzene	1.14	10.0	ND	ND			
Styrene	0.800	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	4.76J			
Toluene (Methyl benzene)	1.00	2.00	ND	ND			
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND			
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND			
1,1,1-Trichloroethane	2.03	10.0	ND	ND			
1,1,2-Trichloroethane	1.74	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56849	05/02/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			296888	296889			
Client Sample I.D.			B19-2.5	B19-5			
Date Sampled			05/02/2013	05/02/2013			
Date Prepared			05/03/2013	05/03/2013			
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	1.15	10.0	ND	9.28J			
Trichlorofluoromethane	3.15	10.0	ND	ND			
1,2,3-Trichloropropane	1.74	10.0	ND	ND			
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND			
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND			
Vinyl acetate	10.8	50.0	ND	ND			
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND			
o-Xylene	1.00	2.00	ND	ND			
m- & p-Xylenes	1.80	4.00	ND	ND			

Our Lab I.D.			296888	296889			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		87	88			
Dibromofluoromethane	70-120		87	94			
Toluene-d8	70-120		98	99			

QUALITY CONTROL REPORT

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	105	104	<1	75-120	15					
Chlorobenzene	90	93	3.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15					
MTBE	94	102	8.2	75-120	15					
Toluene (Methyl benzene)	101	101	<1	75-120	15					
Trichloroethene (TCE)	105	104	<1	75-120	15					

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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Reid Shigeno

Number of Pages 21
Date Received 05/01/2013
Date Reported 05/08/2013

Job Number	Ordered	Client
56840	05/01/2013	ALTAEN

Project ID: MCGU-13-2252
Project Name: Panama Site
Site: 12964 Panama St.
L.A, CA

Enclosed are the results of analyses on 10 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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COC# Nº 63973 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56840

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St LA, CA	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877		Address:	
Special Instruction:	Project ID: MCGU-12-2252		
E-mail: reid.shigono@altaenvironm.com jonathan.barkman@altaenviron.com	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH 8015M	VOCs 8260B	T22 Metals 6010B/7471A	Archive	Remarks
		B29-2.5	5/1/13	740	1	Tube	Soil					X	
		-5	↓	750	1	↓						X	
		-10		800	1	↓						X	
1	296843	B14-2.5		830	6	5035 Tube			X	X	X		
2	296844	-5		840	6	↓			X	X	X		
		-10		850	1	Tube						X	
3	296845	B16-2.5		915	6	5035 Tube			X	X	X		
4	296846	-5		925	6	↓			X	X	X		
		-10		935	1	Tube						X	
5	296847	B15-2.5	↓	955	6	5035 Tube			X	X	X		

Collected By: [signature]	Date 5/1/13	Time 1500	Relinquished By:	Date	Time
Relinquished By:	Date	Time	Received For Laboratory [signature]	Date 5/1/13	Time 15:00
Received By:	Date	Time	Condition of Sample:	Temp. 4°C	

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

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CHAIN OF CUSTODY RECORD

COC# № 63967 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56840

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St LA, CA	Invoice To:	
Telephone: Fax: 562-495-5777 5877		Address:	
Special Instruction:	Project ID: MCGA-13-2252		
E-mail: reid-shigeno@altaenvironmental.com jonathan.barinan@ " "	Project Manager: Mike Cassichi	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPHcc 8015M	VOCs 8260B	Title 22 Metals 6010B/7471A	Archive	Remarks
6	296848	B15-5	5/01/13	1005	6	5035 Tube			X	X	X		
		-10		1020	1	Tube						X	
		~~B14-Slab~~		~~1115~~	~~1~~								per Reid
		B23-2.5		1130	~~1~~ 6	5035 (NO VOAS) Tube			~~X~~	~~X~~	~~X~~	X	Archive
		-5		1140	~~1~~ 6	↓ (NO VOAS)			~~X~~	~~X~~	~~X~~	X	Archive
		-10		1150	1	Tube						X	
7	296849	B17-2.5		1300	6	5035 Tube			X	X	X		
8	296850	-5		1310	6	↓			X	X	X		
		-10		1320	1	Tube						X	
9	296851	B18-2.5		1340	6	5035 Tube			X	X	X		

Collected By: [signature]	Date 5/1/13	Time 1500	Relinquished By:	Date	Time
Relinquished By:	Date	Time	Received For Laboratory: [signature]	Date 5/1/13	Time 1536
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

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CHAIN OF CUSTODY RECORD

COC# № 63974 GLOBAL ID _____ E REPORT: ☐ PDF ☐ EDF ☐ EDD ASL JOB# 56840

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Annex LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 17464 Panama St LA, CA	Invoice To:	
Telephone: Fax: 562-491-5777		Address:	
Special Instruction:	Project ID: MCCU-13-2252		
E-mail: reid.shigenaga@altaenviron.com jonathan.backman@ " "	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TPH-CC 8015M	8260B VOCs	T22 Metals 6010B/7471A	Archive	Remarks
10	296852	B18-5	5/1/13	1350	6	5035 Tube	Soil		X	X	X		
		-10	↓	1400	1	Tube	↓					X	

Collected By: Reid Sh	Date 5/1/13	Time 1500	Relinquished By:	Date	Time
Relinquished By:	Date	Time	Received For Laboratory [signature]	Date 5/1/13	Time 1500
Received By:	Date	Time	Condition of Sample:		

TAT: ☒ Normal ☐ Rush

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

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ANALYTICAL RESULTS

Ordered By

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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A, CA

Page: **2**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050313-2.

Our Lab I.D.		296843	296844	296845	296846	296847
Client Sample I.D.		B14-2.5	B14-5	B16-2.5	B16-5	B15-2.5
Date Sampled		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared		05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method						
Date Analyzed		05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	0.0660	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	1.94	12.4	1.03	8.46	0.388
Barium	0.500	117	334	116	107	104
Beryllium	0.500	ND	0.527	ND	0.629	ND
Cadmium	0.500	2.08	2.79	1.86	2.21	1.95
Chromium	0.500	30.8	29.5	27.8	36.5	29.4
Cobalt	0.500	8.72	10.3	8.43	7.92	8.42
Copper	0.500	123	27.8	145	32.9	75.4
Lead	0.250	13.1	4.16	11.5	4.01	6.41
Molybdenum	0.500	ND	4.77	ND	2.65	ND
Nickel	0.500	22.9	29.3	21.8	34.8	22.7
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	42.0	62.6	37.2	60.7	38.3
Zinc	0.500	83.8	49.6	74.8	62.4	69.7

QUALITY CONTROL REPORT

QC Batch No: 050313-2.

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	90	80-120								
ICP Metals										
Antimony	97	80-120								
Arsenic	93	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 050313-2.

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**97**	**80-120**								
Beryllium	**103**	**80-120**								
Cadmium	**95**	**80-120**								
Chromium	**94**	**80-120**								
Cobalt	**96**	**80-120**								
Copper	**97**	**80-120**								
Lead	**95**	**80-120**								
Molybdenum	**95**	**80-120**								
Nickel	**95**	**80-120**								
Selenium	**92**	**80-120**								
Silver	**99**	**80-120**								
Thallium	**98**	**80-120**								
Vanadium	**95**	**80-120**								
Zinc	**102**	**80-120**								

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A, CA

Page: **4**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050313-2.

Our Lab I.D.		296848	296849	296850	296851	296852
Client Sample I.D.		B15-5	B17-2.5	B17-5	B18-2.5	B18-5
Date Sampled		05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared		05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method						
Date Analyzed		05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	ND	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	9.67	5.83	2.96	6.38	10.3
Barium	0.500	113	103	74.2	113	128
Beryllium	0.500	ND	0.528	0.529	0.565	0.525
Cadmium	0.500	2.06	2.35	1.87	2.26	2.65
Chromium	0.500	28.6	36.5	33.0	35.3	30.9
Cobalt	0.500	7.45	7.76	9.94	9.41	9.64
Copper	0.500	28.1	88.0	28.4	34.4	28.5
Lead	0.250	3.73	8.11	3.94	4.67	4.34
Molybdenum	0.500	3.15	ND	0.944	ND	3.53
Nickel	0.500	25.7	26.8	27.6	28.7	28.5
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	54.0	56.4	44.0	61.1	56.6
Zinc	0.500	51.3	74.2	61.8	66.1	61.6

QUALITY CONTROL REPORT

QC Batch No: 050313-2.

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	90	80-120								
ICP Metals										
Antimony	97	80-120								
Arsenic	93	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 050313-2.

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**97**	**80-120**								
Beryllium	**103**	**80-120**								
Cadmium	**95**	**80-120**								
Chromium	**94**	**80-120**								
Cobalt	**96**	**80-120**								
Copper	**97**	**80-120**								
Lead	**95**	**80-120**								
Molybdenum	**95**	**80-120**								
Nickel	**95**	**80-120**								
Selenium	**92**	**80-120**								
Silver	**99**	**80-120**								
Thallium	**98**	**80-120**								
Vanadium	**95**	**80-120**								
Zinc	**102**	**80-120**								

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050613

Our Lab I.D.			296844	296846			
Client Sample I.D.			B14-5	B16-5			
Date Sampled			05/01/2013	05/01/2013			
Date Prepared			05/06/2013	05/06/2013			
Preparation Method							
Date Analyzed			05/06/2013	05/06/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH DROs (C10 to C28)	1.00	10.0	ND	ND			
TPH OROs (C28+)	17.0	50.0	ND	ND			

Our Lab I.D.			296844	296846			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Chlorobenzene	70-120		107	108			

QUALITY CONTROL REPORT

QC Batch No: S1D-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	91	90	1.1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2D-050613

Our Lab I.D.			296843	296845	296847	296848	296849
Client Sample I.D.			B14-2.5	B16-2.5	B15-2.5	B15-5	B17-2.5
Date Sampled			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared			05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Preparation Method							
Date Analyzed			05/07/2013	05/07/2013	05/07/2013	05/07/2013	05/07/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DROs (C10 to C28)	1.00	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	17.0	50.0	ND	ND	ND	ND	ND

Our Lab I.D.			296843	296845	296847	296848	296849
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Chlorobenzene	70-120		106	106	105	106	104

QUALITY CONTROL REPORT

QC Batch No: S2D-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	101	100	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2D-050613

Our Lab I.D.			**296850**	**296851**	**296852**		
Client Sample I.D.			B17-5	B18-2.5	B18-5		
Date Sampled			05/01/2013	05/01/2013	05/01/2013		
Date Prepared			05/06/2013	05/06/2013	05/06/2013		
Preparation Method							
Date Analyzed			05/07/2013	05/07/2013	05/07/2013		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH DROs (C10 to C28)	1.00	10.0	ND	ND	ND		
TPH OROs (C28+)	17.0	50.0	ND	ND	ND		

Our Lab I.D.			**296850**	**296851**	**296852**		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Chlorobenzene	70-120		106	104	105		

QUALITY CONTROL REPORT

QC Batch No: S2D-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	101	100	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050713

Our Lab I.D.			**296845**	**296851**			
Client Sample I.D.			B16-2.5	B18-2.5			
Date Sampled			05/01/2013	05/01/2013			
Date Prepared			05/07/2013	05/07/2013			
Preparation Method							
Date Analyzed			05/07/2013	05/07/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH GROs (C6 to C10)	0.200	0.500	ND	ND			

Our Lab I.D.			**296845**	**296851**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		112	75			

QUALITY CONTROL REPORT

QC Batch No: S1-050713

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	97	96	1.0	75-120	<20					
Toluene	93	92	1.1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050313

Our Lab I.D.			296843	296844	296846	296848	296849
Client Sample I.D.			B14-2.5	B14-5	B16-5	B15-5	B17-2.5
Date Sampled			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared			05/04/2013	05/04/2013	05/04/2013	05/04/2013	05/04/2013
Preparation Method							
Date Analyzed			05/04/2013	05/04/2013	05/04/2013	05/04/2013	05/04/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH GROs (C6 to C10)	0.200	0.500	ND	ND	ND	ND	ND

Our Lab I.D.			296843	296844	296846	296848	296849
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		90	89	116	107	74

QUALITY CONTROL REPORT

QC Batch No: S2-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	95	96	1.0	75-120	<20					
Toluene	91	91	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050313

Our Lab I.D.			**296850**	**296852**			
Client Sample I.D.			B17-5	B18-5			
Date Sampled			05/01/2013	05/01/2013			
Date Prepared			05/04/2013	05/04/2013			
Preparation Method							
Date Analyzed			05/04/2013	05/04/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH GROs (C6 to C10)	0.200	0.500	ND	ND			

Our Lab I.D.			**296850**	**296852**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		105	114			

QUALITY CONTROL REPORT

QC Batch No: S2-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	95	96	1.0	75-120	<20					
Toluene	91	91	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050713

Our Lab I.D.			**296847**				
Client Sample I.D.			B15-2.5				
Date Sampled			05/01/2013				
Date Prepared			05/08/2013				
Preparation Method							
Date Analyzed			05/08/2013				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH GROs (C6 to C10)	0.200	0.500	ND				

Our Lab I.D.			**296847**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		81				

QUALITY CONTROL REPORT

QC Batch No: S2-050713

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	88	91	3.4	75-120	<20					
Toluene	84	86	2.4	75-120	<20					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1-050313

Our Lab I.D.			296844	296846	296848	296850	296852
Client Sample I.D.			B14-5	B16-5	B15-5	B17-5	B18-5
Date Sampled			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared			05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	ND	ND	ND
Benzene	0.930	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1-050313

Our Lab I.D.			296844	296846	296848	296850	296852
Client Sample I.D.			B14-5	B16-5	B15-5	B17-5	B18-5
Date Sampled			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared			05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	23.3	ND	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	1.24J	1.80J	6.58J	ND	ND
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1-050313

Our Lab I.D.			296844	296846	296848	296850	296852
Client Sample I.D.			B14-5	B16-5	B15-5	B17-5	B18-5
Date Sampled			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Date Prepared			05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013	05/03/2013	05/03/2013	05/03/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	2.78J	2.70J	ND	ND
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			296844	296846	296848	296850	296852
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		86	89	87	89	87
Dibromofluoromethane	70-120		98	86	88	85	96
Toluene-d8	70-120		78	98	98	99	98

QUALITY CONTROL REPORT

QC Batch No: S1-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	105	104	<1	75-120	15					
Chlorobenzene	90	93	3.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15					
MTBE	94	102	8.2	75-120	15					
Toluene (Methyl benzene)	101	101	<1	75-120	15					
Trichloroethene (TCE)	105	104	<1	75-120	15					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A, CA

Page: **16**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050613

Our Lab I.D.			296843	296845	296847		
Client Sample I.D.			B14-2.5	B16-2.5	B15-2.5		
Date Sampled			05/01/2013	05/01/2013	05/01/2013		
Date Prepared			05/06/2013	05/06/2013	05/06/2013		
Preparation Method							
Date Analyzed			05/06/2013	05/06/2013	05/06/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	12.7	50.0	101	65.2	108		
Benzene	0.930	2.00	2.28	1.18J	3.40		
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND		
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND		
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND		
n-Butylbenzene	2.05	10.0	ND	ND	ND		
sec-Butylbenzene	3.04	10.0	ND	ND	ND		
tert-Butylbenzene	1.34	10.0	ND	ND	ND		
Carbon disulfide	5.53	10.0	ND	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND		
Chlorobenzene	0.890	10.0	ND	ND	ND		
Chloroethane	2.15	30.0	ND	ND	ND		
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND		
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND		
Dibromochloromethane	0.650	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND		
Dibromomethane	2.30	10.0	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND		

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050613

Our Lab I.D.			296843	296845	296847		
Client Sample I.D.			B14-2.5	B16-2.5	B15-2.5		
Date Sampled			05/01/2013	05/01/2013	05/01/2013		
Date Prepared			05/06/2013	05/06/2013	05/06/2013		
Preparation Method							
Date Analyzed			05/06/2013	05/06/2013	05/06/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND		
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND		
1,1-Dichloroethane	1.30	10.0	ND	2.34J	ND		
1,2-Dichloroethane	1.57	10.0	ND	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	2.16	10.0	ND	162	13.4		
trans-1,2-Dichloroethene	2.60	10.0	ND	4.90J	ND		
1,2-Dichloropropane	0.660	10.0	ND	ND	ND		
1,3-Dichloropropane	0.920	10.0	ND	ND	ND		
2,2-Dichloropropane	1.36	10.0	ND	ND	ND		
1,1-Dichloropropene	1.12	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND		
Ethylbenzene	1.00	2.00	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND		
2-Hexanone	3.18	50.0	ND	ND	ND		
Isopropylbenzene	1.42	10.0	ND	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND		
MTBE	2.90	5.00	ND	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND		
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND		
Naphthalene	1.14	10.0	ND	ND	ND		
n-Propylbenzene	1.14	10.0	ND	ND	ND		
Styrene	0.800	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	43.4	42.6	84.6		
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND		
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND		
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND		
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND		

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050613

Our Lab I.D.			296843	296845	296847		
Client Sample I.D.			B14-2.5	B16-2.5	B15-2.5		
Date Sampled			05/01/2013	05/01/2013	05/01/2013		
Date Prepared			05/06/2013	05/06/2013	05/06/2013		
Preparation Method							
Date Analyzed			05/06/2013	05/06/2013	05/06/2013		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichloroethene (TCE)	1.15	10.0	15.7	67.5	34.5		
Trichlorofluoromethane	3.15	10.0	ND	ND	ND		
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND		
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND		
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND		
Vinyl acetate	10.8	50.0	ND	ND	ND		
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND		
o-Xylene	1.00	2.00	ND	ND	ND		
m- & p-Xylenes	1.80	4.00	ND	ND	ND		

Our Lab I.D.			296843	296845	296847		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		112	118	119		
Dibromofluoromethane	70-120		92	93	98		
Toluene-d8	70-120		90	93	91		

QUALITY CONTROL REPORT

QC Batch No: S1C-050613

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	108	114	5.4	75-120	15					
Chlorobenzene	92	91	1.1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	87	85	2.3	75-120	15					
MTBE	85	81	4.8	75-120	15					
Toluene (Methyl benzene)	101	102	<1	75-120	15					
Trichloroethene (TCE)	97	97	<1	75-120	15					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A, CA

Page: **19**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050313

Our Lab I.D.			**296849**	**296851**			
Client Sample I.D.			B17-2.5	B18-2.5			
Date Sampled			05/01/2013	05/01/2013			
Date Prepared			05/04/2013	05/04/2013			
Preparation Method							
Date Analyzed			05/04/2013	05/04/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	12.7	50.0	ND	ND			
Benzene	0.930	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND			
Bromoform (Tribromomethane)	3.39	50.0	ND	ND			
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND			
n-Butylbenzene	2.05	10.0	ND	ND			
sec-Butylbenzene	3.04	10.0	ND	ND			
tert-Butylbenzene	1.34	10.0	ND	ND			
Carbon disulfide	5.53	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND			
Chlorobenzene	0.890	10.0	ND	ND			
Chloroethane	2.15	30.0	ND	ND			
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND			
Chloroform (Trichloromethane)	1.24	10.0	ND	ND			
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND			
Dibromochloromethane	0.650	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND			
Dibromomethane	2.30	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND			

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050313

Our Lab I.D.			296849	296851			
Client Sample I.D.			B17-2.5	B18-2.5			
Date Sampled			05/01/2013	05/01/2013			
Date Prepared			05/04/2013	05/04/2013			
Preparation Method							
Date Analyzed			05/04/2013	05/04/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND			
Dichlorodifluoromethane	2.07	30.0	ND	ND			
1,1-Dichloroethane	1.30	10.0	ND	ND			
1,2-Dichloroethane	1.57	10.0	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND			
cis-1,2-Dichloroethene	2.16	10.0	ND	ND			
trans-1,2-Dichloroethene	2.60	10.0	ND	ND			
1,2-Dichloropropane	0.660	10.0	ND	ND			
1,3-Dichloropropane	0.920	10.0	ND	ND			
2,2-Dichloropropane	1.36	10.0	ND	ND			
1,1-Dichloropropene	1.12	10.0	ND	ND			
cis-1,3-Dichloropropene	0.980	10.0	ND	ND			
trans-1,3-Dichloropropene	0.960	10.0	ND	ND			
Ethylbenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND			
2-Hexanone	3.18	50.0	ND	ND			
Isopropylbenzene	1.42	10.0	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND			
MTBE	2.90	5.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND			
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND			
Naphthalene	1.14	10.0	ND	ND			
n-Propylbenzene	1.14	10.0	ND	ND			
Styrene	0.800	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND			
Toluene (Methyl benzene)	1.00	2.00	ND	ND			
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND			
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND			
1,1,1-Trichloroethane	2.03	10.0	ND	ND			
1,1,2-Trichloroethane	1.74	10.0	ND	ND			

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56840	05/01/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050313

Our Lab I.D.			296849	296851			
Client Sample I.D.			B17-2.5	B18-2.5			
Date Sampled			05/01/2013	05/01/2013			
Date Prepared			05/04/2013	05/04/2013			
Preparation Method							
Date Analyzed			05/04/2013	05/04/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	1.15	10.0	1.86J	ND			
Trichlorofluoromethane	3.15	10.0	ND	ND			
1,2,3-Trichloropropane	1.74	10.0	ND	ND			
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND			
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND			
Vinyl acetate	10.8	50.0	ND	ND			
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND			
o-Xylene	1.00	2.00	ND	ND			
m- & p-Xylenes	1.80	4.00	ND	ND			

Our Lab I.D.			296849	296851			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		92	99			
Dibromofluoromethane	70-120		94	98			
Toluene-d8	70-120		96	96			

QUALITY CONTROL REPORT

QC Batch No: S2C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	103	104	<1	75-120	15					
Chlorobenzene	87	91	4.5	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	93	97	4.2	75-120	15					
MTBE	102	103	<1	75-120	15					
Toluene (Methyl benzene)	97	98	1.0	75-120	15					
Trichloroethene (TCE)	102	101	<1	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Reid Shigeno

Number of Pages 8
Date Received 04/30/2013
Date Reported 05/07/2013

Job Number	Ordered	Client
56816	04/30/2013	ALTAEN

Project ID: MCGU-13-2252
Project Name: Panama Site
Site: 12964 Panama St.
L.A., CA

Enclosed are the results of analyses on 1 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# No 63966 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56816

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St LA, CA	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877		Address:	
Special Instruction:	Project ID: MCGU 13-2252		
E-mail: reid.shigenaga@altaenviron.com jonathan.barkman e " "	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH-cc 8015M	VOCs 8260B	TPH Metals 6010B/7471A	Archive	Remarks
	296765	B36A	4/30/13	825	6	VOA Amber Plastic	H2O		X	X	X		
		~~B36~~ B36-2.5		840	1	Tube	Soil					X	
		-5		850								X	
		-10		900								X	
		B35-2.5		950								X	
		-5		1000								X	
		-10		1010								X	
		B33-2.5		1045								X	
		-5		1055								X	
		-10		1105								X	

Collected By:	Date	Time	Relinquished By:	Date	Time
Relinquished By:	Date 4/30/13	Time 1430	Received For Laboratory	Date 4-30-13	Time 1432
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

COC# № 63965 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56816

CHAIN OF CUSTODY RECORD

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St	Invoice To:	
Telephone: Fax: 562-495-5777 5827	LA, CA	Address:	
Special Instruction:	Project ID: MCGU-13-2252		
E-mail: reid.shigemoto@altaenviron.com jonathan.barkmeyer@altaenviron.com	Project Manager: Mike Cassidy	P.O.#:	

Archive

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Archive	Remarks
		B34-2.5	4/30/13	1245	1	Tube	Soil		X	
		-5		1250	1	↓	↓		X	
		-10		1300	1				X	
		B30-2.5		1340	1				X	
		-5		1350	1				X	
		-10		1400	1	↓	↓		X	

Collected By:		Date	Time	Relinquished By:	Date Time
Relinquished By:		Date 4/30/13	Time 1420	Received For Laboratory	Date 4-30-13 Time 14:20
Received By:		Date	Time	Condition of Sample:	

TAT ☒ Normal ☐ Rush

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: **2**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

QC Batch No: 050313-1

Our Lab I.D.			**296765**				
Client Sample I.D.			B36A				
Date Sampled			04/30/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/06/2013				
Matrix			Water				
Units			mg/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
AA Metals							
Mercury	0.0001	0.0005	ND				
ICP Metals							
Antimony	0.0040	0.0100	ND				
Arsenic	0.0030	0.0100	ND				
Barium	0.0010	0.0100	0.0790				
Beryllium	0.0007	0.0050	ND				
Cadmium	0.0007	0.0050	ND				
Chromium	0.0010	0.0100	ND				
Cobalt	0.0010	0.0100	ND				
Copper	0.0010	0.0100	ND				
Lead	0.0020	0.0050	ND				
Molybdenum	0.0010	0.0100	0.0205				
Nickel	0.0020	0.0100	0.0044J				
Selenium	0.0040	0.0100	ND				
Silver	0.0010	0.0100	ND				
Thallium	0.0030	0.0100	ND				
Vanadium	0.0010	0.0100	0.0052J				
Zinc	0.0070	0.0100	ND				

QUALITY CONTROL REPORT

QC Batch No: 050313-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
AA Metals										
Mercury	105	112	6.5	80-120	20					
ICP Metals										
Antimony	96	94	1.7	80-120	20					
Arsenic	91	93	2.1	80-120	20					

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 050313-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Barium	95	96	1.3	80-120	20					
Beryllium	104	104	<1	80-120	20					
Cadmium	94	96	1.5	80-120	20					
Chromium	93	95	1.5	80-120	20					
Cobalt	95	96	<1	80-120	20					
Copper	96	96	<1	80-120	20					
Lead	93	95	1.7	80-120	20					
Molybdenum	94	95	1.4	80-120	20					
Nickel	94	96	1.9	80-120	20					
Selenium	94	94	<1	80-120	20					
Silver	99	88	11.4	80-120	20					
Thallium	98	101	3.5	80-120	20					
Vanadium	93	95	1.6	80-120	20					
Zinc	102	104	1.9	80-120	20					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1P-050113

Our Lab I.D.			**296765**				
Client Sample I.D.			B36A				
Date Sampled			04/30/2013				
Date Prepared			05/01/2013				
Preparation Method							
Date Analyzed			05/01/2013				
Matrix			Water				
Units			mg/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH DROs (C10 to C28)	0.0500	0.500	ND				
TPH OROs (C28+)	0.170	0.500	ND				

Our Lab I.D.			**296765**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Chlorobenzene	70-120		106				

QUALITY CONTROL REPORT

QC Batch No: W1P-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	97	1.0	75-120	<20					

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ANALYTICAL RESULTS

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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1-050113

Our Lab I.D.			**296765**				
Client Sample I.D.			B36A				
Date Sampled			04/30/2013				
Date Prepared			05/01/2013				
Preparation Method							
Date Analyzed			05/01/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH GROs (C6 to C10)	50.0	50.0	ND				

Our Lab I.D.			**296765**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		91				

QUALITY CONTROL REPORT

QC Batch No: W1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
TPH GROs (C6 to C10)	105	105	<1	75-120	<20					

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ANALYTICAL RESULTS

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Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: 6

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.			296765				
Client Sample I.D.			B36A				
Date Sampled			04/30/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	2.52	5.00	ND				
Benzene	0.0970	1.00	ND				
Bromobenzene (Phenyl bromide)	0.291	1.00	ND				
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND				
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND				
Bromoform (Tribromomethane)	0.284	5.00	ND				
Bromomethane (Methyl bromide)	0.174	3.00	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND				
n-Butylbenzene	0.363	1.00	ND				
sec-Butylbenzene	0.338	1.00	ND				
tert-Butylbenzene	0.235	1.00	ND				
Carbon disulfide	0.463	1.00	ND				
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND				
Chlorobenzene	0.176	1.00	ND				
Chloroethane	0.328	3.00	ND				
2-Chloroethyl vinyl ether	0.665	5.00	ND				
Chloroform (Trichloromethane)	0.247	1.00	ND				
Chloromethane (Methyl chloride)	0.174	3.00	ND				
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND				
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND				
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND				
Dibromochloromethane	0.300	1.00	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND				
Dibromomethane	0.316	1.00	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.			296765				
Client Sample I.D.			B36A				
Date Sampled			04/30/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND				
Dichlorodifluoromethane	0.244	3.00	ND				
1,1-Dichloroethane	0.372	1.00	ND				
1,2-Dichloroethane	0.182	1.00	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND				
cis-1,2-Dichloroethene	0.279	1.00	ND				
trans-1,2-Dichloroethene	0.176	1.00	ND				
1,2-Dichloropropane	0.359	1.00	ND				
1,3-Dichloropropane	0.205	1.00	ND				
2,2-Dichloropropane	0.341	1.00	ND				
1,1-Dichloropropene	0.210	1.00	ND				
cis-1,3-Dichloropropene	0.122	1.00	ND				
trans-1,3-Dichloropropene	0.100	1.00	ND				
Ethylbenzene	0.209	1.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND				
2-Hexanone	0.944	5.00	ND				
Isopropylbenzene	0.291	1.00	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND				
MTBE	0.240	2.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND				
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND				
Naphthalene	0.375	1.00	ND				
n-Propylbenzene	0.254	1.00	ND				
Styrene	0.122	1.00	ND				
1,1,1,2-Tetrachloroethane	0.141	1.00	ND				
1,1,2,2-Tetrachloroethane	0.579	1.00	ND				
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	ND				
Toluene (Methyl benzene)	0.282	1.00	ND				
1,2,3-Trichlorobenzene	0.219	1.00	ND				
1,2,4-Trichlorobenzene	0.451	1.00	ND				
1,1,1-Trichloroethane	0.150	1.00	ND				
1,1,2-Trichloroethane	0.233	1.00	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56816	04/30/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.			296765				
Client Sample I.D.			B36A				
Date Sampled			04/30/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	0.117	1.00	ND				
Trichlorofluoromethane	0.294	1.00	ND				
1,2,3-Trichloropropane	0.303	1.00	ND				
1,2,4-Trimethylbenzene	0.451	1.00	ND				
1,3,5-Trimethylbenzene	0.219	1.00	ND				
Vinyl acetate	1.62	5.00	ND				
Vinyl chloride (Chloroethene)	0.331	3.00	ND				
o-Xylene	0.262	1.00	ND				
m- & p-Xylenes	0.476	2.00	ND				

Our Lab I.D.			296765				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		92				
Dibromofluoromethane	70-120		94				
Toluene-d8	70-120		99				

QUALITY CONTROL REPORT

QC Batch No: W1C-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	110	8.5	75-120	15					
Chlorobenzene	91	91	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	94	91	3.2	75-120	15					
MTBE	116	116	<1	75-120	15					
Toluene (Methyl benzene)	102	107	4.8	75-120	15					
Trichloroethene (TCE)	101	103	2.0	75-120	15					

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Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Reid Shigeno

Number of Pages 26
Date Received 04/29/2013
Date Reported 05/06/2013

Job Number	Ordered	Client
56803	04/29/2013	ALTAEN

Project ID: MCGU-13-2252
Project Name: Panama Site
Site: 12964 Panama St.
L.A., CA

Enclosed are the results of analyses on 12 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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CHAIN OF CUSTODY RECORD

COC# № 62817 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56803

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 17964 Panama, CA LA, CA	Invoice To:	
Telephone: Fax: 562-495-5777 5807		Address:	
Special Instruction:	Project ID: MCGU-13-7252		
E-mail: reid.shigenaga@altaenvironcen jonathon.barkman@altaenvirn.com	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH-cc 8015M	VOCs 8260 B	Title 22 Metals (Cr VI/Ni/Zn/As)	Archive	Remarks
1	296696	B12-2.5	4/29/13	750	6	5035 Tube	Soil		X	X	X		
2	296697	-5		800	6	↓			X	X	X		
		-10		810	1	Tube						X	
3	296698	B13-2.5		825	6	5035 Tube			X	X	X		
4	296699	-5		835	6	↓			X	X	X		
		-10		~~840~~ 845	1	Tube						X	
5	296700	B11-2.5		~~920~~ 910	6	5035 Tube			X	X	X		
6	296701	-5		~~930~~ 920	6	↓			X	X	X		
		-10		930	1	Tube						X	
		B5-2.5		1030	~~6~~ 1	~~5035~~ Tube		no	~~X~~	~~X~~	~~X~~	X	Archive

Collected By:	Date 4/29/13	Time	Relinquished By:	Date Time
Relinquished By:	Date 4/30/13	Time 1500	Received For Laboratory Alla	Date 4-29-13 Time 15:00
Received By:	Date	Time	Condition of Sample:	

TAT ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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COC# № 62818 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56803

CHAIN OF CUSTODY RECORD

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Anna Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St LA, CA	Invoice To:	
Telephone: Fax: 562-495-5777 5877		Address:	
Special Instruction:	Project ID: MCGH-13-7252		
E-mail: reid.shigenoe@altaenvision.com jonathan.backman@altaenvision.com	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH-cc 8015M	VOCs 8260B	T22 Metals 6010/7471A Archive										Remarks
7	296702	B5-5	4/29/13	1040	6	5035 Tube	Soil		X	X	X										
8	296703	-10		1050	6	5035 Tube			X	X	X	X									
9	296704	B6-2.5		1115	6	5035 Tube			X	X	X										
10	296705	-5		1135	6	5035 Tube			X	X	X										
		-10		1215	1	Tube					X										
11	296706	B4-2.5		1320	6	5035 Tube			X	X	X										
12	296707	-5		1330	6	5035 Tube			X	X	X										
		-10		1400	1	Tube					X										
		B32-2.5		1430	6	5035 Tube			~~X~~	~~X~~	~~X~~	X									(Hold) by Reid
		-5		1450	6	5035 Tube			~~X~~	~~X~~	~~X~~	X									(Hold) by Reid

Collected By: [signature]	Date 4/29/13 Time	Relinquished By:	Date Time
Relinquished By: [signature]	Date 4/29/13 Time 1500	Received For Laboratory [signature]	Date 4-29-13 Time 15:00
Received By:	Date Time	Condition of Sample:	

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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COC# Nº 62820 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56803

Company: Alta Environmental		Report To:	ANALYSIS REQUESTED
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama LA, CA	Invoice To:	
Telephone: Fax: 562-495-5777		Address:	
Special Instruction:	Project ID: MCCU-13-225		
E-mail:	Project Manager: Mike Cassidy	P.O.#:	

Archive

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation		Remarks
		B32-10	4/24/13		1	Tube	Soil		X	

Collected By:		Date 4/24/13	Time	Relinquished By:	Date Time
Relinquished By:		Date 4/24/13	Time 1500	Received For Laboratory: Alex	Date 4-29-13 Time 15:00
Received By:		Date	Time	Condition of Sample:	

TAT ☐ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

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ANALYTICAL RESULTS

Ordered By

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3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: **2**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050213-2

Our Lab I.D.		296696	296697	296698	296699	296700
Client Sample I.D.		B12-2.5	B12-5	B13-2.5	B13-5	B11-2.5
Date Sampled		04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	0.127	ND	0.0703	ND	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	1.75	11.1	3.09	13.3	1.47
Barium	0.500	96.7	191	99.5	138	108
Beryllium	0.500	ND	0.501	ND	0.536	ND
Cadmium	0.500	1.84	3.10	2.17	2.64	1.95
Chromium	0.500	26.8	29.6	30.0	31.0	28.7
Cobalt	0.500	7.25	9.53	7.71	8.18	8.07
Copper	0.500	131	27.2	153	29.5	94.0
Lead	0.250	13.0	3.71	26.2	4.55	11.7
Molybdenum	0.500	ND	5.02	ND	3.61	ND
Nickel	0.500	20.0	29.1	21.7	30.0	22.6
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	36.2	59.8	38.1	66.5	40.2
Zinc	0.500	73.5	52.1	94.6	57.3	76.3

QUALITY CONTROL REPORT

QC Batch No: 050213-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	90	80-120								
ICP Metals										
Antimony	91	80-120								
Arsenic	93	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 050213-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**96**	**80-120**								
Beryllium	**104**	**80-120**								
Cadmium	**96**	**80-120**								
Chromium	**95**	**80-120**								
Cobalt	**97**	**80-120**								
Copper	**96**	**80-120**								
Lead	**95**	**80-120**								
Molybdenum	**95**	**80-120**								
Nickel	**97**	**80-120**								
Selenium	**93**	**80-120**								
Silver	**86**	**80-120**								
Thallium	**102**	**80-120**								
Vanadium	**95**	**80-120**								
Zinc	**104**	**80-120**								

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ANALYTICAL RESULTS

Ordered By

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Attn: Reid Shigeno

Site

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050213-2

Our Lab I.D.		296701	296702	296703	296704	296705
Client Sample I.D.		B11-5	B5-5	B5-10	B6-2.5	B6-5
Date Sampled		04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method						
Date Analyzed		05/06/2013	05/06/2013	05/06/2013	05/06/2013	05/06/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	0.127	ND	0.0703	0.0599	ND
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	7.11	4.28	6.71	1.49	9.04
Barium	0.500	161	146	96.9	106	87.8
Beryllium	0.500	0.513	ND	ND	ND	0.508
Cadmium	0.500	2.07	2.27	1.93	2.19	2.22
Chromium	0.500	32.4	29.4	25.0	33.9	30.4
Cobalt	0.500	9.88	6.34	6.92	8.66	8.15
Copper	0.500	28.7	23.6	23.8	127	27.0
Lead	0.250	3.69	3.43	2.92	10.3	4.30
Molybdenum	0.500	2.31	1.61	0.783	ND	1.85
Nickel	0.500	30.6	24.6	23.8	23.7	26.1
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	53.8	47.1	45.4	41.4	54.8
Zinc	0.500	57.6	51.0	49.5	79.3	58.5

QUALITY CONTROL REPORT

QC Batch No: 050213-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	90	80-120								
ICP Metals										
Antimony	91	80-120								
Arsenic	93	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 050213-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**96**	**80-120**								
Beryllium	**104**	**80-120**								
Cadmium	**96**	**80-120**								
Chromium	**95**	**80-120**								
Cobalt	**97**	**80-120**								
Copper	**96**	**80-120**								
Lead	**95**	**80-120**								
Molybdenum	**95**	**80-120**								
Nickel	**97**	**80-120**								
Selenium	**93**	**80-120**								
Silver	**86**	**80-120**								
Thallium	**102**	**80-120**								
Vanadium	**95**	**80-120**								
Zinc	**104**	**80-120**								

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050213-2

Our Lab I.D.		**296706**	**296707**			
Client Sample I.D.		B4-2.5	B4-5			
Date Sampled		**04/29/2013**	**04/29/2013**			
Date Prepared		**05/02/2013**	**05/02/2013**			
Preparation Method						
Date Analyzed		**05/06/2013**	**05/06/2013**			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Dilution Factor		1	1			
Analytes	**PQL**	**Results**	**Results**			
AA Metals						
Mercury	**0.0500**	**0.638**	**ND**			
ICP Metals						
Antimony	**0.500**	**ND**	**ND**			
Arsenic	**0.250**	**7.51**	**6.05**			
Barium	**0.500**	**341**	**124**			
Beryllium	**0.500**	**ND**	**ND**			
Cadmium	**0.500**	**3.37**	**2.02**			
Chromium	**0.500**	**35.3**	**31.3**			
Cobalt	**0.500**	**18.7**	**7.73**			
Copper	**0.500**	**160**	**27.2**			
Lead	**0.250**	**11.5**	**4.07**			
Molybdenum	**0.500**	**4.82**	**2.35**			
Nickel	**0.500**	**32.3**	**25.1**			
Selenium	**0.500**	**ND**	**ND**			
Silver	**0.500**	**ND**	**ND**			
Thallium	**0.500**	**ND**	**ND**			
Vanadium	**0.500**	**57.4**	**42.1**			
Zinc	**0.500**	**81.8**	**55.8**			

QUALITY CONTROL REPORT

QC Batch No: 050213-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	**90**	**80-120**								
ICP Metals										
Antimony	**91**	**80-120**								
Arsenic	**93**	**80-120**								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 050213-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	**96**	**80-120**								
Beryllium	**104**	**80-120**								
Cadmium	**96**	**80-120**								
Chromium	**95**	**80-120**								
Cobalt	**97**	**80-120**								
Copper	**96**	**80-120**								
Lead	**95**	**80-120**								
Molybdenum	**95**	**80-120**								
Nickel	**97**	**80-120**								
Selenium	**93**	**80-120**								
Silver	**86**	**80-120**								
Thallium	**102**	**80-120**								
Vanadium	**95**	**80-120**								
Zinc	**104**	**80-120**								

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050213

Our Lab I.D.			296696	296697	296698	296699	296700
Client Sample I.D.			B12-2.5	B12-5	B13-2.5	B13-5	B11-2.5
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DROs (C10 to C28)	1.00	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	17.0	50.0	ND	ND	ND	ND	ND

Our Lab I.D.			296696	296697	296698	296699	296700
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Chlorobenzene	70-120		89	86	86	87	87

QUALITY CONTROL REPORT

QC Batch No: S1D-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	99	96	3.1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050213

Our Lab I.D.			**296701**				
Client Sample I.D.			B11-5				
Date Sampled			04/29/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH DROs (C10 to C28)	1.00	10.0	ND				
TPH OROs (C28+)	17.0	50.0	ND				

Our Lab I.D.			**296701**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Chlorobenzene	70-120		86				

QUALITY CONTROL REPORT

QC Batch No: S1D-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	99	96	3.1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1P-050213

Our Lab I.D.			296702	296703	296704	296705	296706
Client Sample I.D.			B5-5	B5-10	B6-2.5	B6-5	B4-2.5
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DROs (C10 to C28)	1.00	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	17.0	50.0	ND	ND	ND	ND	ND

Our Lab I.D.			296702	296703	296704	296705	296706
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Chlorobenzene	70-120		105	104	106	107	105

QUALITY CONTROL REPORT

QC Batch No: S1P-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	97	97	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S2P-050313

Our Lab I.D.			**296707**				
Client Sample I.D.			B4-5				
Date Sampled			04/29/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/04/2013				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH DROs (C10 to C28)	1.00	10.0	ND				
TPH OROs (C28+)	17.0	50.0	ND				

Our Lab I.D.			**296707**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Chlorobenzene	70-120		107				

QUALITY CONTROL REPORT

QC Batch No: S2P-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	100	100	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050213

Our Lab I.D.			296696	296697	296698	296699	296700
Client Sample I.D.			B12-2.5	B12-5	B13-2.5	B13-5	B11-2.5
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH GROs (C6 to C10)	0.200	0.500	ND	ND	ND	ND	ND

Our Lab I.D.			296696	296697	296698	296699	296700
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		110	90	104	85	80

QUALITY CONTROL REPORT

QC Batch No: S1-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	88	90	2.2	75-120	<20					
Toluene	84	85	1.2	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050213

Our Lab I.D.			296701	296702	296703	296705	296707
Client Sample I.D.			B11-5	B5-5	B5-10	B6-5	B4-5
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH GROs (C6 to C10)	0.200	0.500	ND	ND	ND	ND	ND

Our Lab I.D.			296701	296702	296703	296705	296707
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		118	81	112	101	83

QUALITY CONTROL REPORT

QC Batch No: S1-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	88	90	2.2	75-120	<20					
Toluene	84	85	1.2	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050213

Our Lab I.D.			**296704**	**296706**			
Client Sample I.D.			B6-2.5	B4-2.5			
Date Sampled			04/29/2013	04/29/2013			
Date Prepared			05/03/2013	05/03/2013			
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH GROs (C6 to C10)	0.200	0.500	ND	ND			

Our Lab I.D.			**296704**	**296706**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		107	79			

QUALITY CONTROL REPORT

QC Batch No: S2-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	88	90	2.2	75-120	<20					
Toluene	84	86	2.4	75-120	<20					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			296697	296699	296700	296702	296703
Client Sample I.D.			B12-5	B13-5	B11-2.5	B5-5	B5-10
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	ND	ND	ND
Benzene	0.930	2.00	ND	ND	4.04	ND	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	3.24J	ND	5.20J	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			296697	296699	296700	296702	296703
Client Sample I.D.			B12-5	B13-5	B11-2.5	B5-5	B5-10
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	218	132	108	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	7.60J	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND	133	2.34J	2.48J
Toluene (Methyl benzene)	1.00	2.00	ND	ND	3.06	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			296697	296699	296700	296702	296703
Client Sample I.D.			B12-5	B13-5	B11-2.5	B5-5	B5-10
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	ND	69.2	5.10J	6.30J
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			296697	296699	296700	296702	296703
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		96	102	116	108	109
Dibromofluoromethane	70-120		104	108	116	110	105
Toluene-d8	70-120		101	102	96	100	99

QUALITY CONTROL REPORT

QC Batch No: S1B-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	91	<1	75-120	15					
Chlorobenzene	104	103	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	87	86	1.2	75-120	15					
MTBE	94	90	4.3	75-120	15					
Toluene (Methyl benzene)	100	98	2.0	75-120	15					
Trichloroethene (TCE)	96	93	3.2	75-120	15					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
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Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			296704	296705	296706	296707	
Client Sample I.D.			B6-2.5	B6-5	B4-2.5	B4-5	
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	12.7	50.0	24.0J	ND	ND	ND	
Benzene	0.930	2.00	1.22J	ND	1.68J	ND	
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	
Chloroethane	2.15	30.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	
Dibromomethane	2.30	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			296704	296705	296706	296707	
Client Sample I.D.			B6-2.5	B6-5	B4-2.5	B4-5	
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	2.16	10.0	2.84J	ND	9.18J	ND	
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	
2-Hexanone	3.18	50.0	ND	ND	ND	ND	
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	
MTBE	2.90	5.00	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	
Naphthalene	1.14	10.0	ND	ND	ND	ND	
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	
Styrene	0.800	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	30.0	1.66J	110	10.7	
Toluene (Methyl benzene)	1.00	2.00	ND	ND	1.18J	ND	
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			296704	296705	296706	296707	
Client Sample I.D.			B6-2.5	B6-5	B4-2.5	B4-5	
Date Sampled			04/29/2013	04/29/2013	04/29/2013	04/29/2013	
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Trichloroethene (TCE)	1.15	10.0	58.0	4.60J	300	31.4	
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	
o-Xylene	1.00	2.00	ND	ND	ND	ND	
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	

Our Lab I.D.			296704	296705	296706	296707	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		118	106	116	111	
Dibromofluoromethane	70-120		116	108	116	111	
Toluene-d8	70-120		98	100	94	101	

QUALITY CONTROL REPORT

QC Batch No: S1B-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	91	<1	75-120	15					
Chlorobenzene	104	103	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	87	86	1.2	75-120	15					
MTBE	94	90	4.3	75-120	15					
Toluene (Methyl benzene)	100	98	2.0	75-120	15					
Trichloroethene (TCE)	96	93	3.2	75-120	15					

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			**296701**				
Client Sample I.D.			B11-5				
Date Sampled			04/29/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/03/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	12.7	50.0	ND				
Benzene	0.930	2.00	ND				
Bromobenzene (Phenyl bromide)	3.39	10.0	ND				
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND				
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND				
Bromoform (Tribromomethane)	3.39	50.0	ND				
Bromomethane (Methyl bromide)	2.75	30.0	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND				
n-Butylbenzene	2.05	10.0	ND				
sec-Butylbenzene	3.04	10.0	ND				
tert-Butylbenzene	1.34	10.0	ND				
Carbon disulfide	5.53	10.0	ND				
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND				
Chlorobenzene	0.890	10.0	ND				
Chloroethane	2.15	30.0	ND				
2-Chloroethyl vinyl ether	5.53	50.0	ND				
Chloroform (Trichloromethane)	1.24	10.0	ND				
Chloromethane (Methyl chloride)	1.74	30.0	ND				
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND				
Dibromochloromethane	0.650	10.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND				
Dibromomethane	2.30	10.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND				

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Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			296701				
Client Sample I.D.			B11-5				
Date Sampled			04/29/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/03/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND				
Dichlorodifluoromethane	2.07	30.0	ND				
1,1-Dichloroethane	1.30	10.0	ND				
1,2-Dichloroethane	1.57	10.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND				
cis-1,2-Dichloroethene	2.16	10.0	9.40J				
trans-1,2-Dichloroethene	2.60	10.0	ND				
1,2-Dichloropropane	0.660	10.0	ND				
1,3-Dichloropropane	0.920	10.0	ND				
2,2-Dichloropropane	1.36	10.0	ND				
1,1-Dichloropropene	1.12	10.0	ND				
cis-1,3-Dichloropropene	0.980	10.0	ND				
trans-1,3-Dichloropropene	0.960	10.0	ND				
Ethylbenzene	1.00	2.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND				
2-Hexanone	3.18	50.0	ND				
Isopropylbenzene	1.42	10.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND				
MTBE	2.90	5.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND				
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND				
Naphthalene	1.14	10.0	ND				
n-Propylbenzene	1.14	10.0	ND				
Styrene	0.800	10.0	ND				
1,1,1,2-Tetrachloroethane	1.28	10.0	ND				
1,1,2,2-Tetrachloroethane	3.25	10.0	ND				
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	3.78J				
Toluene (Methyl benzene)	1.00	2.00	ND				
1,2,3-Trichlorobenzene	1.23	10.0	ND				
1,2,4-Trichlorobenzene	2.82	10.0	ND				
1,1,1-Trichloroethane	2.03	10.0	ND				
1,1,2-Trichloroethane	1.74	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			296701				
Client Sample I.D.			B11-5				
Date Sampled			04/29/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/03/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	1.15	10.0	3.46J				
Trichlorofluoromethane	3.15	10.0	ND				
1,2,3-Trichloropropane	1.74	10.0	ND				
1,2,4-Trimethylbenzene	3.19	10.0	ND				
1,3,5-Trimethylbenzene	1.23	10.0	ND				
Vinyl acetate	10.8	50.0	ND				
Vinyl chloride (Chloroethene)	2.79	30.0	ND				
o-Xylene	1.00	2.00	ND				
m- & p-Xylenes	1.80	4.00	ND				

Our Lab I.D.			296701				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		87				
Dibromofluoromethane	70-120		100				
Toluene-d8	70-120		94				

QUALITY CONTROL REPORT

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	105	104	<1	75-120	15					
Chlorobenzene	90	93	3.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15					
MTBE	94	102	8.2	75-120	15					
Toluene (Methyl benzene)	101	101	<1	75-120	15					
Trichloroethene (TCE)	105	104	<1	75-120	15					

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: **24**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			296696	296698			
Client Sample I.D.			B12-2.5	B13-2.5			
Date Sampled			04/29/2013	04/29/2013			
Date Prepared			05/03/2013	05/03/2013			
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			5	5			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	63.5	250	ND	ND			
Benzene	4.65	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	17.0	50.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	1.90	50.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	3.15	50.0	ND	ND			
Bromoform (Tribromomethane)	17.0	250	ND	ND			
Bromomethane (Methyl bromide)	13.8	150	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	29.2	250	ND	ND			
n-Butylbenzene	10.3	50.0	ND	ND			
sec-Butylbenzene	15.2	50.0	ND	ND			
tert-Butylbenzene	6.70	50.0	ND	ND			
Carbon disulfide	27.7	50.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	12.4	50.0	ND	ND			
Chlorobenzene	4.45	50.0	ND	ND			
Chloroethane	10.8	150	ND	ND			
2-Chloroethyl vinyl ether	27.7	250	ND	ND			
Chloroform (Trichloromethane)	6.20	50.0	ND	ND			
Chloromethane (Methyl chloride)	8.70	150	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	6.70	50.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	11.8	50.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	13.5	250	ND	ND			
Dibromochloromethane	3.25	50.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	13.8	50.0	ND	ND			
Dibromomethane	11.5	50.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	5.15	50.0	120	42.5J			
1,3-Dichlorobenzene (m-Dichlorobenzene)	8.25	50.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			296696	296698			
Client Sample I.D.			B12-2.5	B13-2.5			
Date Sampled			04/29/2013	04/29/2013			
Date Prepared			05/03/2013	05/03/2013			
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			5	5			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	11.2	50.0	ND	ND			
Dichlorodifluoromethane	10.4	150	ND	ND			
1,1-Dichloroethane	6.50	50.0	ND	ND			
1,2-Dichloroethane	7.85	50.0	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	8.00	50.0	ND	ND			
cis-1,2-Dichloroethene	10.8	50.0	4190	1810			
trans-1,2-Dichloroethene	13.0	50.0	70.0	26.0J			
1,2-Dichloropropane	3.30	50.0	ND	ND			
1,3-Dichloropropane	4.60	50.0	ND	ND			
2,2-Dichloropropane	6.80	50.0	ND	ND			
1,1-Dichloropropene	5.60	50.0	ND	ND			
cis-1,3-Dichloropropene	4.90	50.0	ND	ND			
trans-1,3-Dichloropropene	4.80	50.0	ND	ND			
Ethylbenzene	5.00	10.0	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	13.9	150	ND	ND			
2-Hexanone	15.9	250	ND	ND			
Isopropylbenzene	7.10	50.0	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	19.3	50.0	ND	ND			
MTBE	14.5	25.0	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	15.7	250	ND	ND			
Methylene chloride (Dichloromethane, DCM)	16.6	250	ND	ND			
Naphthalene	5.70	50.0	ND	ND			
n-Propylbenzene	5.70	50.0	ND	ND			
Styrene	4.00	50.0	ND	ND			
1,1,1,2-Tetrachloroethane	6.40	50.0	ND	ND			
1,1,2,2-Tetrachloroethane	16.3	50.0	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	4.65	50.0	59.0	22.0J			
Toluene (Methyl benzene)	5.00	10.0	ND	ND			
1,2,3-Trichlorobenzene	6.15	50.0	ND	ND			
1,2,4-Trichlorobenzene	14.1	50.0	ND	ND			
1,1,1-Trichloroethane	10.2	50.0	ND	ND			
1,1,2-Trichloroethane	8.70	50.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56803	04/29/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			296696	296698			
Client Sample I.D.			B12-2.5	B13-2.5			
Date Sampled			04/29/2013	04/29/2013			
Date Prepared			05/03/2013	05/03/2013			
Preparation Method							
Date Analyzed			05/03/2013	05/03/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			5	5			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	5.75	50.0	160	ND			
Trichlorofluoromethane	15.8	50.0	ND	ND			
1,2,3-Trichloropropane	8.70	50.0	ND	ND			
1,2,4-Trimethylbenzene	16.0	50.0	ND	ND			
1,3,5-Trimethylbenzene	6.15	50.0	ND	ND			
Vinyl acetate	54.0	250	ND	ND			
Vinyl chloride (Chloroethene)	14.0	150	ND	ND			
o-Xylene	5.00	10.0	ND	ND			
m- & p-Xylenes	9.00	20.0	ND	ND			

Our Lab I.D.			296696	296698			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		81	81			
Dibromofluoromethane	70-120		93	83			
Toluene-d8	70-120		81	101			

QUALITY CONTROL REPORT

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	105	104	<1	75-120	15					
Chlorobenzene	90	93	3.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15					
MTBE	94	102	8.2	75-120	15					
Toluene (Methyl benzene)	101	101	<1	75-120	15					
Trichloroethene (TCE)	105	104	<1	75-120	15					

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Ordered By

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Telephone (562)495-5777
Attn Reid Shigeno

Number of Pages 3
Date Received 04/29/2013
Date Reported 05/06/2013

Job Number	Ordered	Client
56802	04/29/2013	ALTAEN

Project ID: MCGU-13-5685
Project Name: Panama Site
Site: 12964 Panama St.
L.A., CA

Enclosed are the results of analyses on 6 samples analyzed as specified on attached chain of custody.



Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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CHAIN OF CUSTODY RECORD

COC# № 62819 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56802

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St LA, CA	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877		Address:	
Special Instruction:	Project ID: MCGU-13-5685		
E-mail: reid.shigenaga@altenviron.com jonathan.bartman@altenviron.com	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED: Hex Chrome 7199/218.6; Archive

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	Hex Chrome	Archive	Remarks
1	296690	B5-2.5	4/29/13	1030	1	SS Ring	Soil		X		
2	296691	B5-5		1040					X		
		B5-10		1050						X	
3	296692	B6-2.5		1115					X		
4	296693	B6-5		1135					X		
		B6-10		1215						X	
5	296694	B4-2.5		1320					X		
6	296695	B4-5		1330					X		
		B4-10		1400						X	

Collected By:		Date 4/29/13	Time	Relinquished By:	Date Time
Relinquished By:		Date 4/29/13	Time 1502	Received For Laboratory: Alex	Date 4-29-13 Time 15:00
Received By:		Date	Time	Condition of Sample:	

TAT: ☒ Normal ☐ Rush

White - Report, Yellow - Laboratory, Pink - Client

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ANALYTICAL RESULTS

Ordered By

ALTA Environmental
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Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: **2**

Project ID: MCGU-13-5685
Project Name: Panama Site

ASL Job Number	Submitted	Client
56802	04/29/2013	ALTAEN

Method: 7199, Hexavalent Chromium by Ion Chromatography

QC Batch No: 043013-1

Our Lab I.D.		296690	296691	296692	296693	296694
Client Sample I.D.		B5-2.5	B5-5	B6-2.5	B6-5	B4-2.5
Date Sampled		04/29/2013	04/29/2013	04/29/2013	04/29/2013	04/29/2013
Date Prepared		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method						
Date Analyzed		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Conventionals						
Chromium (VI)	0.500	0.500	ND	ND	ND	ND

QUALITY CONTROL REPORT

QC Batch No: 043013-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Conventionals										
Chromium (VI)	99	102	3.0	80-120	<20					

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: **3**

Project ID: MCGU-13-5685
Project Name: Panama Site

ASL Job Number	Submitted	Client
56802	04/29/2013	ALTAEN

Method: 7199, Hexavalent Chromium by Ion Chromatography

QC Batch No: 043013-1

Our Lab I.D.		**296695**				
Client Sample I.D.		B4-5				
Date Sampled		**04/29/2013**				
Date Prepared		**04/30/2013**				
Preparation Method						
Date Analyzed		**04/30/2013**				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
Conventionals						
Chromium (VI)	**0.500**	**ND**				

QUALITY CONTROL REPORT

QC Batch No: 043013-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Conventionals										
Chromium (VI)	**99**	**102**	**3.0**	**80-120**	**<20**					

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Ordered By

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Long Beach, CA 90807-

Telephone (562)495-5777
Attn Reid Shigeno

Number of Pages 37
Date Received 04/26/2013
Date Reported 05/03/2013

Job Number	Ordered	Client
56792	04/26/2013	ALTAEN

Project ID: MCGU-13-2252
Project Name: Panama Site
Site: 12964 Panama St.
LA, CA

Enclosed are the results of analyses on 14 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

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2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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COC# № 62815 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56792

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St	Invoice To:	
Telephone: Fax: 562-495-5777 5877	LA, CA	Address:	
Special Instruction:	Project ID: MCGU-13-2252		
E-mail: reid-shigeno@altaenvion.com jonathan.baskerville@altaenvion.com	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	Lab ID	Sample ID	Date	Time	#	Container(s) Type	Matrix	Preservation	TPHcc 8015M	VOCs 8260B	TPH Mod/S GC/MS/7471A Archive	Remarks
1	296663	B25A	4/26/13	745	6	VOA Amber Plastic	H_2O		X	X	X	
		B25-2.5		820	1	Tube	Soil				X	
		-5		825	1	↓	↓				X	
		-10		830	1	↓	↓				X	
2	296664	B26A		930	6	VOA Amber Plastic	H_2O		X	X	X	
		B26-2.5		945	1	Tube	Soil				X	
		-5		950	1	↓	↓				X	
		-10		955	1	↓	↓				X	
3	296665	B1A		1025	6	VOA Amber Tube	H_2O		X	X	X	
		B1-2.5	↓	1045	6	5035 Tube	Soil		~~X~~ yes	~~X~~	~~X~~ X	

Collected By:	Date 4/26/13	Time 1330	Relinquished By:	Date 4/26/13	Time 1350
Relinquished By:	Date	Time	Received For Laboratory	Date 4-26-13	Time 13:50
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - *Report*, Yellow - *Laboratory*, Pink - *Client*

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COC# Nº 62814 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56792

CHAIN OF CUSTODY RECORD

Company: Alta Environmental	Report To:
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne
	Site Address: 12964 Panama St LA, CA
Telephone: 562-495-5777 Fax: 5877	Project ID: MCCU-B-2252
Special Instruction:	Project Manager: Mike Cassidy
E-mail: reid.shigono@altaenviron.com jonathan.bookman@altaenvironm	P.O.#:

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH-cc 8015M	VOCs 8260B	TPH Motels 6010B/7471A	Archive	Remarks
4	296666	B1-5	4/26/13	1050	6	~~Brass~~ 5035 Tube	Soil		X	X	X		
5	296667	-10		1055	6	↓	↓		X	X	X		
6	296668	B7A		1140	6	LCA Amber Plastic	H2O		X	X	X		
7	296669	B7-2.5		1200	6	5035 Tube	Soil		X	X	X		
8	296670	-5		1205	6	↓			X	X	X		
		-10		1210	1	Tube						X	
9	296671	B10 -2.5		1145	6	5035 Tube			X	X	X		
10	296672	-5		1150	6				X	X	X		
		-7.5		1215	6							X	
11	296673	B8-2.5		1230	6				X	X	X		

Collected By: [signature]	Date 4/26/13	Time 1330	Relinquished By: [signature] Date 4/26/13 Time 1350
Relinquished By:	Date	Time	Received For Laboratory [signature] Date 4.26.13 Time 13:50
Received By:	Date	Time	Condition of Sample:

TAT ☒ Normal ☐ Rush

White - *Report*, Yellow - *Laboratory*, Pink - *Client*

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COC# Nº 62816 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56792

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg Long Beach, CA 90807	Project Name: Teledyne	Address:	
	Site Address:	Invoice To:	
Telephone: 562-495-5877 Fax: 562-495-5877		Address:	
Special Instruction:	Project ID: MCGH-13-7252		
E-mail: reidSh@enoalt.com jonathan.bahman@altaenvironmental.com	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH-cc 8015M	VOCs 8260B	TPH Metal 6010B/7471A	Archive	Remarks
12	296674	B8-5	4/26/13	1340	6	5035 Tube	Soil		XX	X	X		
		-10	↓	1300	1	Tube	↓					X	
13	296675	B9-2.5		1315	6	5035 Tube			XX	X			
14	296676	-5		1320	6	↓			XX	X			
		-10	↓	1330	6	↓	↓					X	

CHAIN OF CUSTODY RECORD

Collected By: [signature]	Date 4/26/13	Time 1530	Relinquished By: [signature]	Date 4/26/13	Time 1350
Relinquished By:	Date	Time	Received For Laboratory [signature]	Date 4-26-13	Time 13:50
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

White - *Report*, Yellow - *Laboratory*, Pink - *Client*

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
LA, CA

Page: **2**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 043013-2

Our Lab I.D.		296666	296667	296669	296670	296671
Client Sample I.D.		B1-5	B1-10	B7-2.5	B7-5	B10-2.5
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	ND	ND	0.0761	ND	0.0511
ICP Metals						
Antimony	0.500	ND	ND	0.603	ND	1.09
Arsenic	0.250	14.4	8.68	2.21	4.52	1.53
Barium	0.500	185	101	106	84.4	93.6
Beryllium	0.500	0.706	ND	ND	0.574	ND
Cadmium	0.500	3.47	1.96	2.42	2.26	1.67
Chromium	0.500	43.9	28.9	34.3	33.8	24.1
Cobalt	0.500	13.4	7.97	8.26	7.35	7.25
Copper	0.500	39.3	24.5	184	28.0	42.9
Lead	0.250	5.59	3.58	12.1	4.21	3.06
Molybdenum	0.500	5.24	0.978	0.778	0.955	ND
Nickel	0.500	38.4	27.7	24.2	30.9	17.5
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	80.4	51.7	42.8	51.4	33.9
Zinc	0.500	86.8	53.7	82.5	53.4	53.4

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	110	80-120								
ICP Metals										
Antimony	99	80-120								
Arsenic	97	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	100	80-120								
Beryllium	104	80-120								
Cadmium	97	80-120								
Chromium	98	80-120								
Cobalt	98	80-120								
Copper	101	80-120								
Lead	99	80-120								
Molybdenum	97	80-120								
Nickel	98	80-120								
Selenium	99	80-120								
Silver	102	80-120								
Thallium	100	80-120								
Vanadium	99	80-120								
Zinc	98	80-120								

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 043013-2

Our Lab I.D.		296672	296673	296674	296675	
Client Sample I.D.		B10-5	B8-2.5	B8-5	B9-2.5	
Date Sampled		04/26/2013	04/26/2013	04/26/2013	04/26/2013	
Date Prepared		04/30/2013	04/30/2013	04/30/2013	04/30/2013	
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
AA Metals						
Mercury	0.0500	ND	0.0856	ND	0.103	
ICP Metals						
Antimony	0.500	ND	0.605	ND	ND	
Arsenic	0.250	8.74	1.65	3.82	3.38	
Barium	0.500	103	104	86.1	104	
Beryllium	0.500	ND	ND	ND	ND	
Cadmium	0.500	2.11	2.08	1.93	3.02	
Chromium	0.500	26.7	31.7	30.2	35.7	
Cobalt	0.500	9.73	7.70	7.61	8.29	
Copper	0.500	22.2	173	24.2	164	
Lead	0.250	3.60	10.7	3.69	17.4	
Molybdenum	0.500	3.02	ND	2.74	2.79	
Nickel	0.500	23.5	21.6	27.5	20.6	
Selenium	0.500	ND	ND	ND	ND	
Silver	0.500	ND	ND	ND	ND	
Thallium	0.500	ND	ND	ND	ND	
Vanadium	0.500	50.2	38.9	41.8	42.3	
Zinc	0.500	46.4	78.1	47.8	81.6	

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	110	80-120								
ICP Metals										
Antimony	99	80-120								
Arsenic	97	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	100	80-120								
Beryllium	104	80-120								
Cadmium	97	80-120								
Chromium	98	80-120								
Cobalt	98	80-120								
Copper	101	80-120								
Lead	99	80-120								
Molybdenum	97	80-120								
Nickel	98	80-120								
Selenium	99	80-120								
Silver	102	80-120								
Thallium	100	80-120								
Vanadium	99	80-120								
Zinc	98	80-120								

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 050113-3

Our Lab I.D.		**296676**				
Client Sample I.D.		B9-5				
Date Sampled		04/26/2013				
Date Prepared		05/01/2013				
Preparation Method						
Date Analyzed		05/02/2013				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
AA Metals						
Mercury	0.0500	ND				
ICP Metals						
Antimony	0.500	ND				
Arsenic	0.250	8.95				
Barium	0.500	104				
Beryllium	0.500	0.521				
Cadmium	0.500	2.35				
Chromium	0.500	32.8				
Cobalt	0.500	8.02				
Copper	0.500	27.9				
Lead	0.250	4.00				
Molybdenum	0.500	2.25				
Nickel	0.500	28.1				
Selenium	0.500	ND				
Silver	0.500	ND				
Thallium	0.500	ND				
Vanadium	0.500	28.6				
Zinc	0.500	50.5				

QUALITY CONTROL REPORT

QC Batch No: 050113-3

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	103	80-120								
ICP Metals										
Antimony	97	80-120								
Arsenic	96	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 050113-3

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	100	80-120								
Beryllium	102	80-120								
Cadmium	96	80-120								
Chromium	96	80-120								
Cobalt	97	80-120								
Copper	99	80-120								
Lead	98	80-120								
Molybdenum	95	80-120								
Nickel	97	80-120								
Selenium	97	80-120								
Silver	100	80-120								
Thallium	98	80-120								
Vanadium	97	80-120								
Zinc	98	80-120								

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050113

Our Lab I.D.			296666	296667	296669	296670	296671
Client Sample I.D.			B1-5	B1-10	B7-2.5	B7-5	B10-2.5
Date Sampled			04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DROs (C10 to C28)	1.00	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	17.0	50.0	ND	ND	ND	ND	ND

Our Lab I.D.			296666	296667	296669	296670	296671
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Chlorobenzene	70-120		86	87	86	85	85

QUALITY CONTROL REPORT

QC Batch No: S1D-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	98	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050113

Our Lab I.D.			296672	296673	296674	296675	296676
Client Sample I.D.			B10-5	B8-2.5	B8-5	B9-2.5	B9-5
Date Sampled			04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH DROs (C10 to C28)	1.00	10.0	ND	ND	ND	ND	ND
TPH OROs (C28+)	17.0	50.0	ND	ND	ND	ND	ND

Our Lab I.D.			296672	296673	296674	296675	296676
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Chlorobenzene	70-120		87	87	88	88	86

QUALITY CONTROL REPORT

QC Batch No: S1D-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	98	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050113

Our Lab I.D.			**296666**	**296667**			
Client Sample I.D.			B1-5	B1-10			
Date Sampled			04/26/2013	04/26/2013			
Date Prepared			05/01/2013	05/01/2013			
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH GROs (C6 to C10)	0.200	0.500	ND	ND			

Our Lab I.D.			**296666**	**296667**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		113	113			

QUALITY CONTROL REPORT

QC Batch No: S1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	90	89	1.1	75-120	<20					
Toluene	90	88	2.2	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050113

Our Lab I.D.			296669	296670	296671	296672	296673
Client Sample I.D.			B7-2.5	B7-5	B10-2.5	B10-5	B8-2.5
Date Sampled			04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH GROs (C6 to C10)	0.200	0.500	ND	ND	ND	ND	ND

Our Lab I.D.			296669	296670	296671	296672	296673
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		94	88	77	73	113

QUALITY CONTROL REPORT

QC Batch No: S2-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	83	81	2.4	75-120	<20					
Toluene	81	81	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S2-050113

Our Lab I.D.			**296674**	**296675**	**296676**		
Client Sample I.D.			B8-5	B9-2.5	B9-5		
Date Sampled			04/26/2013	04/26/2013	04/26/2013		
Date Prepared			05/02/2013	05/02/2013	05/02/2013		
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH GROs (C6 to C10)	0.200	0.500	ND	1.58	ND		

Our Lab I.D.			**296674**	**296675**	**296676**		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		116	82	116		

QUALITY CONTROL REPORT

QC Batch No: S2-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	83	81	2.4	75-120	<20					
Toluene	81	81	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			296666	296676			
Client Sample I.D.			B1-5	B9-5			
Date Sampled			04/26/2013	04/26/2013			
Date Prepared			05/02/2013	05/02/2013			
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	12.7	50.0	ND	ND			
Benzene	0.930	2.00	ND	ND			
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND			
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND			
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND			
Bromoform (Tribromomethane)	3.39	50.0	ND	ND			
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND			
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND			
n-Butylbenzene	2.05	10.0	ND	ND			
sec-Butylbenzene	3.04	10.0	ND	ND			
tert-Butylbenzene	1.34	10.0	ND	ND			
Carbon disulfide	5.53	10.0	ND	ND			
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND			
Chlorobenzene	0.890	10.0	ND	ND			
Chloroethane	2.15	30.0	ND	ND			
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND			
Chloroform (Trichloromethane)	1.24	10.0	ND	ND			
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND			
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND			
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND			
Dibromochloromethane	0.650	10.0	ND	ND			
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND			
Dibromomethane	2.30	10.0	ND	ND			
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	5.04J			
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			296666	296676			
Client Sample I.D.			B1-5	B9-5			
Date Sampled			04/26/2013	04/26/2013			
Date Prepared			05/02/2013	05/02/2013			
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND			
Dichlorodifluoromethane	2.07	30.0	ND	ND			
1,1-Dichloroethane	1.30	10.0	ND	4.36J			
1,2-Dichloroethane	1.57	10.0	ND	ND			
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND			
cis-1,2-Dichloroethene	2.16	10.0	ND	107			
trans-1,2-Dichloroethene	2.60	10.0	ND	ND			
1,2-Dichloropropane	0.660	10.0	ND	ND			
1,3-Dichloropropane	0.920	10.0	ND	ND			
2,2-Dichloropropane	1.36	10.0	ND	ND			
1,1-Dichloropropene	1.12	10.0	ND	ND			
cis-1,3-Dichloropropene	0.980	10.0	ND	ND			
trans-1,3-Dichloropropene	0.960	10.0	ND	ND			
Ethylbenzene	1.00	2.00	ND	ND			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND			
2-Hexanone	3.18	50.0	ND	ND			
Isopropylbenzene	1.42	10.0	ND	ND			
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND			
MTBE	2.90	5.00	ND	ND			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND			
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND			
Naphthalene	1.14	10.0	ND	ND			
n-Propylbenzene	1.14	10.0	ND	ND			
Styrene	0.800	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND			
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	29.6			
Toluene (Methyl benzene)	1.00	2.00	ND	ND			
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND			
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND			
1,1,1-Trichloroethane	2.03	10.0	ND	ND			
1,1,2-Trichloroethane	1.74	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			296666	296676			
Client Sample I.D.			B1-5	B9-5			
Date Sampled			04/26/2013	04/26/2013			
Date Prepared			05/02/2013	05/02/2013			
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	1.15	10.0	ND	11.3			
Trichlorofluoromethane	3.15	10.0	ND	ND			
1,2,3-Trichloropropane	1.74	10.0	ND	ND			
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND			
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND			
Vinyl acetate	10.8	50.0	ND	ND			
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND			
o-Xylene	1.00	2.00	ND	ND			
m- & p-Xylenes	1.80	4.00	ND	ND			

Our Lab I.D.			296666	296676			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		104	106			
Dibromofluoromethane	70-120		106	110			
Toluene-d8	70-120		100	101			

QUALITY CONTROL REPORT

QC Batch No: S1B-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	91	<1	75-120	15					
Chlorobenzene	104	103	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	87	86	1.2	75-120	15					
MTBE	94	90	4.3	75-120	15					
Toluene (Methyl benzene)	100	98	2.0	75-120	15					
Trichloroethene (TCE)	96	93	3.2	75-120	15					

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ANALYTICAL RESULTS

Ordered By

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Site

12964 Panama St.
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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			**296672**				
Client Sample I.D.			B10-5				
Date Sampled			04/26/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			20				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	254	1000	ND				
Benzene	18.6	40.0	ND				
Bromobenzene (Phenyl bromide)	67.8	200	ND				
Bromochloromethane (Chlorobromomethane)	7.60	200	ND				
Bromodichloromethane (Dichlorobromomethane)	12.6	200	ND				
Bromoform (Tribromomethane)	67.8	1000	ND				
Bromomethane (Methyl bromide)	55.0	600	ND				
2-Butanone (MEK, Methyl ethyl ketone)	117	1000	ND				
n-Butylbenzene	41.0	200	ND				
sec-Butylbenzene	60.8	200	ND				
tert-Butylbenzene	26.8	200	ND				
Carbon disulfide	111	200	ND				
Carbon tetrachloride (Tetrachloromethane)	49.6	200	ND				
Chlorobenzene	17.8	200	ND				
Chloroethane	43.0	600	ND				
2-Chloroethyl vinyl ether	111	1000	ND				
Chloroform (Trichloromethane)	24.8	200	ND				
Chloromethane (Methyl chloride)	34.8	600	ND				
4-Chlorotoluene (p-Chlorotoluene)	26.8	200	ND				
2-Chlorotoluene (o-Chlorotoluene)	47.0	200	ND				
1,2-Dibromo-3-chloropropane (DBCP)	53.8	1000	ND				
Dibromochloromethane	13.0	200	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	55.0	200	ND				
Dibromomethane	46.0	200	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	20.6	200	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	33.0	200	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			**296672**				
Client Sample I.D.			B10-5				
Date Sampled			04/26/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			20				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	44.6	200	ND				
Dichlorodifluoromethane	41.4	600	ND				
1,1-Dichloroethane	26.0	200	ND				
1,2-Dichloroethane	31.4	200	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	32.0	200	ND				
cis-1,2-Dichloroethene	43.2	200	ND				
trans-1,2-Dichloroethene	52.0	200	ND				
1,2-Dichloropropane	13.2	200	ND				
1,3-Dichloropropane	18.4	200	ND				
2,2-Dichloropropane	27.2	200	ND				
1,1-Dichloropropene	22.4	200	ND				
cis-1,3-Dichloropropene	19.6	200	ND				
trans-1,3-Dichloropropene	19.2	200	ND				
Ethylbenzene	20.0	40.0	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	55.4	600	ND				
2-Hexanone	63.6	1000	ND				
Isopropylbenzene	28.4	200	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	77.2	200	ND				
MTBE	58.0	100	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	62.8	1000	ND				
Methylene chloride (Dichloromethane, DCM)	66.2	1000	ND				
Naphthalene	22.8	200	ND				
n-Propylbenzene	22.8	200	ND				
Styrene	16.0	200	ND				
1,1,1,2-Tetrachloroethane	25.6	200	ND				
1,1,2,2-Tetrachloroethane	65.0	200	ND				
Tetrachloroethene (Tetrachloroethylene)	18.6	200	10500				
Toluene (Methyl benzene)	20.0	40.0	ND				
1,2,3-Trichlorobenzene	24.6	200	ND				
1,2,4-Trichlorobenzene	56.4	200	ND				
1,1,1-Trichloroethane	40.6	200	ND				
1,1,2-Trichloroethane	34.8	200	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1B-050213

Our Lab I.D.			**296672**				
Client Sample I.D.			B10-5				
Date Sampled			04/26/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			20				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	23.0	200	ND				
Trichlorofluoromethane	63.0	200	ND				
1,2,3-Trichloropropane	34.8	200	ND				
1,2,4-Trimethylbenzene	63.8	200	ND				
1,3,5-Trimethylbenzene	24.6	200	ND				
Vinyl acetate	216	1000	ND				
Vinyl chloride (Chloroethene)	55.8	600	ND				
o-Xylene	20.0	40.0	ND				
m- & p-Xylenes	36.0	80.0	72.0J				

Our Lab I.D.			**296672**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		102				
Dibromofluoromethane	70-120		100				
Toluene-d8	70-120		98				

QUALITY CONTROL REPORT

QC Batch No: S1B-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	91	91	<1	75-120	15					
Chlorobenzene	104	103	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	87	86	1.2	75-120	15					
MTBE	94	90	4.3	75-120	15					
Toluene (Methyl benzene)	100	98	2.0	75-120	15					
Trichloroethene (TCE)	96	93	3.2	75-120	15					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			**296675**				
Client Sample I.D.			B9-2.5				
Date Sampled			04/26/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/03/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	63.5	250	ND				
Benzene	4.65	10.0	ND				
Bromobenzene (Phenyl bromide)	17.0	50.0	ND				
Bromochloromethane (Chlorobromomethane)	1.90	50.0	ND				
Bromodichloromethane (Dichlorobromomethane)	3.15	50.0	ND				
Bromoform (Tribromomethane)	17.0	250	ND				
Bromomethane (Methyl bromide)	13.8	150	ND				
2-Butanone (MEK, Methyl ethyl ketone)	29.2	250	ND				
n-Butylbenzene	10.3	50.0	ND				
sec-Butylbenzene	15.2	50.0	ND				
tert-Butylbenzene	6.70	50.0	ND				
Carbon disulfide	27.7	50.0	ND				
Carbon tetrachloride (Tetrachloromethane)	12.4	50.0	ND				
Chlorobenzene	4.45	50.0	ND				
Chloroethane	10.8	150	ND				
2-Chloroethyl vinyl ether	27.7	250	ND				
Chloroform (Trichloromethane)	6.20	50.0	ND				
Chloromethane (Methyl chloride)	8.70	150	ND				
4-Chlorotoluene (p-Chlorotoluene)	6.70	50.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	11.8	50.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	13.5	250	ND				
Dibromochloromethane	3.25	50.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	13.8	50.0	ND				
Dibromomethane	11.5	50.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	5.15	50.0	77.0				
1,3-Dichlorobenzene (m-Dichlorobenzene)	8.25	50.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			**296675**				
Client Sample I.D.			B9-2.5				
Date Sampled			04/26/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/03/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	11.2	50.0	ND				
Dichlorodifluoromethane	10.4	150	ND				
1,1-Dichloroethane	6.50	50.0	ND				
1,2-Dichloroethane	7.85	50.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	8.00	50.0	ND				
cis-1,2-Dichloroethene	10.8	50.0	1190				
trans-1,2-Dichloroethene	13.0	50.0	ND				
1,2-Dichloropropane	3.30	50.0	ND				
1,3-Dichloropropane	4.60	50.0	ND				
2,2-Dichloropropane	6.80	50.0	ND				
1,1-Dichloropropene	5.60	50.0	ND				
cis-1,3-Dichloropropene	4.90	50.0	ND				
trans-1,3-Dichloropropene	4.80	50.0	ND				
Ethylbenzene	5.00	10.0	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	13.9	150	ND				
2-Hexanone	15.9	250	ND				
Isopropylbenzene	7.10	50.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	19.3	50.0	ND				
MTBE	14.5	25.0	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	15.7	250	ND				
Methylene chloride (Dichloromethane, DCM)	16.6	250	ND				
Naphthalene	5.70	50.0	ND				
n-Propylbenzene	5.70	50.0	ND				
Styrene	4.00	50.0	ND				
1,1,1,2-Tetrachloroethane	6.40	50.0	ND				
1,1,2,2-Tetrachloroethane	16.3	50.0	ND				
Tetrachloroethene (Tetrachloroethylene)	4.65	50.0	725				
Toluene (Methyl benzene)	5.00	10.0	ND				
1,2,3-Trichlorobenzene	6.15	50.0	ND				
1,2,4-Trichlorobenzene	14.1	50.0	ND				
1,1,1-Trichloroethane	10.2	50.0	ND				
1,1,2-Trichloroethane	8.70	50.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			**296675**				
Client Sample I.D.			B9-2.5				
Date Sampled			04/26/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/03/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			5				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	5.75	50.0	452				
Trichlorofluoromethane	15.8	50.0	ND				
1,2,3-Trichloropropane	8.70	50.0	ND				
1,2,4-Trimethylbenzene	16.0	50.0	ND				
1,3,5-Trimethylbenzene	6.15	50.0	ND				
Vinyl acetate	54.0	250	ND				
Vinyl chloride (Chloroethene)	14.0	150	ND				
o-Xylene	5.00	10.0	ND				
m- & p-Xylenes	9.00	20.0	ND				

Our Lab I.D.			**296675**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		82				
Dibromofluoromethane	70-120		96				
Toluene-d8	70-120		88				

QUALITY CONTROL REPORT

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	105	104	<1	75-120	15					
Chlorobenzene	90	93	3.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15					
MTBE	94	102	8.2	75-120	15					
Toluene (Methyl benzene)	101	101	<1	75-120	15					
Trichloroethene (TCE)	105	104	<1	75-120	15					

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ANALYTICAL RESULTS

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Site

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LA, CA

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			**296671**				
Client Sample I.D.			B10-2.5				
Date Sampled			04/26/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/03/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			50				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	635	2500	ND				
Benzene	46.5	100	ND				
Bromobenzene (Phenyl bromide)	170	500	ND				
Bromochloromethane (Chlorobromomethane)	19.0	500	ND				
Bromodichloromethane (Dichlorobromomethane)	31.5	500	ND				
Bromoform (Tribromomethane)	170	2500	ND				
Bromomethane (Methyl bromide)	138	1500	ND				
2-Butanone (MEK, Methyl ethyl ketone)	292	2500	ND				
n-Butylbenzene	103	500	ND				
sec-Butylbenzene	152	500	ND				
tert-Butylbenzene	67.0	500	ND				
Carbon disulfide	277	500	ND				
Carbon tetrachloride (Tetrachloromethane)	124	500	ND				
Chlorobenzene	44.5	500	ND				
Chloroethane	108	1500	ND				
2-Chloroethyl vinyl ether	277	2500	ND				
Chloroform (Trichloromethane)	62.0	500	ND				
Chloromethane (Methyl chloride)	87.0	1500	ND				
4-Chlorotoluene (p-Chlorotoluene)	67.0	500	ND				
2-Chlorotoluene (o-Chlorotoluene)	118	500	ND				
1,2-Dibromo-3-chloropropane (DBCP)	135	2500	ND				
Dibromochloromethane	32.5	500	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	138	500	ND				
Dibromomethane	115	500	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	51.5	500	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	82.5	500	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			**296671**				
Client Sample I.D.			B10-2.5				
Date Sampled			04/26/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/03/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			50				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	112	500	ND				
Dichlorodifluoromethane	104	1500	ND				
1,1-Dichloroethane	65.0	500	ND				
1,2-Dichloroethane	78.5	500	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	80.0	500	ND				
cis-1,2-Dichloroethene	108	500	ND				
trans-1,2-Dichloroethene	130	500	ND				
1,2-Dichloropropane	33.0	500	ND				
1,3-Dichloropropane	46.0	500	ND				
2,2-Dichloropropane	68.0	500	ND				
1,1-Dichloropropene	56.0	500	ND				
cis-1,3-Dichloropropene	49.0	500	ND				
trans-1,3-Dichloropropene	48.0	500	ND				
Ethylbenzene	50.0	100	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	139	1500	ND				
2-Hexanone	159	2500	ND				
Isopropylbenzene	71.0	500	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	193	500	ND				
MTBE	145	250	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	157	2500	ND				
Methylene chloride (Dichloromethane, DCM)	166	2500	ND				
Naphthalene	57.0	500	ND				
n-Propylbenzene	57.0	500	ND				
Styrene	40.0	500	ND				
1,1,1,2-Tetrachloroethane	64.0	500	ND				
1,1,2,2-Tetrachloroethane	163	500	ND				
Tetrachloroethene (Tetrachloroethylene)	46.5	500	40600				
Toluene (Methyl benzene)	50.0	100	ND				
1,2,3-Trichlorobenzene	61.5	500	ND				
1,2,4-Trichlorobenzene	141	500	ND				
1,1,1-Trichloroethane	102	500	ND				
1,1,2-Trichloroethane	87.0	500	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-050313

Our Lab I.D.			**296671**				
Client Sample I.D.			B10-2.5				
Date Sampled			04/26/2013				
Date Prepared			05/03/2013				
Preparation Method							
Date Analyzed			05/03/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			50				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	57.5	500	215J				
Trichlorofluoromethane	158	500	ND				
1,2,3-Trichloropropane	87.0	500	ND				
1,2,4-Trimethylbenzene	160	500	ND				
1,3,5-Trimethylbenzene	61.5	500	ND				
Vinyl acetate	540	2500	ND				
Vinyl chloride (Chloroethene)	140	1500	ND				
o-Xylene	50.0	100	ND				
m- & p-Xylenes	90.0	200	ND				

Our Lab I.D.			**296671**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		86				
Dibromofluoromethane	70-120		90				
Toluene-d8	70-120		101				

QUALITY CONTROL REPORT

QC Batch No: S1C-050313

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	105	104	<1	75-120	15					
Chlorobenzene	90	93	3.3	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	100	95	5.1	75-120	15					
MTBE	94	102	8.2	75-120	15					
Toluene (Methyl benzene)	101	101	<1	75-120	15					
Trichloroethene (TCE)	105	104	<1	75-120	15					

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ANALYTICAL RESULTS

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LA, CA

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050113

Our Lab I.D.			296667	296669	296670	296673	296674
Client Sample I.D.			B1-10	B7-2.5	B7-5	B8-2.5	B8-5
Date Sampled			04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	ND	ND	18.2J	63.2	ND
Benzene	0.930	2.00	ND	1.74J	ND	1.98J	ND
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	2.10J	2.08J	4.42J	3.20J	3.24J
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	10.3	107	17.3	56.6
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050113

Our Lab I.D.			296667	296669	296670	296673	296674
Client Sample I.D.			B1-10	B7-2.5	B7-5	B8-2.5	B8-5
Date Sampled			04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	4.90J
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	10.1	3.74J	1.34J	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	ND	204	69.4	4.18J	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	4.22J	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	7.88J	ND	316	65.2
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S2C-050113

Our Lab I.D.			296667	296669	296670	296673	296674
Client Sample I.D.			B1-10	B7-2.5	B7-5	B8-2.5	B8-5
Date Sampled			04/26/2013	04/26/2013	04/26/2013	04/26/2013	04/26/2013
Date Prepared			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Preparation Method							
Date Analyzed			05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	5.22J	ND	34.0	4.32J
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			296667	296669	296670	296673	296674
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		94	112	98	110	101
Dibromofluoromethane	70-120		102	96	90	96	99
Toluene-d8	70-120		102	96	102	90	100

QUALITY CONTROL REPORT

QC Batch No: S2C-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	110	8.5	75-120	15					
Chlorobenzene	91	93	2.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	86	77	11.0	75-120	15					
MTBE	110	105	4.7	75-120	15					
Toluene (Methyl benzene)	105	92	13.2	75-120	15					
Trichloroethene (TCE)	101	99	2.0	75-120	15					

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ANALYTICAL RESULTS

Ordered By

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Site

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LA, CA

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

QC Batch No: 043013-1

Our Lab I.D.			296663	296664	296665	296668	
Client Sample I.D.			B25A	B26A	B1A	B7A	
Date Sampled			04/26/2013	04/26/2013	04/26/2013	04/26/2013	
Date Prepared			04/30/2013	04/30/2013	04/30/2013	04/30/2013	
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Matrix			Water	Water	Water	Water	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
AA Metals							
Mercury	0.0001	0.0005	ND	ND	ND	ND	
ICP Metals							
Antimony	0.0040	0.0100	ND	0.0081J	0.154	ND	
Arsenic	0.0030	0.0100	ND	ND	0.0048J	0.0070J	
Barium	0.0010	0.0100	0.0375	0.0881	0.132	0.0703	
Beryllium	0.0007	0.0050	ND	ND	ND	ND	
Cadmium	0.0007	0.0050	ND	ND	ND	ND	
Chromium	0.0010	0.0100	ND	ND	ND	0.0022J	
Cobalt	0.0010	0.0100	0.0039J	0.0066J	0.0018J	0.0025J	
Copper	0.0010	0.0100	ND	ND	ND	0.0025J	
Lead	0.0020	0.0050	ND	ND	ND	ND	
Molybdenum	0.0010	0.0100	0.0512	0.0504	0.0215	0.0374	
Nickel	0.0020	0.0100	0.0153	0.0119	0.0124	0.0140	
Selenium	0.0040	0.0100	ND	ND	ND	ND	
Silver	0.0010	0.0100	ND	ND	ND	ND	
Thallium	0.0030	0.0100	ND	ND	ND	ND	
Vanadium	0.0010	0.0100	ND	ND	0.0048J	0.0121	
Zinc	0.0070	0.0100	ND	ND	0.0108	ND	

QUALITY CONTROL REPORT

QC Batch No: 043013-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	105	80-120								
ICP Metals										
Antimony	101	80-120								
Arsenic	100	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 043013-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	102	80-120								
Beryllium	108	80-120								
Cadmium	100	80-120								
Chromium	99	80-120								
Cobalt	101	80-120								
Copper	102	80-120								
Lead	101	80-120								
Molybdenum	98	80-120								
Nickel	101	80-120								
Selenium	100	80-120								
Silver	105	80-120								
Thallium	105	80-120								
Vanadium	100	80-120								
Zinc	102	80-120								

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1P-050113

Our Lab I.D.			296663	296664	296665	296668	
Client Sample I.D.			B25A	B26A	B1A	B7A	
Date Sampled			04/26/2013	04/26/2013	04/26/2013	04/26/2013	
Date Prepared			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Matrix			Water	Water	Water	Water	
Units			mg/L	mg/L	mg/L	mg/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH DROs (C10 to C28)	0.0500	0.500	ND	ND	ND	ND	
TPH OROs (C28+)	0.170	0.500	ND	ND	ND	ND	

Our Lab I.D.			296663	296664	296665	296668	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Chlorobenzene	70-120		114	110	109	110	

QUALITY CONTROL REPORT

QC Batch No: W1P-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	97	1.0	75-120	<20					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1-050113

Our Lab I.D.			296663	296664	296665	296668	
Client Sample I.D.			B25A	B26A	B1A	B7A	
Date Sampled			04/26/2013	04/26/2013	04/26/2013	04/26/2013	
Date Prepared			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Matrix			Water	Water	Water	Water	
Units			ug/L	ug/L	ug/L	ug/L	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH GROs (C6 to C10)	50.0	50.0	ND	ND	ND	ND	

Our Lab I.D.			296663	296664	296665	296668	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		112	106	102	108	

QUALITY CONTROL REPORT

QC Batch No: W1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
TPH GROs (C6 to C10)	105	105	<1	75-120	<20					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.			296663	296664	296665		
Client Sample I.D.			B25A	B26A	B1A		
Date Sampled			04/26/2013	04/26/2013	04/26/2013		
Date Prepared			05/01/2013	05/01/2013	05/01/2013		
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	2.52	5.00	ND	ND	ND		
Benzene	0.0970	1.00	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.291	1.00	ND	ND	ND		
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND	0.220J	ND		
Bromoform (Tribromomethane)	0.284	5.00	ND	ND	ND		
Bromomethane (Methyl bromide)	0.174	3.00	ND	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND	ND	ND		
n-Butylbenzene	0.363	1.00	ND	ND	ND		
sec-Butylbenzene	0.338	1.00	ND	ND	ND		
tert-Butylbenzene	0.235	1.00	ND	ND	ND		
Carbon disulfide	0.463	1.00	ND	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND	ND	ND		
Chlorobenzene	0.176	1.00	ND	ND	ND		
Chloroethane	0.328	3.00	ND	ND	ND		
2-Chloroethyl vinyl ether	0.665	5.00	ND	ND	ND		
Chloroform (Trichloromethane)	0.247	1.00	ND	0.730J	ND		
Chloromethane (Methyl chloride)	0.174	3.00	ND	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND	ND	ND		
Dibromochloromethane	0.300	1.00	ND	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND	ND	ND		
Dibromomethane	0.316	1.00	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	1.52	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND	ND	ND		

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.			296663	296664	296665		
Client Sample I.D.			B25A	B26A	B1A		
Date Sampled			04/26/2013	04/26/2013	04/26/2013		
Date Prepared			05/01/2013	05/01/2013	05/01/2013		
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND	ND	ND		
Dichlorodifluoromethane	0.244	3.00	ND	ND	ND		
1,1-Dichloroethane	0.372	1.00	0.425J	ND	ND		
1,2-Dichloroethane	0.182	1.00	ND	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND	ND	ND		
cis-1,2-Dichloroethene	0.279	1.00	81.0	ND	ND		
trans-1,2-Dichloroethene	0.176	1.00	1.22	ND	ND		
1,2-Dichloropropane	0.359	1.00	ND	ND	ND		
1,3-Dichloropropane	0.205	1.00	ND	ND	ND		
2,2-Dichloropropane	0.341	1.00	ND	ND	ND		
1,1-Dichloropropene	0.210	1.00	ND	ND	ND		
cis-1,3-Dichloropropene	0.122	1.00	ND	ND	ND		
trans-1,3-Dichloropropene	0.100	1.00	ND	ND	ND		
Ethylbenzene	0.209	1.00	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND	ND	ND		
2-Hexanone	0.944	5.00	ND	ND	ND		
Isopropylbenzene	0.291	1.00	ND	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND	ND	ND		
MTBE	0.240	2.00	ND	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND	ND	ND		
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND	ND	ND		
Naphthalene	0.375	1.00	ND	ND	ND		
n-Propylbenzene	0.254	1.00	ND	ND	ND		
Styrene	0.122	1.00	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.141	1.00	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.579	1.00	ND	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	2.61	36.8	ND		
Toluene (Methyl benzene)	0.282	1.00	ND	ND	ND		
1,2,3-Trichlorobenzene	0.219	1.00	ND	ND	ND		
1,2,4-Trichlorobenzene	0.451	1.00	ND	ND	ND		
1,1,1-Trichloroethane	0.150	1.00	ND	ND	ND		
1,1,2-Trichloroethane	0.233	1.00	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.			296663	296664	296665		
Client Sample I.D.			B25A	B26A	B1A		
Date Sampled			04/26/2013	04/26/2013	04/26/2013		
Date Prepared			05/01/2013	05/01/2013	05/01/2013		
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichloroethene (TCE)	0.117	1.00	29.4	1.31	ND		
Trichlorofluoromethane	0.294	1.00	ND	ND	ND		
1,2,3-Trichloropropane	0.303	1.00	ND	ND	ND		
1,2,4-Trimethylbenzene	0.451	1.00	ND	ND	ND		
1,3,5-Trimethylbenzene	0.219	1.00	ND	ND	ND		
Vinyl acetate	1.62	5.00	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.331	3.00	ND	ND	ND		
o-Xylene	0.262	1.00	ND	ND	ND		
m- & p-Xylenes	0.476	2.00	ND	ND	ND		

Our Lab I.D.			296663	296664	296665		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		93	92	90		
Dibromofluoromethane	70-120		93	90	92		
Toluene-d8	70-120		92	102	100		

QUALITY CONTROL REPORT

QC Batch No: W1C-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	106	99	6.8	75-120	15					
Chlorobenzene	95	93	2.1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	83	81	2.4	75-120	15					
MTBE	103	107	3.8	75-120	15					
Toluene (Methyl benzene)	102	100	2.0	75-120	15					
Trichloroethene (TCE)	104	102	1.9	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
LA, CA

Page: **35**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.			296668				
Client Sample I.D.			B7A				
Date Sampled			04/26/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	2.52	5.00	ND				
Benzene	0.0970	1.00	ND				
Bromobenzene (Phenyl bromide)	0.291	1.00	ND				
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND				
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND				
Bromoform (Tribromomethane)	0.284	5.00	ND				
Bromomethane (Methyl bromide)	0.174	3.00	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND				
n-Butylbenzene	0.363	1.00	ND				
sec-Butylbenzene	0.338	1.00	ND				
tert-Butylbenzene	0.235	1.00	ND				
Carbon disulfide	0.463	1.00	ND				
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND				
Chlorobenzene	0.176	1.00	ND				
Chloroethane	0.328	3.00	ND				
2-Chloroethyl vinyl ether	0.665	5.00	ND				
Chloroform (Trichloromethane)	0.247	1.00	1.05				
Chloromethane (Methyl chloride)	0.174	3.00	ND				
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND				
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND				
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND				
Dibromochloromethane	0.300	1.00	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND				
Dibromomethane	0.316	1.00	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	203				
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.			**296668**				
Client Sample I.D.			B7A				
Date Sampled			04/26/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	2.51				
Dichlorodifluoromethane	0.244	3.00	ND				
1,1-Dichloroethane	0.372	1.00	4.52				
1,2-Dichloroethane	0.182	1.00	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND				
cis-1,2-Dichloroethene	0.279	1.00	47.0				
trans-1,2-Dichloroethene	0.176	1.00	0.950J				
1,2-Dichloropropane	0.359	1.00	ND				
1,3-Dichloropropane	0.205	1.00	ND				
2,2-Dichloropropane	0.341	1.00	ND				
1,1-Dichloropropene	0.210	1.00	ND				
cis-1,3-Dichloropropene	0.122	1.00	ND				
trans-1,3-Dichloropropene	0.100	1.00	ND				
Ethylbenzene	0.209	1.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND				
2-Hexanone	0.944	5.00	ND				
Isopropylbenzene	0.291	1.00	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND				
MTBE	0.240	2.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND				
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND				
Naphthalene	0.375	1.00	ND				
n-Propylbenzene	0.254	1.00	ND				
Styrene	0.122	1.00	ND				
1,1,1,2-Tetrachloroethane	0.141	1.00	ND				
1,1,2,2-Tetrachloroethane	0.579	1.00	ND				
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	24.8				
Toluene (Methyl benzene)	0.282	1.00	ND				
1,2,3-Trichlorobenzene	0.219	1.00	ND				
1,2,4-Trichlorobenzene	0.451	1.00	ND				
1,1,1-Trichloroethane	0.150	1.00	ND				
1,1,2-Trichloroethane	0.233	1.00	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56792	04/26/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050213

Our Lab I.D.			**296668**				
Client Sample I.D.			B7A				
Date Sampled			04/26/2013				
Date Prepared			05/02/2013				
Preparation Method							
Date Analyzed			05/02/2013				
Matrix			Water				
Units			ug/L				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	0.117	1.00	121				
Trichlorofluoromethane	0.294	1.00	ND				
1,2,3-Trichloropropane	0.303	1.00	ND				
1,2,4-Trimethylbenzene	0.451	1.00	ND				
1,3,5-Trimethylbenzene	0.219	1.00	ND				
Vinyl acetate	1.62	5.00	ND				
Vinyl chloride (Chloroethene)	0.331	3.00	ND				
o-Xylene	0.262	1.00	ND				
m- & p-Xylenes	0.476	2.00	ND				

Our Lab I.D.			**296668**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		87				
Dibromofluoromethane	70-120		101				
Toluene-d8	70-120		101				

QUALITY CONTROL REPORT

QC Batch No: W1C-050213

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	101	110	8.5	75-120	15					
Chlorobenzene	91	91	<1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	94	91	3.2	75-120	15					
MTBE	116	116	<1	75-120	15					
Toluene (Methyl benzene)	102	107	4.8	75-120	15					
Trichloroethene (TCE)	101	103	2.0	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
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2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone (562)495-5777
Attn Reid Shigeno

Number of Pages 22
Date Received 04/25/2013
Date Reported 05/02/2013

Job Number	Ordered	Client
56776	04/25/2013	ALTAEN

Project ID: MCGU-13-2252
Project Name: Panama Site
Site: 12964 Panama St.
L.A., CA

Enclosed are the results of analyses on 9 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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COC# Nº 62812 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56776

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg	Project Name: Teledyne	Address:	
Long Beach, CA	Site Address: 12964 Panama St	Invoice To:	
Telephone: 562-495-5777 Fax: 5877	LA, CA	Address:	
Special Instruction:	Project ID: MC64-13-2252		
E-mail: reid.shigenaka@altaenviron.com jonathan.hardman@altaenviron.com	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Container(s) Type	Matrix	Preservation	TPH-cc 8015M	VOCs 8260B	T22-metals 6010B/7471A	Archive	Remarks
1	296617	B24A	4/25/13	800	4 1	VOA Amber Plastic	H2O		X	X	X		
		B24-2.5		815	1	Tube	Soil					X	
		-5		820	1	↓	↓					X	
		-10		825	1	↓						X	
2	296618	B2-2.5		920	RB 1/6	VOA Tube			X	X	X		
3	296619	-5		924	RB 1/6	↓			X	X	X		
		-10		927	1	Tube						X	
		-15		930	1	↓						X	
4	296620	B3A		1010	1	VOA Amber Plastic	H2O		X	X	X		
5	296621	B3-2.5		1025	RB 1/6	VOA Tube	Soil		X	X	X		

Collected By:	Date 4/25/13	Time 1400	Relinquished By:	Date 4/25/13	Time 1435
Relinquished By:	Date	Time	Received For Laboratory	Date 4-25-13	Time 14:35
Received By:	Date	Time	Condition of Sample:		

TAT: ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - *Report*, **Yellow** - *Laboratory*, **Pink** - *Client*

AMERICAN SCIENTIFIC LABORATORIES, LLC
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COC# № 62813 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 56776

Company: Alta Environmental		Report To:	
Address: 3777 Long Beach Blvd Annex Bldg LB, CA 90807	Project Name: Teledyne	Address:	
	Site Address: 12964 Panama St	Invoice To:	
Telephone: 562-495-5777 Fax: 562-495-5877	LA, CA	Address:	
Special Instruction:	Project ID: MCGU-13-2252		
E-mail: reid.shigeno@altaenviron.com jonathan.barkman@altaenviron.com	Project Manager: Mike Cassidy	P.O.#:	

ANALYSIS REQUESTED

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	TPH-cc 8015M	VOCs 8260B	T22 Metals 6010B/7471A	Archive	Remarks
6	296622	B3-5	4/25/13	1027	6	VOA Tube	Soil		X	X	X		
		-10		1029	1	Tube	↓					X	
7	296623	B28A ~~RA~~ -5		1245	6	VOA Amber Plastic	H2O		X	X	X		
8	296624	B28-2.5		1330	6	VOA Tube	Soil		X	X	X		
9	296625	-5.0		1333	6	L			X	X	X		
		-10		1336	1	Tube						X	
		B27-2.5		1400	1							X	
		-5		1405	1							X	
		-10	↓	1410	1	↓	↓					X	

Collected By:	Date 4/25/13	Time 1400	Relinquished By:	Date 4/25/13	Time 1435
Relinquished By:	Date	Time	Received For Laboratory	Date 4-25-13	Time 14:35
Received By:	Date	Time	Condition of Sample:		

TAT ☒ Normal ☐ Rush

CHAIN OF CUSTODY RECORD

White - *Report*, Yellow - *Laboratory*, Pink - *Client*

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

ALTA Environmental
3777 Long Beach Blvd. Annex Bl
Long Beach, CA 90807-

Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

Page: **2**

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 043013-2

Our Lab I.D.		296618	296619	296621	296622	296624
Client Sample I.D.		B2-2.5	B2-5	B3-2.5	B3-5	B28-2.5
Date Sampled		04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared		04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method						
Date Analyzed		05/02/2013	05/02/2013	05/02/2013	05/02/2013	05/02/2013
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
AA Metals						
Mercury	0.0500	0.125	ND	ND	ND	0.0703
ICP Metals						
Antimony	0.500	ND	ND	ND	ND	ND
Arsenic	0.250	3.37	12.8	2.54	4.68	7.16
Barium	0.500	111	91.3	89.6	88.8	133
Beryllium	0.500	ND	0.551	ND	ND	ND
Cadmium	0.500	3.35	3.06	1.60	2.24	2.90
Chromium	0.500	43.3	31.9	27.8	26.5	34.1
Cobalt	0.500	8.60	8.79	7.17	7.12	8.75
Copper	0.500	173	29.2	23.1	19.6	128
Lead	0.250	16.6	4.74	3.17	3.25	20.1
Molybdenum	0.500	0.792	4.50	ND	3.52	1.51
Nickel	0.500	24.6	28.1	18.7	24.8	27.7
Selenium	0.500	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND
Thallium	0.500	ND	ND	ND	ND	ND
Vanadium	0.500	44.9	62.0	44.8	39.9	54.9
Zinc	0.500	89.4	58.3	41.1	42.4	89.8

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	110	80-120								
ICP Metals										
Antimony	99	80-120								
Arsenic	97	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	100	80-120								
Beryllium	104	80-120								
Cadmium	97	80-120								
Chromium	98	80-120								
Cobalt	98	80-120								
Copper	101	80-120								
Lead	99	80-120								
Molybdenum	97	80-120								
Nickel	98	80-120								
Selenium	99	80-120								
Silver	102	80-120								
Thallium	100	80-120								
Vanadium	99	80-120								
Zinc	98	80-120								

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ANALYTICAL RESULTS

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Attn: Reid Shigeno

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 043013-2

Our Lab I.D.		**296625**				
Client Sample I.D.		B28-5.0				
Date Sampled		04/25/2013				
Date Prepared		04/30/2013				
Preparation Method						
Date Analyzed		05/02/2013				
Matrix		Soil				
Units		mg/Kg				
Dilution Factor		1				
Analytes	**PQL**	**Results**				
AA Metals						
Mercury	0.0500	ND				
ICP Metals						
Antimony	0.500	ND				
Arsenic	0.250	2.62				
Barium	0.500	62.4				
Beryllium	0.500	ND				
Cadmium	0.500	1.22				
Chromium	0.500	29.7				
Cobalt	0.500	4.89				
Copper	0.500	17.2				
Lead	0.250	2.23				
Molybdenum	0.500	ND				
Nickel	0.500	22.3				
Selenium	0.500	ND				
Silver	0.500	ND				
Thallium	0.500	ND				
Vanadium	0.500	41.0				
Zinc	0.500	37.1				

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	110	80-120								
ICP Metals										
Antimony	99	80-120								
Arsenic	97	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

QC Batch No: 043013-2

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	100	80-120								
Beryllium	104	80-120								
Cadmium	97	80-120								
Chromium	98	80-120								
Cobalt	98	80-120								
Copper	101	80-120								
Lead	99	80-120								
Molybdenum	97	80-120								
Nickel	98	80-120								
Selenium	99	80-120								
Silver	102	80-120								
Thallium	100	80-120								
Vanadium	99	80-120								
Zinc	98	80-120								

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1D-050113

Our Lab I.D.			296618	296619			
Client Sample I.D.			B2-2.5	B2-5			
Date Sampled			04/25/2013	04/25/2013			
Date Prepared			05/01/2013	05/01/2013			
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH DROs (C10 to C28)	1.00	10.0	ND	ND			
TPH OROs (C28+)	17.0	50.0	ND	ND			

Our Lab I.D.			296618	296619			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Chlorobenzene	70-120		90	88			

QUALITY CONTROL REPORT

QC Batch No: S1D-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	98	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: S1P-050113

Our Lab I.D.			296621	296622	296624	296625	
Client Sample I.D.			B3-2.5	B3-5	B28-2.5	B28-5.0	
Date Sampled			04/25/2013	04/25/2013	04/25/2013	04/25/2013	
Date Prepared			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013	05/01/2013	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH DROs (C10 to C28)	1.00	10.0	ND	ND	ND	ND	
TPH OROs (C28+)	17.0	50.0	ND	ND	ND	ND	

Our Lab I.D.			296621	296622	296624	296625	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Chlorobenzene	70-120		101	105	103	106	

QUALITY CONTROL REPORT

QC Batch No: S1P-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	99	97	2.0	75-120	<20					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050113

Our Lab I.D.			296618	296619	296621	296622	296624
Client Sample I.D.			B2-2.5	B2-5	B3-2.5	B3-5	B28-2.5
Date Sampled			04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013	05/01/2013	05/01/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
TPH GROs (C6 to C10)	0.200	0.500	ND	ND	ND	ND	ND

Our Lab I.D.			296618	296619	296621	296622	296624
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		71	112	111	100	103

QUALITY CONTROL REPORT

QC Batch No: S1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	90	89	1.1	75-120	<20					
Toluene	90	88	2.2	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: S1-050113

Our Lab I.D.			**296625**				
Client Sample I.D.			B28-5.0				
Date Sampled			04/25/2013				
Date Prepared			05/01/2013				
Preparation Method							
Date Analyzed			05/01/2013				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
TPH GROs (C6 to C10)	0.200	0.500	ND				

Our Lab I.D.			**296625**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		113				

QUALITY CONTROL REPORT

QC Batch No: S1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	90	89	1.1	75-120	<20					
Toluene	90	88	2.2	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.			296618	296619	296621	296622	296624
Client Sample I.D.			B2-2.5	B2-5	B3-2.5	B3-5	B28-2.5
Date Sampled			04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared			04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method							
Date Analyzed			04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	12.7	50.0	65.7	ND	103	ND	24.0J
Benzene	0.930	2.00	1.16J	ND	1.58J	ND	2.40
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	ND
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	ND
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	ND
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	ND
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	ND
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	ND
Chloroethane	2.15	30.0	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	ND
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	ND
Dibromomethane	2.30	10.0	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.			296618	296619	296621	296622	296624
Client Sample I.D.			B2-2.5	B2-5	B3-2.5	B3-5	B28-2.5
Date Sampled			04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared			04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method							
Date Analyzed			04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	ND
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	2.16	10.0	8.24J	ND	8.64J	ND	ND
trans-1,2-Dichloroethene	2.60	10.0	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	ND
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	ND
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	ND
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	ND
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	ND
2-Hexanone	3.18	50.0	ND	ND	ND	ND	ND
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	ND
MTBE	2.90	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	ND
Naphthalene	1.14	10.0	ND	ND	ND	ND	ND
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	ND
Styrene	0.800	10.0	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND	ND	ND	20.9
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.			296618	296619	296621	296622	296624
Client Sample I.D.			B2-2.5	B2-5	B3-2.5	B3-5	B28-2.5
Date Sampled			04/25/2013	04/25/2013	04/25/2013	04/25/2013	04/25/2013
Date Prepared			04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Preparation Method							
Date Analyzed			04/30/2013	04/30/2013	04/30/2013	04/30/2013	04/30/2013
Matrix			Soil	Soil	Soil	Soil	Soil
Units			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Dilution Factor			1	1	1	1	1
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Trichloroethene (TCE)	1.15	10.0	ND	ND	ND	ND	ND
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	ND
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	ND
o-Xylene	1.00	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	ND

Our Lab I.D.			296618	296619	296621	296622	296624
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		106	100	108	96	112
Dibromofluoromethane	70-120		112	114	112	116	106
Toluene-d8	70-120		98	96	96	96	96

QUALITY CONTROL REPORT

QC Batch No: S1C-043013

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Benzene	112	114	1.8	75-120	15					
Chlorobenzene	89	94	5.5	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	85	85	<1	75-120	15					
MTBE	93	99	6.3	75-120	15					
Toluene (Methyl benzene)	103	105	1.9	75-120	15					
Trichloroethene (TCE)	96	101	5.1	75-120	15					

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ANALYTICAL RESULTS

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.			**296625**				
Client Sample I.D.			B28-5.0				
Date Sampled			04/25/2013				
Date Prepared			04/30/2013				
Preparation Method							
Date Analyzed			04/30/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acetone	12.7	50.0	ND				
Benzene	0.930	2.00	ND				
Bromobenzene (Phenyl bromide)	3.39	10.0	ND				
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND				
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND				
Bromoform (Tribromomethane)	3.39	50.0	ND				
Bromomethane (Methyl bromide)	2.75	30.0	ND				
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND				
n-Butylbenzene	2.05	10.0	ND				
sec-Butylbenzene	3.04	10.0	ND				
tert-Butylbenzene	1.34	10.0	ND				
Carbon disulfide	5.53	10.0	ND				
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND				
Chlorobenzene	0.890	10.0	ND				
Chloroethane	2.15	30.0	ND				
2-Chloroethyl vinyl ether	5.53	50.0	ND				
Chloroform (Trichloromethane)	1.24	10.0	ND				
Chloromethane (Methyl chloride)	1.74	30.0	ND				
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND				
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND				
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND				
Dibromochloromethane	0.650	10.0	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND				
Dibromomethane	2.30	10.0	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.			296625				
Client Sample I.D.			B28-5.0				
Date Sampled			04/25/2013				
Date Prepared			04/30/2013				
Preparation Method							
Date Analyzed			04/30/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND				
Dichlorodifluoromethane	2.07	30.0	ND				
1,1-Dichloroethane	1.30	10.0	ND				
1,2-Dichloroethane	1.57	10.0	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	1.60	10.0	ND				
cis-1,2-Dichloroethene	2.16	10.0	ND				
trans-1,2-Dichloroethene	2.60	10.0	ND				
1,2-Dichloropropane	0.660	10.0	ND				
1,3-Dichloropropane	0.920	10.0	ND				
2,2-Dichloropropane	1.36	10.0	ND				
1,1-Dichloropropene	1.12	10.0	ND				
cis-1,3-Dichloropropene	0.980	10.0	ND				
trans-1,3-Dichloropropene	0.960	10.0	ND				
Ethylbenzene	1.00	2.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND				
2-Hexanone	3.18	50.0	ND				
Isopropylbenzene	1.42	10.0	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND				
MTBE	2.90	5.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND				
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND				
Naphthalene	1.14	10.0	ND				
n-Propylbenzene	1.14	10.0	ND				
Styrene	0.800	10.0	ND				
1,1,1,2-Tetrachloroethane	1.28	10.0	ND				
1,1,2,2-Tetrachloroethane	3.25	10.0	ND				
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND				
Toluene (Methyl benzene)	1.00	2.00	ND				
1,2,3-Trichlorobenzene	1.23	10.0	ND				
1,2,4-Trichlorobenzene	2.82	10.0	ND				
1,1,1-Trichloroethane	2.03	10.0	ND				
1,1,2-Trichloroethane	1.74	10.0	ND				

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: S1C-043013

Our Lab I.D.			296625				
Client Sample I.D.			B28-5.0				
Date Sampled			04/25/2013				
Date Prepared			04/30/2013				
Preparation Method							
Date Analyzed			04/30/2013				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Trichloroethene (TCE)	1.15	10.0	ND				
Trichlorofluoromethane	3.15	10.0	ND				
1,2,3-Trichloropropane	1.74	10.0	ND				
1,2,4-Trimethylbenzene	3.19	10.0	ND				
1,3,5-Trimethylbenzene	1.23	10.0	ND				
Vinyl acetate	10.8	50.0	ND				
Vinyl chloride (Chloroethene)	2.79	30.0	ND				
o-Xylene	1.00	2.00	ND				
m- & p-Xylenes	1.80	4.00	ND				

Our Lab I.D.			296625				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		103				
Dibromofluoromethane	70-120		106				
Toluene-d8	70-120		96				

QUALITY CONTROL REPORT

QC Batch No: S1C-043013

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
Benzene	112	114	1.8	75-120	15					
Chlorobenzene	89	94	5.5	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	85	85	<1	75-120	15					
MTBE	93	99	6.3	75-120	15					
Toluene (Methyl benzene)	103	105	1.9	75-120	15					
Trichloroethene (TCE)	96	101	5.1	75-120	15					

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ANALYTICAL RESULTS

Ordered By

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Telephone: (562)495-5777
Attn: Reid Shigeno

Site

12964 Panama St.
L.A., CA

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)

QC Batch No: 043013-1

Our Lab I.D.			296617	296620	296623		
Client Sample I.D.			B24A	B3A	B28A		
Date Sampled			04/25/2013	04/25/2013	04/25/2013		
Date Prepared			04/30/2013	04/30/2013	04/30/2013		
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013		
Matrix			Water	Water	Water		
Units			mg/L	mg/L	mg/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
AA Metals							
Mercury	0.0001	0.0005	ND	ND	ND		
ICP Metals							
Antimony	0.0040	0.0100	ND	ND	ND		
Arsenic	0.0030	0.0100	ND	0.0032J	ND		
Barium	0.0010	0.0100	0.0751	0.0446	0.0297		
Beryllium	0.0007	0.0050	ND	ND	ND		
Cadmium	0.0007	0.0050	0.0011J	ND	0.0009J		
Chromium	0.0010	0.0100	ND	ND	ND		
Cobalt	0.0010	0.0100	0.0094J	0.0057J	ND		
Copper	0.0010	0.0100	ND	ND	ND		
Lead	0.0020	0.0050	ND	ND	ND		
Molybdenum	0.0010	0.0100	0.0580	0.0559	0.0210		
Nickel	0.0020	0.0100	0.0168	0.0161	0.0106		
Selenium	0.0040	0.0100	0.0267	0.0177	0.0113		
Silver	0.0010	0.0100	ND	ND	ND		
Thallium	0.0030	0.0100	ND	ND	ND		
Vanadium	0.0010	0.0100	ND	ND	ND		
Zinc	0.0070	0.0100	ND	ND	ND		

QUALITY CONTROL REPORT

QC Batch No: 043013-1

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	105	80-120								
ICP Metals										
Antimony	101	80-120								
Arsenic	100	80-120								

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 6010B/7470A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 043013-1

Analytes	LCS % REC	LCS/LCSD % Limit								
ICP Metals										
Barium	102	80-120								
Beryllium	108	80-120								
Cadmium	100	80-120								
Chromium	99	80-120								
Cobalt	101	80-120								
Copper	102	80-120								
Lead	101	80-120								
Molybdenum	98	80-120								
Nickel	101	80-120								
Selenium	100	80-120								
Silver	105	80-120								
Thallium	105	80-120								
Vanadium	100	80-120								
Zinc	102	80-120								

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: W1P-050113

Our Lab I.D.			296617	296620	296623		
Client Sample I.D.			B24A	B3A	B28A		
Date Sampled			04/25/2013	04/25/2013	04/25/2013		
Date Prepared			05/01/2013	05/01/2013	05/01/2013		
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013		
Matrix			Water	Water	Water		
Units			mg/L	mg/L	mg/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH DROs (C10 to C28)	0.0500	0.500	ND	ND	ND		
TPH OROs (C28+)	0.170	0.500	ND	ND	ND		

Our Lab I.D.			296617	296620	296623		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Chlorobenzene	70-120		108	111	109		

QUALITY CONTROL REPORT

QC Batch No: W1P-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	98	97	1.0	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8015B, TPH GROs (Gasoline Range Organics)

QC Batch No: W1-050113

Our Lab I.D.			296617	296620	296623		
Client Sample I.D.			B24A	B3A	B28A		
Date Sampled			04/25/2013	04/25/2013	04/25/2013		
Date Prepared			05/01/2013	05/01/2013	05/01/2013		
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
TPH GROs (C6 to C10)	50.0	50.0	ND	ND	ND		

Our Lab I.D.			296617	296620	296623		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		103	108	103		

QUALITY CONTROL REPORT

QC Batch No: W1-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
TPH GROs (C6 to C10)	105	105	<1	75-120	<20					

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Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.			296617	296620	296623		
Client Sample I.D.			B24A	B3A	B28A		
Date Sampled			04/25/2013	04/25/2013	04/25/2013		
Date Prepared			05/01/2013	05/01/2013	05/01/2013		
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acetone	2.52	5.00	ND	ND	ND		
Benzene	0.0970	1.00	ND	ND	ND		
Bromobenzene (Phenyl bromide)	0.291	1.00	ND	ND	ND		
Bromochloromethane (Chlorobromomethane)	0.169	1.00	ND	ND	ND		
Bromodichloromethane (Dichlorobromomethane)	0.169	1.00	ND	ND	ND		
Bromoform (Tribromomethane)	0.284	5.00	ND	ND	ND		
Bromomethane (Methyl bromide)	0.174	3.00	ND	ND	ND		
2-Butanone (MEK, Methyl ethyl ketone)	5.00	5.00	ND	ND	ND		
n-Butylbenzene	0.363	1.00	ND	ND	ND		
sec-Butylbenzene	0.338	1.00	ND	ND	ND		
tert-Butylbenzene	0.235	1.00	ND	ND	ND		
Carbon disulfide	0.463	1.00	ND	ND	ND		
Carbon tetrachloride (Tetrachloromethane)	0.144	1.00	ND	ND	ND		
Chlorobenzene	0.176	1.00	ND	ND	ND		
Chloroethane	0.328	3.00	ND	ND	ND		
2-Chloroethyl vinyl ether	0.665	5.00	ND	ND	ND		
Chloroform (Trichloromethane)	0.247	1.00	ND	ND	ND		
Chloromethane (Methyl chloride)	0.174	3.00	ND	ND	ND		
4-Chlorotoluene (p-Chlorotoluene)	0.311	1.00	ND	ND	ND		
2-Chlorotoluene (o-Chlorotoluene)	0.147	1.00	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	0.333	5.00	ND	ND	ND		
Dibromochloromethane	0.300	1.00	ND	ND	ND		
1,2-Dibromoethane (EDB, Ethylene dibromide)	0.226	1.00	ND	ND	ND		
Dibromomethane	0.316	1.00	ND	ND	ND		
1,2-Dichlorobenzene (o-Dichlorobenzene)	0.358	1.00	ND	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	0.333	1.00	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.			296617	296620	296623		
Client Sample I.D.			B24A	B3A	B28A		
Date Sampled			04/25/2013	04/25/2013	04/25/2013		
Date Prepared			05/01/2013	05/01/2013	05/01/2013		
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,4-Dichlorobenzene (p-Dichlorobenzene)	0.384	1.00	ND	ND	ND		
Dichlorodifluoromethane	0.244	3.00	ND	ND	ND		
1,1-Dichloroethane	0.372	1.00	ND	ND	ND		
1,2-Dichloroethane	0.182	1.00	ND	ND	ND		
1,1-Dichloroethene (1,1-Dichloroethylene)	0.355	1.00	ND	ND	ND		
cis-1,2-Dichloroethene	0.279	1.00	ND	ND	ND		
trans-1,2-Dichloroethene	0.176	1.00	ND	ND	ND		
1,2-Dichloropropane	0.359	1.00	ND	ND	ND		
1,3-Dichloropropane	0.205	1.00	ND	ND	ND		
2,2-Dichloropropane	0.341	1.00	ND	ND	ND		
1,1-Dichloropropene	0.210	1.00	ND	ND	ND		
cis-1,3-Dichloropropene	0.122	1.00	ND	ND	ND		
trans-1,3-Dichloropropene	0.100	1.00	ND	ND	ND		
Ethylbenzene	0.209	1.00	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	0.413	3.00	ND	ND	ND		
2-Hexanone	0.944	5.00	ND	ND	ND		
Isopropylbenzene	0.291	1.00	ND	ND	ND		
p-Isopropyltoluene (4-Isopropyltoluene)	0.468	1.00	ND	ND	ND		
MTBE	0.240	2.00	ND	ND	ND		
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	1.71	5.00	ND	ND	ND		
Methylene chloride (Dichloromethane, DCM)	1.00	5.00	ND	ND	ND		
Naphthalene	0.375	1.00	ND	ND	ND		
n-Propylbenzene	0.254	1.00	ND	ND	ND		
Styrene	0.122	1.00	ND	ND	ND		
1,1,1,2-Tetrachloroethane	0.141	1.00	ND	ND	ND		
1,1,2,2-Tetrachloroethane	0.579	1.00	ND	ND	ND		
Tetrachloroethene (Tetrachloroethylene)	0.421	1.00	ND	ND	ND		
Toluene (Methyl benzene)	0.282	1.00	ND	ND	ND		
1,2,3-Trichlorobenzene	0.219	1.00	ND	ND	ND		
1,2,4-Trichlorobenzene	0.451	1.00	ND	ND	ND		
1,1,1-Trichloroethane	0.150	1.00	ND	ND	ND		
1,1,2-Trichloroethane	0.233	1.00	ND	ND	ND		

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ANALYTICAL RESULTS

Project ID: MCGU-13-2252
Project Name: Panama Site

ASL Job Number	Submitted	Client
56776	04/25/2013	ALTAEN

Method: 8260B, Volatile Organic Compounds

QC Batch No: W1C-050113

Our Lab I.D.			296617	296620	296623		
Client Sample I.D.			B24A	B3A	B28A		
Date Sampled			04/25/2013	04/25/2013	04/25/2013		
Date Prepared			05/01/2013	05/01/2013	05/01/2013		
Preparation Method							
Date Analyzed			05/01/2013	05/01/2013	05/01/2013		
Matrix			Water	Water	Water		
Units			ug/L	ug/L	ug/L		
Dilution Factor			1	1	1		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Trichloroethene (TCE)	0.117	1.00	0.980J	0.360J	0.570J		
Trichlorofluoromethane	0.294	1.00	ND	ND	ND		
1,2,3-Trichloropropane	0.303	1.00	ND	ND	ND		
1,2,4-Trimethylbenzene	0.451	1.00	ND	ND	ND		
1,3,5-Trimethylbenzene	0.219	1.00	ND	ND	ND		
Vinyl acetate	1.62	5.00	ND	ND	ND		
Vinyl chloride (Chloroethene)	0.331	3.00	ND	ND	ND		
o-Xylene	0.262	1.00	ND	ND	ND		
m- & p-Xylenes	0.476	2.00	ND	ND	ND		

Our Lab I.D.			296617	296620	296623		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		90	94	90		
Dibromofluoromethane	70-120		92	90	94		
Toluene-d8	70-120		96	92	96		

QUALITY CONTROL REPORT

QC Batch No: W1C-050113

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	106	99	6.8	75-120	15					
Chlorobenzene	95	93	2.1	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	83	81	2.4	75-120	15					
MTBE	103	107	3.8	75-120	15					
Toluene (Methyl benzene)	102	100	2.0	75-120	15					
Trichloroethene (TCE)	104	102	1.9	75-120	15					

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WORK ORDER NUMBER: 13-07-1227

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Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site / MCGU-13-2252

Attention: Jonathan Barkman
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 08/06/2013 by:
Vikas Patel
Project Manager

ResultLink

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Work Order Number: 13-07-1227

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Work Order Narrative

Work Order: 13-07-1227 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/18/13. They were assigned to Work Order 13-07-1227.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B101-2.5 (13-07-1227-1)						
Arsenic	5.22		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	97.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.333		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.51		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.21		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	170		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	12.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.176	J	0.132*	mg/kg	EPA 6010B	EPA 3050B
Nickel	16.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.221	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	71.3		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0519	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	22	J	5.9*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.9		0.95	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.15	J	0.14*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	37		0.95	ug/kg	EPA 8260B	EPA 5035
Toluene	1.0		0.95	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	1.3	J	0.29*	ug/kg	EPA 8260B	EPA 5035
B101-5 (13-07-1227-2)						
Arsenic	3.41		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	65.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.364		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.525		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.18		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	18.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.06		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	16.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	30.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	36.0		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0178	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	11	J	6.2*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.1		1.0	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

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3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B101-10 (13-07-1227-3)						
Acetone	6.8	J	6.2*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	3.9		0.99	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.35	J	0.30*	ug/kg	EPA 8260B	EPA 5035
B75-1 (13-07-1227-4)						
Acetone	22	J	5.5*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.3		0.88	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	11		8.8	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.2		0.88	ug/kg	EPA 8260B	EPA 5035
Toluene	0.63	J	0.45*	ug/kg	EPA 8260B	EPA 5035
B75-2.5 (13-07-1227-5)						
Arsenic	6.55		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	81.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.318		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.732		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	26.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.06		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	16.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	2.84		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	17.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	36.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Acetone	9.7	J	5.3*	ug/kg	EPA 8260B	EPA 5035
B75-5 (13-07-1227-6)						
Arsenic	7.60		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	161		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.421		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.800		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	19.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.81		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.77		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	42.0		1.00	mg/kg	EPA 6010B	EPA 3050B
Acetone	18	J	5.2*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.20	J	0.18*	ug/kg	EPA 8260B	EPA 5035

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Work Order: 13-07-1227
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Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B75-10 (13-07-1227-7)						
Acetone	6.1	J	4.9*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.15	J	0.10*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.97		0.79	ug/kg	EPA 8260B	EPA 5035
B74-1 (13-07-1227-8)						
Acetone	12	J	5.1*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.8		0.82	ug/kg	EPA 8260B	EPA 5035
2-Butanone	3.3	J	3.1*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	2.4	J	0.25*	ug/kg	EPA 8260B	EPA 5035
Chlorobenzene	0.46	J	0.18*	ug/kg	EPA 8260B	EPA 5035
1,4-Dichlorobenzene	0.27	J	0.18*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.20	J	0.12*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.93		0.82	ug/kg	EPA 8260B	EPA 5035
Toluene	1.1		0.82	ug/kg	EPA 8260B	EPA 5035
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.45	J	0.29*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.44	J	0.25*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.30	J	0.22*	ug/kg	EPA 8260B	EPA 5035
B74-2.5 (13-07-1227-9)						
Acetone	16	J	6.9*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.19	J	0.14*	ug/kg	EPA 8260B	EPA 5035
B74-10 (13-07-1227-11)						
Benzene	0.30	J	0.098*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.23	J	0.16*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.23	J	0.23*	ug/kg	EPA 8260B	EPA 5035
B100-1 (13-07-1227-12)						
Acetone	23	J	5.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.65	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	4.2	J	0.26*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.26	J	0.18*	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B100-2.5 (13-07-1227-13)						
Arsenic	4.61		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	93.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.329		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.47		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	32.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.10		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	187		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	12.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.439		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	16.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.188	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	68.0		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0834	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	26	J	6.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	2.6		1.0	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	17		10	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.16	J	0.15*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	6.1		1.0	ug/kg	EPA 8260B	EPA 5035
Toluene	1.3		1.0	ug/kg	EPA 8260B	EPA 5035
B100-5 (13-07-1227-14)						
Arsenic	4.33		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	76.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.402		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.654		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.81		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	19.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.02		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.170	J	0.132*	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	41.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0241	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	16	J	5.7*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.48	J	0.19*	ug/kg	EPA 8260B	EPA 5035
B100-10 (13-07-1227-15)						
Tetrachloroethene	1.5		1.0	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Attn: Jonathan Barkman

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B76-1 (13-07-1227-16)						
Acetone	11	J	5.8*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.75	J	0.12*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	2.4	J	0.29*	ug/kg	EPA 8260B	EPA 5035
B76-2.5 (13-07-1227-17)						
Antimony	5.11		0.750	mg/kg	EPA 6010B	EPA 3050B
Arsenic	30.6		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	121		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	25.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	25.6		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	55.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	31.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	196		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	36.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	23.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	42.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Selenium	23.2		0.750	mg/kg	EPA 6010B	EPA 3050B
Silver	13.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Thallium	22.4		0.750	mg/kg	EPA 6010B	EPA 3050B
Vanadium	61.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	96.0		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0491	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	18	J	5.1*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.84		0.82	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	8.3		8.2	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.78	J	0.17*	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

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3777 Long Beach Blvd., Annex Building
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Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B76-5 (13-07-1227-18)						
Arsenic	6.84		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	68.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.431		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.789		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	26.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.60		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	20.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.90		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.06		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	21.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	46.6		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.00817	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	15	J	5.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.14	J	0.10*	ug/kg	EPA 8260B	EPA 5035
B76-10 (13-07-1227-19)						
Benzene	0.35	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.36	J	0.17*	ug/kg	EPA 8260B	EPA 5035
B99-1 (13-07-1227-20)						
Acetone	8.6	J	5.4*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.7		0.86	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	1.6	J	0.26*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.96	B,J	0.26*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.42	J	0.18*	ug/kg	EPA 8260B	EPA 5035
Toluene	0.74	J	0.45*	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

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3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B99-2.5 (13-07-1227-21)						
Arsenic	1.58		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	105		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.385		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.929		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	15.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.68		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	32.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	36.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0126	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Benzene	0.42	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.41	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035
B99-5 (13-07-1227-22)						
Arsenic	4.88		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	85.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.312		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.02		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.73		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	39.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.82		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	15.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	45.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.00751	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	9.2	J	5.4*	ug/kg	EPA 8260B	EPA 5035
Benzene	2.5		0.87	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.28	J	0.27*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	1.3	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.22	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.6		0.87	ug/kg	EPA 8260B	EPA 5035
Toluene	1.7		0.87	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.74	J	0.26*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.32	J	0.23*	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B99-10 (13-07-1227-23)						
Chloromethane	0.29	B,J	0.26*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.5		0.87	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	1.2	J	0.26*	ug/kg	EPA 8260B	EPA 5035
B78-1 (13-07-1227-24)						
Acetone	66		42	ug/kg	EPA 8260B	EPA 5035
Benzene	0.40	J	0.11*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	19		17	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.28	J	0.26*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	0.33	J	0.23*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.85		0.84	ug/kg	EPA 8260B	EPA 5035
2-Hexanone	2.4	J	1.5*	ug/kg	EPA 8260B	EPA 5035
Naphthalene	1.5	J	0.68*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	48		0.84	ug/kg	EPA 8260B	EPA 5035
Toluene	5.9		0.84	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	14		1.7	ug/kg	EPA 8260B	EPA 5035
1,2,4-Trimethylbenzene	2.9		1.7	ug/kg	EPA 8260B	EPA 5035
1,3,5-Trimethylbenzene	0.69	J	0.46*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	3.7		1.7	ug/kg	EPA 8260B	EPA 5035
o-Xylene	1.8		0.84	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client:	Alta Environmental	Work Order:	13-07-1227
	3777 Long Beach Blvd., Annex Building	Project Name:	Panama Site / MCGU-13-2252
	Long Beach, CA 90802-3335	Received:	07/18/13
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Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B78-2.5 (13-07-1227-25)						
Arsenic	6.16		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	96.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.357		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.32		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	26.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.84		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	50.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.57		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.430		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	17.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.139	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	37.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	46.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Acetone	12	J	5.7*	ug/kg	EPA 8260B	EPA 5035
Benzene	2.0		0.92	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.94	J	0.28*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.23	J	0.19*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	19		0.92	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	0.79	J	0.47*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.17	J	0.14*	ug/kg	EPA 8260B	EPA 5035
4-Methyl-2-Pentanone	7.7	J	4.0*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	32		0.92	ug/kg	EPA 8260B	EPA 5035
Toluene	1.2		0.92	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	58		1.8	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

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Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B78-5 (13-07-1227-26)						
Arsenic	8.63		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	90.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.555		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.986		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.10		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	26.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.47		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.39		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	48.3		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0418	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	6.7	J	5.3*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.22	J	0.18*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	15		0.85	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	0.54	J	0.43*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	9.9		0.85	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	24		1.7	ug/kg	EPA 8260B	EPA 5035
B78-10 (13-07-1227-27)						
Acetone	9.5	J	6.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.30	J	0.13*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	10		1.0	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	20		1.0	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	40		2.0	ug/kg	EPA 8260B	EPA 5035
B77-1 (13-07-1227-28)						
Acetone	14	J	5.6*	ug/kg	EPA 8260B	EPA 5035
Benzene	2.0		0.89	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	3.5	J	0.27*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.30	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.17	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	4.9		0.89	ug/kg	EPA 8260B	EPA 5035
Toluene	1.3		0.89	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	2.4		1.8	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

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Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

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Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B77-2.5 (13-07-1227-29)						
Arsenic	4.46		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	104		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.362		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.64		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.85		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	198		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	13.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.72		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	17.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.328		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	71.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0753	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	17	J	6.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	3.6		1.0	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.36	J	0.31*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	2.1		1.0	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.24	J	0.15*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	56		1.0	ug/kg	EPA 8260B	EPA 5035
Toluene	1.9		1.0	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	49		2.0	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.28	J	0.27*	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
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Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B77-5 (13-07-1227-30)						
Arsenic	2.79		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	58.6		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.469		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.668		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	26.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.55		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	20.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.28		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	21.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	33.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	46.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.00872	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	12	J	5.1*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	1.8		0.81	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	10		0.81	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	8.7		1.6	ug/kg	EPA 8260B	EPA 5035
B77-10 (13-07-1227-31)						
c-1,2-Dichloroethene	1.2		0.96	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	12		0.96	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	7.8		1.9	ug/kg	EPA 8260B	EPA 5035
B98-1 (13-07-1227-32)						
Acetone	26	J	5.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.8		0.84	ug/kg	EPA 8260B	EPA 5035
2-Butanone	3.9	J	3.2*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.77	J	0.26*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.20	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.21	J	0.18*	ug/kg	EPA 8260B	EPA 5035
Toluene	1.3		0.84	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.27	J	0.25*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.37	J	0.23*	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

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Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B98-2.5 (13-07-1227-33)						
Arsenic	4.14		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	86.6		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.319		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.19		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	26.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.09		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	134		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	9.22		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.230	J	0.132*	mg/kg	EPA 6010B	EPA 3050B
Nickel	15.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	31.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	57.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0571	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	37	J	6.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	9.8		0.96	ug/kg	EPA 8260B	EPA 5035
2-Butanone	7.5	J	3.6*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.51	J	0.29*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	78		0.96	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	2.1		0.96	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	1.0		0.96	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	31		0.96	ug/kg	EPA 8260B	EPA 5035
Toluene	6.2		0.96	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	61		1.9	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	1.4	J	0.26*	ug/kg	EPA 8260B	EPA 5035
o-Xylene	0.66	J	0.53*	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

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3777 Long Beach Blvd., Annex Building
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Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B98-5 (13-07-1227-34)						
Arsenic	13.6		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	137		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.501		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.14		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.39		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	24.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.47		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.807		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	25.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	48.4		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0196	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	16	J	5.2*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	13		0.84	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.68	J	0.18*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	2.1		1.7	ug/kg	EPA 8260B	EPA 5035
B98-10 (13-07-1227-35)						
Acetone	6.4	J	5.9*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.37	J	0.29*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	9.9		0.94	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.2		0.94	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	3.5		1.9	ug/kg	EPA 8260B	EPA 5035
B79-1 (13-07-1227-36)						
Acetone	32	J	5.5*	ug/kg	EPA 8260B	EPA 5035
Benzene	2.8		0.88	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	1.1	J	0.27*	ug/kg	EPA 8260B	EPA 5035
Chlorobenzene	0.61	J	0.20*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.46	J	0.27*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.69	J	0.19*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethene	0.61	J	0.31*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	160		0.88	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	5.8		0.88	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	12		0.88	ug/kg	EPA 8260B	EPA 5035
Toluene	1.3		0.88	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	170		1.8	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

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Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B79-2.5 (13-07-1227-37)						
Arsenic	6.05		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	95.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.359		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.31		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.77		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	50.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.52		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.487		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	17.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.147	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	37.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	46.4		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0657	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	11	J	5.5*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.5		0.89	ug/kg	EPA 8260B	EPA 5035
Chlorobenzene	0.20	J	0.20*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	46		0.89	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.5		0.89	ug/kg	EPA 8260B	EPA 5035
Toluene	0.86	J	0.46*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	13		1.8	ug/kg	EPA 8260B	EPA 5035

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Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B79-5 (13-07-1227-38)						
Arsenic	6.92		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	83.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.430		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.800		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.87		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	20.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.53		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.21		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	47.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0114	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	16	J	5.1*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.17	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.70	J	0.25*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.23	J	0.17*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	64		0.82	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.91		0.82	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	6.2		1.6	ug/kg	EPA 8260B	EPA 5035
B79-10 (13-07-1227-39)						
Benzene	0.23	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.50	J	0.25*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.35	J	0.17*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethene	0.33	J	0.28*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	78		0.81	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	0.70	J	0.41*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.2		0.81	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	10		1.6	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B82-1 (13-07-1227-40)						
Acetone	30	J	5.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.2		0.83	ug/kg	EPA 8260B	EPA 5035
2-Butanone	6.1	J	3.1*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	1.0	J	0.25*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.35	J	0.25*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.29	J	0.18*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethene	0.29	J	0.29*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	36		0.83	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	6.0		0.83	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.68	J	0.17*	ug/kg	EPA 8260B	EPA 5035
Toluene	0.81	J	0.43*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	14		1.7	ug/kg	EPA 8260B	EPA 5035
B82-2.5 (13-07-1227-41)						
Arsenic	6.36		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	116		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.485		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.64		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	37.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.44		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	203		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	26.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	44.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	83.8		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0689	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	39	J	5.9*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.7		0.95	ug/kg	EPA 8260B	EPA 5035
2-Butanone	6.6	J	3.6*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.74	J	0.29*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	1.6		0.95	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.83	J	0.20*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethene	0.86	J	0.33*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	130		0.95	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	30		0.95	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.64	J	0.20*	ug/kg	EPA 8260B	EPA 5035
Toluene	0.62	J	0.49*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	25		1.9	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B82-5 (13-07-1227-42)						
Arsenic	6.04		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	88.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.540		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.736		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.69		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	25.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.50		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.89		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	25.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	54.3		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0131	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	18	J	5.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.23	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.28	J	0.25*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	2.9		0.83	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.41	J	0.18*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	45		0.83	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	5.3		0.83	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.30	J	0.17*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	5.7		1.7	ug/kg	EPA 8260B	EPA 5035
B82-10 (13-07-1227-43)						
Benzene	0.21	B,J	0.11*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	6.9		0.82	ug/kg	EPA 8260B	EPA 5035
1,4-Dichlorobenzene	0.27	J	0.18*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.31	J	0.17*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	33		0.82	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	2.7		0.82	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.70	J	0.17*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	6.8		1.6	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B80-1 (13-07-1227-44)						
Acetone	86		45	ug/kg	EPA 8260B	EPA 5035
Benzene	0.97	B	0.91	ug/kg	EPA 8260B	EPA 5035
2-Butanone	20		18	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	6.8	J	0.28*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.85	J	0.14*	ug/kg	EPA 8260B	EPA 5035
Naphthalene	2.0	J	0.74*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	230	E	0.91	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	550		95	ug/kg	EPA 8260B	EPA 5035
Toluene	7.9		0.91	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	1.1	J	0.27*	ug/kg	EPA 8260B	EPA 5035
1,2,4-Trimethylbenzene	2.1		1.8	ug/kg	EPA 8260B	EPA 5035
1,3,5-Trimethylbenzene	0.60	J	0.50*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	3.7		1.8	ug/kg	EPA 8260B	EPA 5035
o-Xylene	1.5		0.91	ug/kg	EPA 8260B	EPA 5035
B80-2.5 (13-07-1227-45)						
Arsenic	2.48		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	97.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.389		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.04		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.64		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	26.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.68		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	18.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	29.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	52.9		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0106	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	27	J	6.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	6.4		0.95	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.71	J	0.29*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.26	J	0.14*	ug/kg	EPA 8260B	EPA 5035
1,1,1,2-Tetrachloroethane	0.41	J	0.23*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	770	E	0.95	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	3400		100	ug/kg	EPA 8260B	EPA 5035
Toluene	2.6		0.95	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	5.8		1.9	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.29	J	0.26*	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B80-5 (13-07-1227-46)						
Arsenic	2.30		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	113		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.514		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.588		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.59		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	23.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.31		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.179	J	0.132*	mg/kg	EPA 6010B	EPA 3050B
Nickel	21.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	47.8		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0147	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	6.7	J	5.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.12	J	0.10*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	210	E	0.80	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	360		81	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	1.5	J	0.24*	ug/kg	EPA 8260B	EPA 5035
B80-10 (13-07-1227-47)						
Benzene	0.19	B,J	0.11*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	110		0.83	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.91	J	0.25*	ug/kg	EPA 8260B	EPA 5035
B88-1 (13-07-1227-48)						
Acetone	32	J	5.5*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.52	B,J	0.12*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	5.2	J	3.3*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	1.5	J	0.27*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	38		0.89	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	2.1		0.89	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	20		0.89	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	22		1.8	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B88-2.5 (13-07-1227-49)						
Arsenic	3.44		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	78.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.278		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.617		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	18.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.60		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	14.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.51		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.81		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	11.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	29.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	35.8		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0406	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	38	J	6.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.2		0.99	ug/kg	EPA 8260B	EPA 5035
2-Butanone	6.6	J	3.7*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	1.9	J	0.30*	ug/kg	EPA 8260B	EPA 5035
Chlorobenzene	0.27	J	0.22*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.63	J	0.30*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	50		0.99	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	1.8		0.99	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	46		0.99	ug/kg	EPA 8260B	EPA 5035
Toluene	0.56	J	0.51*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	46		2.0	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B88-5 (13-07-1227-50)						
Arsenic	18.1		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	90.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.687		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.38		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	43.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	39.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	5.37		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.54		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	32.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	68.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	68.1		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0185	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	10	J	5.9*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	10		0.94	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	6.1		0.94	ug/kg	EPA 8260B	EPA 5035
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.43	J	0.33*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	1.7	J	0.28*	ug/kg	EPA 8260B	EPA 5035
B88-10 (13-07-1227-51)						
Acetone	10	J	6.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.15	B,J	0.13*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.86	J	0.29*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	4.3		0.97	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	11		0.97	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	1.9	J	0.29*	ug/kg	EPA 8260B	EPA 5035
B86-1 (13-07-1227-52)						
Acetone	43		41	ug/kg	EPA 8260B	EPA 5035
Benzene	0.20	J	0.11*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	8.9	J	3.1*	ug/kg	EPA 8260B	EPA 5035
n-Butylbenzene	0.15	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.44	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Toluene	2.8		0.82	ug/kg	EPA 8260B	EPA 5035
1,2,4-Trimethylbenzene	2.1		1.6	ug/kg	EPA 8260B	EPA 5035
1,3,5-Trimethylbenzene	0.88	J	0.45*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	2.1		1.6	ug/kg	EPA 8260B	EPA 5035
o-Xylene	1.0		0.82	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Attn: Jonathan Barkman

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B86-2.5 (13-07-1227-53)						
Arsenic	3.72		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	117		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.421		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.804		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	18.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.94		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	20.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	6.65		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.12		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	12.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	38.8		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.336		0.0835	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	39	J	6.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.9		0.95	ug/kg	EPA 8260B	EPA 5035
2-Butanone	6.7	J	3.6*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.98	J	0.29*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	1.6		0.95	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethene	0.93	J	0.33*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	130		0.95	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	7.4		0.95	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.1		0.95	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	29		1.9	ug/kg	EPA 8260B	EPA 5035

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1227
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B86-5 (13-07-1227-54)						
Arsenic	9.39		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	142		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.674		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.08		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	38.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	34.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	5.37		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.37		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	32.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	50.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	62.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0845		0.0835	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	6.5	J	5.5*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	11		0.89	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.50	J	0.19*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	3.9		1.8	ug/kg	EPA 8260B	EPA 5035
B86-10 (13-07-1227-55)						
Chloromethane	0.27	J	0.24*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	8.5		0.80	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.29	J	0.17*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	3.0		1.6	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B101-2.5	**13-07-1227-1-A**	**07/18/13 07:45**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 19:38**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	5.22	0.750	0.259	1	
Barium	97.5	0.500	0.154	1	
Beryllium	0.333	0.250	0.137	1	
Cadmium	1.51	0.500	0.135	1	
Chromium	30.1	0.250	0.142	1	
Cobalt	6.21	0.250	0.148	1	
Copper	170	0.500	0.135	1	
Lead	12.1	0.500	0.132	1	
Molybdenum	0.176	0.250	0.132	1	J
Nickel	16.0	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.221	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	33.4	0.250	0.141	1	
Zinc	71.3	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B101-5	**13-07-1227-2-A**	**07/18/13 07:50**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 19:40**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	3.41	0.750	0.259	1	
Barium	65.2	0.500	0.154	1	
Beryllium	0.364	0.250	0.137	1	
Cadmium	0.525	0.500	0.135	1	
Chromium	25.3	0.250	0.142	1	
Cobalt	5.18	0.250	0.148	1	
Copper	18.7	0.500	0.135	1	
Lead	3.06	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	16.8	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	30.1	0.250	0.141	1	
Zinc	36.0	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-2.5	**13-07-1227-5-A**	**07/18/13 08:10**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 19:41**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.55	0.750	0.259	1	
Barium	81.5	0.500	0.154	1	
Beryllium	0.318	0.250	0.137	1	
Cadmium	0.732	0.500	0.135	1	
Chromium	26.7	0.250	0.142	1	
Cobalt	7.06	0.250	0.148	1	
Copper	16.0	0.500	0.135	1	
Lead	2.84	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	17.9	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	36.4	0.250	0.141	1	
Zinc	36.7	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-5	**13-07-1227-6-A**	**07/18/13 08:15**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 19:43**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	7.60	0.750	0.259	1	
Barium	161	0.500	0.154	1	
Beryllium	0.421	0.250	0.137	1	
Cadmium	0.800	0.500	0.135	1	
Chromium	25.5	0.250	0.142	1	
Cobalt	12.7	0.250	0.148	1	
Copper	19.0	0.500	0.135	1	
Lead	3.81	0.500	0.132	1	
Molybdenum	3.77	0.250	0.132	1	
Nickel	23.8	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	41.0	0.250	0.141	1	
Zinc	42.0	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-2.5	**13-07-1227-13-A**	**07/18/13 09:10**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 19:44**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.61	0.750	0.259	1	
Barium	93.0	0.500	0.154	1	
Beryllium	0.329	0.250	0.137	1	
Cadmium	1.47	0.500	0.135	1	
Chromium	32.3	0.250	0.142	1	
Cobalt	6.10	0.250	0.148	1	
Copper	187	0.500	0.135	1	
Lead	12.5	0.500	0.132	1	
Molybdenum	0.439	0.250	0.132	1	
Nickel	16.0	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.188	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	33.0	0.250	0.141	1	
Zinc	68.0	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-5	**13-07-1227-14-A**	**07/18/13 09:15**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 19:46**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.33	0.750	0.259	1	
Barium	76.1	0.500	0.154	1	
Beryllium	0.402	0.250	0.137	1	
Cadmium	0.654	0.500	0.135	1	
Chromium	27.8	0.250	0.142	1	
Cobalt	6.81	0.250	0.148	1	
Copper	19.1	0.500	0.135	1	
Lead	3.02	0.500	0.132	1	
Molybdenum	0.170	0.250	0.132	1	J
Nickel	31.4	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	32.9	0.250	0.141	1	
Zinc	41.7	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252 Page 7 of 28

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-2.5	**13-07-1227-17-A**	**07/18/13 09:40**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:28**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	5.11	0.750	0.149	1	
Arsenic	30.6	0.750	0.259	1	
Barium	121	0.500	0.154	1	
Beryllium	25.7	0.250	0.137	1	
Cadmium	25.6	0.500	0.135	1	
Chromium	55.7	0.250	0.142	1	
Cobalt	31.3	0.250	0.148	1	
Copper	196	0.500	0.135	1	
Lead	36.0	0.500	0.132	1	
Molybdenum	23.5	0.250	0.132	1	
Nickel	42.2	0.250	0.145	1	
Selenium	23.2	0.750	0.300	1	
Silver	13.6	0.250	0.0857	1	
Thallium	22.4	0.750	0.152	1	
Vanadium	61.0	0.250	0.141	1	
Zinc	96.0	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-5	**13-07-1227-18-A**	**07/18/13 09:45**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:30**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.84	0.750	0.259	1	
Barium	68.7	0.500	0.154	1	
Beryllium	0.431	0.250	0.137	1	
Cadmium	0.789	0.500	0.135	1	
Chromium	26.5	0.250	0.142	1	
Cobalt	6.60	0.250	0.148	1	
Copper	20.3	0.500	0.135	1	
Lead	3.90	0.500	0.132	1	
Molybdenum	1.06	0.250	0.132	1	
Nickel	21.1	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	38.7	0.250	0.141	1	
Zinc	46.6	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-2.5	**13-07-1227-21-A**	**07/18/13 10:05**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:31**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	1.58	0.750	0.259	1	
Barium	105	0.500	0.154	1	
Beryllium	0.385	0.250	0.137	1	
Cadmium	0.929	0.500	0.135	1	
Chromium	24.5	0.250	0.142	1	
Cobalt	11.4	0.250	0.148	1	
Copper	15.0	0.500	0.135	1	
Lead	3.68	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	22.5	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	32.6	0.250	0.141	1	
Zinc	36.7	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252 Page 10 of 28

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-5	**13-07-1227-22-A**	**07/18/13 10:10**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:33**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.88	0.750	0.259	1	
Barium	85.2	0.500	0.154	1	
Beryllium	0.312	0.250	0.137	1	
Cadmium	1.02	0.500	0.135	1	
Chromium	25.4	0.250	0.142	1	
Cobalt	6.73	0.250	0.148	1	
Copper	39.7	0.500	0.135	1	
Lead	3.82	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	15.9	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	33.4	0.250	0.141	1	
Zinc	45.7	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Panama Site / MCGU-13-2252			Page 11 of 28

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-2.5	**13-07-1227-25-A**	**07/18/13 10:25**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:34**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.16	0.750	0.259	1	
Barium	96.1	0.500	0.154	1	
Beryllium	0.357	0.250	0.137	1	
Cadmium	1.32	0.500	0.135	1	
Chromium	26.1	0.250	0.142	1	
Cobalt	7.84	0.250	0.148	1	
Copper	50.0	0.500	0.135	1	
Lead	4.57	0.500	0.132	1	
Molybdenum	0.430	0.250	0.132	1	
Nickel	17.4	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.139	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	37.5	0.250	0.141	1	
Zinc	46.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-5	**13-07-1227-26-A**	**07/18/13 10:30**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:36**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	8.63	0.750	0.259	1	
Barium	90.1	0.500	0.154	1	
Beryllium	0.555	0.250	0.137	1	
Cadmium	0.986	0.500	0.135	1	
Chromium	30.1	0.250	0.142	1	
Cobalt	8.10	0.250	0.148	1	
Copper	26.0	0.500	0.135	1	
Lead	4.47	0.500	0.132	1	
Molybdenum	1.39	0.250	0.132	1	
Nickel	24.5	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	45.3	0.250	0.141	1	
Zinc	48.3	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-2.5	**13-07-1227-29-A**	**07/18/13 11:05**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:37**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.46	0.750	0.259	1	
Barium	104	0.500	0.154	1	
Beryllium	0.362	0.250	0.137	1	
Cadmium	1.64	0.500	0.135	1	
Chromium	33.1	0.250	0.142	1	
Cobalt	6.85	0.250	0.148	1	
Copper	198	0.500	0.135	1	
Lead	13.4	0.500	0.132	1	
Molybdenum	1.72	0.250	0.132	1	
Nickel	17.8	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.328	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	35.9	0.250	0.141	1	
Zinc	71.7	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-5	**13-07-1227-30-A**	**07/18/13 11:10**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:38**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	2.79	0.750	0.259	1	
Barium	58.6	0.500	0.154	1	
Beryllium	0.469	0.250	0.137	1	
Cadmium	0.668	0.500	0.135	1	
Chromium	26.9	0.250	0.142	1	
Cobalt	6.55	0.250	0.148	1	
Copper	20.8	0.500	0.135	1	
Lead	4.28	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	21.5	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	33.0	0.250	0.141	1	
Zinc	46.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-2.5	**13-07-1227-33-A**	**07/18/13 11:50**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:40**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.14	0.750	0.259	1	
Barium	86.6	0.500	0.154	1	
Beryllium	0.319	0.250	0.137	1	
Cadmium	1.19	0.500	0.135	1	
Chromium	26.1	0.250	0.142	1	
Cobalt	6.09	0.250	0.148	1	
Copper	134	0.500	0.135	1	
Lead	9.22	0.500	0.132	1	
Molybdenum	0.230	0.250	0.132	1	J
Nickel	15.7	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	31.7	0.250	0.141	1	
Zinc	57.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Panama Site / MCGU-13-2252			Page 16 of 28

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-5	**13-07-1227-34-A**	**07/18/13 11:55**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:41**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	13.6	0.750	0.259	1	
Barium	137	0.500	0.154	1	
Beryllium	0.501	0.250	0.137	1	
Cadmium	1.14	0.500	0.135	1	
Chromium	27.8	0.250	0.142	1	
Cobalt	8.39	0.250	0.148	1	
Copper	24.4	0.500	0.135	1	
Lead	4.47	0.500	0.132	1	
Molybdenum	0.807	0.250	0.132	1	
Nickel	25.6	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	45.8	0.250	0.141	1	
Zinc	48.4	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-2.5	**13-07-1227-37-A**	**07/18/13 12:45**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:46**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.05	0.750	0.259	1	
Barium	95.4	0.500	0.154	1	
Beryllium	0.359	0.250	0.137	1	
Cadmium	1.31	0.500	0.135	1	
Chromium	25.9	0.250	0.142	1	
Cobalt	7.77	0.250	0.148	1	
Copper	50.2	0.500	0.135	1	
Lead	4.52	0.500	0.132	1	
Molybdenum	0.487	0.250	0.132	1	
Nickel	17.3	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.147	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	37.3	0.250	0.141	1	
Zinc	46.4	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-5	**13-07-1227-38-A**	**07/18/13 12:50**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:47**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.92	0.750	0.259	1	
Barium	83.3	0.500	0.154	1	
Beryllium	0.430	0.250	0.137	1	
Cadmium	0.800	0.500	0.135	1	
Chromium	28.5	0.250	0.142	1	
Cobalt	6.87	0.250	0.148	1	
Copper	20.4	0.500	0.135	1	
Lead	3.53	0.500	0.132	1	
Molybdenum	1.21	0.250	0.132	1	
Nickel	22.1	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	40.3	0.250	0.141	1	
Zinc	47.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-2.5	**13-07-1227-41-A**	**07/18/13 13:20**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:49**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.36	0.750	0.259	1	
Barium	116	0.500	0.154	1	
Beryllium	0.485	0.250	0.137	1	
Cadmium	1.64	0.500	0.135	1	
Chromium	37.3	0.250	0.142	1	
Cobalt	9.44	0.250	0.148	1	
Copper	203	0.500	0.135	1	
Lead	26.2	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	24.0	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	44.2	0.250	0.141	1	
Zinc	83.8	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-5	**13-07-1227-42-A**	**07/18/13 13:25**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:50**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.04	0.750	0.259	1	
Barium	88.5	0.500	0.154	1	
Beryllium	0.540	0.250	0.137	1	
Cadmium	0.736	0.500	0.135	1	
Chromium	30.4	0.250	0.142	1	
Cobalt	7.69	0.250	0.148	1	
Copper	25.1	0.500	0.135	1	
Lead	4.50	0.500	0.132	1	
Molybdenum	1.89	0.250	0.132	1	
Nickel	25.5	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	40.3	0.250	0.141	1	
Zinc	54.3	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-2.5	**13-07-1227-45-A**	**07/18/13 13:50**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:51**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	2.48	0.750	0.259	1	
Barium	97.7	0.500	0.154	1	
Beryllium	0.389	0.250	0.137	1	
Cadmium	1.04	0.500	0.135	1	
Chromium	25.6	0.250	0.142	1	
Cobalt	7.64	0.250	0.148	1	
Copper	26.3	0.500	0.135	1	
Lead	3.68	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	18.1	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	29.5	0.250	0.141	1	
Zinc	52.9	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-5	**13-07-1227-46-A**	**07/18/13 13:55**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:53**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	2.30	0.750	0.259	1	
Barium	113	0.500	0.154	1	
Beryllium	0.514	0.250	0.137	1	
Cadmium	0.588	0.500	0.135	1	
Chromium	28.6	0.250	0.142	1	
Cobalt	5.59	0.250	0.148	1	
Copper	23.4	0.500	0.135	1	
Lead	4.31	0.500	0.132	1	
Molybdenum	0.179	0.250	0.132	1	J
Nickel	21.2	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	38.0	0.250	0.141	1	
Zinc	47.8	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-2.5	**13-07-1227-49-A**	**07/18/13 14:20**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:54**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	3.44	0.750	0.259	1	
Barium	78.1	0.500	0.154	1	
Beryllium	0.278	0.250	0.137	1	
Cadmium	0.617	0.500	0.135	1	
Chromium	18.0	0.250	0.142	1	
Cobalt	7.60	0.250	0.148	1	
Copper	14.5	0.500	0.135	1	
Lead	4.51	0.500	0.132	1	
Molybdenum	1.81	0.250	0.132	1	
Nickel	11.6	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	29.2	0.250	0.141	1	
Zinc	35.8	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-5	**13-07-1227-50-A**	**07/18/13 14:25**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:56**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	18.1	0.750	0.259	1	
Barium	90.8	0.500	0.154	1	
Beryllium	0.687	0.250	0.137	1	
Cadmium	1.38	0.500	0.135	1	
Chromium	43.4	0.250	0.142	1	
Cobalt	10.1	0.250	0.148	1	
Copper	39.4	0.500	0.135	1	
Lead	5.37	0.500	0.132	1	
Molybdenum	2.54	0.250	0.132	1	
Nickel	32.9	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	68.6	0.250	0.141	1	
Zinc	68.1	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-2.5	**13-07-1227-53-A**	**07/18/13 15:05**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:57**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	3.72	0.750	0.259	1	
Barium	117	0.500	0.154	1	
Beryllium	0.421	0.250	0.137	1	
Cadmium	0.804	0.500	0.135	1	
Chromium	18.9	0.250	0.142	1	
Cobalt	7.94	0.250	0.148	1	
Copper	20.9	0.500	0.135	1	
Lead	6.65	0.500	0.132	1	
Molybdenum	3.12	0.250	0.132	1	
Nickel	12.8	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	36.4	0.250	0.141	1	
Zinc	38.8	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 3050B
		Method:	EPA 6010B
		Units:	mg/kg
Project: Panama Site / MCGU-13-2252			Page 26 of 28

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-5	**13-07-1227-54-A**	**07/18/13 15:10**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 20:58**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	9.39	0.750	0.259	1	
Barium	142	0.500	0.154	1	
Beryllium	0.674	0.250	0.137	1	
Cadmium	1.08	0.500	0.135	1	
Chromium	38.7	0.250	0.142	1	
Cobalt	11.6	0.250	0.148	1	
Copper	34.4	0.500	0.135	1	
Lead	5.37	0.500	0.132	1	
Molybdenum	2.37	0.250	0.132	1	
Nickel	32.2	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	50.9	0.250	0.141	1	
Zinc	62.7	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-17083**	**N/A**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 18:59**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	ND	0.750	0.259	1	
Barium	ND	0.500	0.154	1	
Beryllium	ND	0.250	0.137	1	
Cadmium	ND	0.500	0.135	1	
Chromium	ND	0.250	0.142	1	
Cobalt	ND	0.250	0.148	1	
Copper	ND	0.500	0.135	1	
Lead	ND	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	ND	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	ND	0.250	0.141	1	
Zinc	ND	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-17093**	**N/A**	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 19:32**	**130722L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	ND	0.750	0.259	1	
Barium	ND	0.500	0.154	1	
Beryllium	ND	0.250	0.137	1	
Cadmium	ND	0.500	0.135	1	
Chromium	ND	0.250	0.142	1	
Cobalt	ND	0.250	0.148	1	
Copper	ND	0.500	0.135	1	
Lead	ND	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	ND	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	ND	0.250	0.141	1	
Zinc	ND	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B101-2.5	**13-07-1227-1-A**	**07/18/13 07:45**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 11:55**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0519	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B101-5	**13-07-1227-2-A**	**07/18/13 07:50**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:01**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0178	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-2.5	**13-07-1227-5-A**	**07/18/13 08:10**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:04**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-5	**13-07-1227-6-A**	**07/18/13 08:15**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:06**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-2.5	**13-07-1227-13-A**	**07/18/13 09:10**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:08**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0834	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-5	**13-07-1227-14-A**	**07/18/13 09:15**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:15**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0241	0.0835	0.00588	1	J

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-2.5	**13-07-1227-17-A**	**07/18/13 09:40**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:17**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0491	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-5	**13-07-1227-18-A**	**07/18/13 09:45**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:19**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.00817	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-2.5	**13-07-1227-21-A**	**07/18/13 10:05**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:22**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0126	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-5	**13-07-1227-22-A**	**07/18/13 10:10**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:24**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.00751	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-2.5	**13-07-1227-25-A**	**07/18/13 10:25**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:26**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-5	**13-07-1227-26-A**	**07/18/13 10:30**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:28**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0418	0.0835	0.00588	1	J

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-2.5	**13-07-1227-29-A**	**07/18/13 11:05**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:30**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0753	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-5	**13-07-1227-30-A**	**07/18/13 11:10**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:33**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.00872	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-2.5	**13-07-1227-33-A**	**07/18/13 11:50**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 12:35**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0571	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-5	**13-07-1227-34-A**	**07/18/13 11:55**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:32**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0196	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-2.5	**13-07-1227-37-A**	**07/18/13 12:45**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:34**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0657	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-5	**13-07-1227-38-A**	**07/18/13 12:50**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:37**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0114	0.0835	0.00588	1	J

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-2.5	**13-07-1227-41-A**	**07/18/13 13:20**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:39**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0689	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-5	**13-07-1227-42-A**	**07/18/13 13:25**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:41**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0131	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-2.5	**13-07-1227-45-A**	**07/18/13 13:50**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:43**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0106	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-5	**13-07-1227-46-A**	**07/18/13 13:55**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:46**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0147	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-2.5	**13-07-1227-49-A**	**07/18/13 14:20**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:48**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0406	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-5	**13-07-1227-50-A**	**07/18/13 14:25**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:50**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0185	0.0835	0.00588	1	J

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-2.5	**13-07-1227-53-A**	**07/18/13 15:05**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:52**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.336	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-5	**13-07-1227-54-A**	**07/18/13 15:10**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 13:59**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0845	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-007-9466**	**N/A**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:45**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-007-9465**	**N/A**	**Soil**	**Mercury**	**07/22/13**	**07/23/13 11:50**	**130722L15**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B101-2.5	**13-07-1227-1-A**	**07/18/13 07:45**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/25/13 03:53**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	72	28-139	

B101-5	**13-07-1227-2-A**	**07/18/13 07:50**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 21:25**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	86	28-139	

B101-10	**13-07-1227-3-A**	**07/18/13 07:55**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 21:43**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	72	28-139	

B75-1	**13-07-1227-4-A**	**07/18/13 08:05**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 22:02**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	74	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-2.5	**13-07-1227-5-A**	**07/18/13 08:10**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/24/13 21:00**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	49	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-5	**13-07-1227-6-A**	**07/18/13 08:15**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 22:21**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	65	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-10	**13-07-1227-7-A**	**07/18/13 08:20**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 22:39**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	72	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-1	**13-07-1227-12-A**	**07/18/13 09:05**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 00:14**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	86	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-2.5	**13-07-1227-13-A**	**07/18/13 09:10**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/24/13 22:52**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	87	28-139	

B100-5	**13-07-1227-14-A**	**07/18/13 09:15**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 22:59**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	58	28-139	

B100-10	**13-07-1227-15-A**	**07/18/13 09:20**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 23:17**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	61	28-139	

B76-1	**13-07-1227-16-A**	**07/18/13 09:35**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 12:10**	**130731L12**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	63	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-2.5	**13-07-1227-17-A**	**07/18/13 09:40**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/25/13 04:13**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	62	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-5	**13-07-1227-18-A**	**07/18/13 09:45**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/24/13 21:19**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	66	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-10	**13-07-1227-19-A**	**07/18/13 09:50**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 23:36**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	67	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-1	**13-07-1227-20-A**	**07/18/13 10:00**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 23:55**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	63	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-2.5	**13-07-1227-21-A**	**07/18/13 10:05**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/25/13 04:31**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	61	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-5	**13-07-1227-22-A**	**07/18/13 10:10**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 00:53**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-10	**13-07-1227-23-A**	**07/18/13 10:15**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/03/13 00:14**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	81	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-1	**13-07-1227-24-A**	**07/18/13 10:20**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 01:13**	**130731L12**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.10	0.014	4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	78	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-2.5	**13-07-1227-25-A**	**07/18/13 10:25**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/24/13 21:37**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	55	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-5	**13-07-1227-26-A**	**07/18/13 10:30**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/24/13 21:57**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	73	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-10	**13-07-1227-27-A**	**07/18/13 10:35**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/03/13 00:32**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	57	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-1	**13-07-1227-28-A**	**07/18/13 11:00**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 01:33**	**130731L12**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	78	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-2.5	**13-07-1227-29-A**	**07/18/13 11:05**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/24/13 23:30**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	66	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-5	**13-07-1227-30-A**	**07/18/13 11:10**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/03/13 00:51**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	67	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-10	**13-07-1227-31-A**	**07/18/13 11:15**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/03/13 01:10**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	63	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-1	**13-07-1227-32-A**	**07/18/13 11:45**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/03/13 01:29**	**130731L13**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	77	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-2.5	**13-07-1227-33-A**	**07/18/13 11:50**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/24/13 22:15**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	82	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-5	**13-07-1227-34-A**	**07/18/13 11:55**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/03/13 01:48**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	72	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-10	**13-07-1227-35-A**	**07/18/13 12:00**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/03/13 02:07**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	60	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-1	**13-07-1227-36-A**	**07/18/13 12:40**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 02:13**	**130731L13**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	70	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-2.5	**13-07-1227-37-A**	**07/18/13 12:45**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 02:31**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	65	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-5	**13-07-1227-38-A**	**07/18/13 12:50**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/24/13 22:34**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	79	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-10	**13-07-1227-39-A**	**07/18/13 12:55**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/01/13 21:07**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	113	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-1	**13-07-1227-40-A**	**07/18/13 13:15**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 01:53**	**130731L13**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	84	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-2.5	**13-07-1227-41-A**	**07/18/13 13:20**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/25/13 14:51**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	54	28-139	

B82-5	**13-07-1227-42-A**	**07/18/13 13:25**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 20:28**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	54	28-139	

B82-10	**13-07-1227-43-A**	**07/18/13 13:30**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 20:46**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	62	28-139	

B80-1	**13-07-1227-44-A**	**07/18/13 13:45**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 12:30**	**130731L13**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	19	28-139	1,2,6

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-2.5	**13-07-1227-45-A**	**07/18/13 13:50**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 13:26**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	58	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-5	**13-07-1227-46-A**	**07/18/13 13:55**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/01/13 21:25**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	74	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-10	**13-07-1227-47-A**	**07/18/13 14:00**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/01/13 21:45**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	77	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-1	**13-07-1227-48-A**	**07/18/13 14:15**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 08:33**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	55	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-2.5	**13-07-1227-49-A**	**07/18/13 14:20**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 08:51**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	59	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-5	**13-07-1227-50-A**	**07/18/13 14:25**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/03/13 02:25**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-10	**13-07-1227-51-A**	**07/18/13 14:30**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/02/13 21:05**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	60	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-1	**13-07-1227-52-A**	**07/18/13 15:00**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/05/13 09:48**	**130731L13**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	100	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-2.5	**13-07-1227-53-A**	**07/18/13 15:05**	**Soil**	**GC/MS DDD**	**07/31/13**	**07/25/13 15:10**	**130722L06**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.080	0.011	3.2	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	42	28-139	

B86-5	**13-07-1227-54-A**	**07/18/13 15:10**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/03/13 02:44**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	70	28-139	

B86-10	**13-07-1227-55-A**	**07/18/13 15:15**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/01/13 22:03**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	50	28-139	

Method Blank	**099-09-011-110**	**N/A**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/23/13 10:34**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	80	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-116**	**N/A**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 13:07**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-115**	**N/A**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/01/13 20:06**	**130731L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	65	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-114**	**N/A**	**Soil**	**GC/MS DDD**	**07/31/13**	**08/01/13 23:56**	**130731L13**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	57	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B101-2.5	**13-07-1227-1-C**	**07/18/13 07:45**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 15:13**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	22	48	5.9	0.951	J
Benzene	1.9	0.95	0.12	0.951	
Bromobenzene	ND	0.95	0.20	0.951	
Bromochloromethane	ND	1.9	0.66	0.951	
Bromodichloromethane	ND	0.95	0.22	0.951	
Bromoform	ND	4.8	0.76	0.951	
Bromomethane	ND	19	9.0	0.951	
2-Butanone	ND	19	3.6	0.951	
n-Butylbenzene	ND	0.95	0.15	0.951	
sec-Butylbenzene	ND	0.95	0.55	0.951	
tert-Butylbenzene	ND	0.95	0.14	0.951	
Carbon Disulfide	ND	9.5	0.29	0.951	
Carbon Tetrachloride	ND	0.95	0.27	0.951	
Chlorobenzene	ND	0.95	0.21	0.951	
Chloroethane	ND	1.9	1.4	0.951	
Chloroform	ND	0.95	0.23	0.951	
Chloromethane	ND	19	0.29	0.951	
2-Chlorotoluene	ND	0.95	0.22	0.951	
4-Chlorotoluene	ND	0.95	0.20	0.951	
Dibromochloromethane	ND	1.9	0.54	0.951	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.7	0.951	
1,2-Dibromoethane	ND	0.95	0.24	0.951	
Dibromomethane	ND	0.95	0.74	0.951	
1,2-Dichlorobenzene	ND	0.95	0.22	0.951	
1,3-Dichlorobenzene	ND	0.95	0.17	0.951	
1,4-Dichlorobenzene	ND	0.95	0.21	0.951	
Dichlorodifluoromethane	ND	1.9	0.42	0.951	
1,1-Dichloroethane	ND	0.95	0.20	0.951	
1,2-Dichloroethane	ND	0.95	0.30	0.951	
1,1-Dichloroethene	ND	0.95	0.33	0.951	
c-1,2-Dichloroethene	ND	0.95	0.27	0.951	
t-1,2-Dichloroethene	ND	0.95	0.48	0.951	
1,2-Dichloropropane	ND	0.95	0.42	0.951	
1,3-Dichloropropane	ND	0.95	0.24	0.951	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.8	0.31	0.951	
1,1-Dichloropropene	ND	1.9	0.31	0.951	
c-1,3-Dichloropropene	ND	0.95	0.24	0.951	
t-1,3-Dichloropropene	ND	1.9	0.58	0.951	
Ethylbenzene	0.15	0.95	0.14	0.951	J
2-Hexanone	ND	19	1.7	0.951	
Isopropylbenzene	ND	0.95	0.52	0.951	
p-Isopropyltoluene	ND	0.95	0.60	0.951	
Methylene Chloride	ND	9.5	1.3	0.951	
4-Methyl-2-Pentanone	ND	19	4.1	0.951	
Naphthalene	ND	9.5	0.77	0.951	
n-Propylbenzene	ND	1.9	0.48	0.951	
Styrene	ND	0.95	0.57	0.951	
1,1,1,2-Tetrachloroethane	ND	0.95	0.23	0.951	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	0.951	
Tetrachloroethene	37	0.95	0.20	0.951	
Toluene	1.0	0.95	0.49	0.951	
1,2,3-Trichlorobenzene	ND	1.9	0.87	0.951	
1,2,4-Trichlorobenzene	ND	1.9	0.30	0.951	
1,1,1-Trichloroethane	ND	0.95	0.21	0.951	
1,1,2-Trichloroethane	ND	0.95	0.34	0.951	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	0.33	0.951	
Trichloroethene	1.3	1.9	0.29	0.951	J
Trichlorofluoromethane	ND	9.5	0.36	0.951	
1,2,3-Trichloropropane	ND	1.9	0.79	0.951	
1,2,4-Trimethylbenzene	ND	1.9	0.56	0.951	
1,3,5-Trimethylbenzene	ND	1.9	0.52	0.951	
Vinyl Acetate	ND	9.5	4.5	0.951	
Vinyl Chloride	ND	0.95	0.48	0.951	
p/m-Xylene	ND	1.9	0.25	0.951	
o-Xylene	ND	0.95	0.53	0.951	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.951	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	121	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B101-5	**13-07-1227-2-C**	**07/18/13 07:50**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 15:39**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	11	50	6.2	1	J
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental	Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building	Work Order:	13-07-1227
Long Beach, CA 90802-3335	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Panama Site / MCGU-13-2252		Page 4 of 131

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	2.1	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	114	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B101-10	**13-07-1227-3-C**	**07/18/13 07:55**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 16:05**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.8	49	6.2	0.986	J
Benzene	ND	0.99	0.13	0.986	
Bromobenzene	ND	0.99	0.21	0.986	
Bromochloromethane	ND	2.0	0.68	0.986	
Bromodichloromethane	ND	0.99	0.23	0.986	
Bromoform	ND	4.9	0.78	0.986	
Bromomethane	ND	20	9.3	0.986	
2-Butanone	ND	20	3.7	0.986	
n-Butylbenzene	ND	0.99	0.15	0.986	
sec-Butylbenzene	ND	0.99	0.57	0.986	
tert-Butylbenzene	ND	0.99	0.15	0.986	
Carbon Disulfide	ND	9.9	0.30	0.986	
Carbon Tetrachloride	ND	0.99	0.28	0.986	
Chlorobenzene	ND	0.99	0.22	0.986	
Chloroethane	ND	2.0	1.5	0.986	
Chloroform	ND	0.99	0.24	0.986	
Chloromethane	ND	20	0.30	0.986	
2-Chlorotoluene	ND	0.99	0.23	0.986	
4-Chlorotoluene	ND	0.99	0.21	0.986	
Dibromochloromethane	ND	2.0	0.56	0.986	
1,2-Dibromo-3-Chloropropane	ND	4.9	1.7	0.986	
1,2-Dibromoethane	ND	0.99	0.25	0.986	
Dibromomethane	ND	0.99	0.76	0.986	
1,2-Dichlorobenzene	ND	0.99	0.23	0.986	
1,3-Dichlorobenzene	ND	0.99	0.17	0.986	
1,4-Dichlorobenzene	ND	0.99	0.22	0.986	
Dichlorodifluoromethane	ND	2.0	0.44	0.986	
1,1-Dichloroethane	ND	0.99	0.21	0.986	
1,2-Dichloroethane	ND	0.99	0.31	0.986	
1,1-Dichloroethene	ND	0.99	0.34	0.986	
c-1,2-Dichloroethene	ND	0.99	0.28	0.986	
t-1,2-Dichloroethene	ND	0.99	0.50	0.986	
1,2-Dichloropropane	ND	0.99	0.43	0.986	
1,3-Dichloropropane	ND	0.99	0.25	0.986	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental	Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building	Work Order:	13-07-1227
Long Beach, CA 90802-3335	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Panama Site / MCGU-13-2252		Page 6 of 131

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.33	0.986	
1,1-Dichloropropene	ND	2.0	0.32	0.986	
c-1,3-Dichloropropene	ND	0.99	0.25	0.986	
t-1,3-Dichloropropene	ND	2.0	0.60	0.986	
Ethylbenzene	ND	0.99	0.15	0.986	
2-Hexanone	ND	20	1.7	0.986	
Isopropylbenzene	ND	0.99	0.54	0.986	
p-Isopropyltoluene	ND	0.99	0.62	0.986	
Methylene Chloride	ND	9.9	1.3	0.986	
4-Methyl-2-Pentanone	ND	20	4.3	0.986	
Naphthalene	ND	9.9	0.80	0.986	
n-Propylbenzene	ND	2.0	0.49	0.986	
Styrene	ND	0.99	0.60	0.986	
1,1,1,2-Tetrachloroethane	ND	0.99	0.24	0.986	
1,1,2,2-Tetrachloroethane	ND	2.0	0.34	0.986	
Tetrachloroethene	3.9	0.99	0.21	0.986	
Toluene	ND	0.99	0.51	0.986	
1,2,3-Trichlorobenzene	ND	2.0	0.90	0.986	
1,2,4-Trichlorobenzene	ND	2.0	0.31	0.986	
1,1,1-Trichloroethane	ND	0.99	0.22	0.986	
1,1,2-Trichloroethane	ND	0.99	0.35	0.986	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.9	0.35	0.986	
Trichloroethene	0.35	2.0	0.30	0.986	J
Trichlorofluoromethane	ND	9.9	0.37	0.986	
1,2,3-Trichloropropane	ND	2.0	0.82	0.986	
1,2,4-Trimethylbenzene	ND	2.0	0.58	0.986	
1,3,5-Trimethylbenzene	ND	2.0	0.54	0.986	
Vinyl Acetate	ND	9.9	4.7	0.986	
Vinyl Chloride	ND	0.99	0.50	0.986	
p/m-Xylene	ND	2.0	0.26	0.986	
o-Xylene	ND	0.99	0.55	0.986	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.29	0.986	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	116	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-1	**13-07-1227-4-C**	**07/18/13 08:05**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 16:32**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	22	44	5.5	0.88	J
Benzene	1.3	0.88	0.11	0.88	
Bromobenzene	ND	0.88	0.18	0.88	
Bromochloromethane	ND	1.8	0.61	0.88	
Bromodichloromethane	ND	0.88	0.20	0.88	
Bromoform	ND	4.4	0.70	0.88	
Bromomethane	ND	18	8.3	0.88	
2-Butanone	ND	18	3.3	0.88	
n-Butylbenzene	ND	0.88	0.14	0.88	
sec-Butylbenzene	ND	0.88	0.51	0.88	
tert-Butylbenzene	ND	0.88	0.13	0.88	
Carbon Disulfide	11	8.8	0.27	0.88	
Carbon Tetrachloride	ND	0.88	0.25	0.88	
Chlorobenzene	ND	0.88	0.20	0.88	
Chloroethane	ND	1.8	1.3	0.88	
Chloroform	ND	0.88	0.21	0.88	
Chloromethane	ND	18	0.27	0.88	
2-Chlorotoluene	ND	0.88	0.20	0.88	
4-Chlorotoluene	ND	0.88	0.19	0.88	
Dibromochloromethane	ND	1.8	0.50	0.88	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.88	
1,2-Dibromoethane	ND	0.88	0.22	0.88	
Dibromomethane	ND	0.88	0.68	0.88	
1,2-Dichlorobenzene	ND	0.88	0.20	0.88	
1,3-Dichlorobenzene	ND	0.88	0.15	0.88	
1,4-Dichlorobenzene	ND	0.88	0.20	0.88	
Dichlorodifluoromethane	ND	1.8	0.39	0.88	
1,1-Dichloroethane	ND	0.88	0.19	0.88	
1,2-Dichloroethane	ND	0.88	0.28	0.88	
1,1-Dichloroethene	ND	0.88	0.30	0.88	
c-1,2-Dichloroethene	ND	0.88	0.25	0.88	
t-1,2-Dichloroethene	ND	0.88	0.45	0.88	
1,2-Dichloropropane	ND	0.88	0.39	0.88	
1,3-Dichloropropane	ND	0.88	0.22	0.88	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.88	
1,1-Dichloropropene	ND	1.8	0.29	0.88	
c-1,3-Dichloropropene	ND	0.88	0.22	0.88	
t-1,3-Dichloropropene	ND	1.8	0.53	0.88	
Ethylbenzene	ND	0.88	0.13	0.88	
2-Hexanone	ND	18	1.6	0.88	
Isopropylbenzene	ND	0.88	0.48	0.88	
p-Isopropyltoluene	ND	0.88	0.55	0.88	
Methylene Chloride	ND	8.8	1.2	0.88	
4-Methyl-2-Pentanone	ND	18	3.8	0.88	
Naphthalene	ND	8.8	0.72	0.88	
n-Propylbenzene	ND	1.8	0.44	0.88	
Styrene	ND	0.88	0.53	0.88	
1,1,1,2-Tetrachloroethane	ND	0.88	0.21	0.88	
1,1,2,2-Tetrachloroethane	ND	1.8	0.30	0.88	
Tetrachloroethene	2.2	0.88	0.18	0.88	
Toluene	0.63	0.88	0.45	0.88	J
1,2,3-Trichlorobenzene	ND	1.8	0.80	0.88	
1,2,4-Trichlorobenzene	ND	1.8	0.27	0.88	
1,1,1-Trichloroethane	ND	0.88	0.20	0.88	
1,1,2-Trichloroethane	ND	0.88	0.31	0.88	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.31	0.88	
Trichloroethene	ND	1.8	0.26	0.88	
Trichlorofluoromethane	ND	8.8	0.33	0.88	
1,2,3-Trichloropropane	ND	1.8	0.73	0.88	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.88	
1,3,5-Trimethylbenzene	ND	1.8	0.48	0.88	
Vinyl Acetate	ND	8.8	4.2	0.88	
Vinyl Chloride	ND	0.88	0.44	0.88	
p/m-Xylene	ND	1.8	0.24	0.88	
o-Xylene	ND	0.88	0.49	0.88	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.88	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	113	79-133	
1,2-Dichloroethane-d4	124	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-2.5	**13-07-1227-5-C**	**07/18/13 08:10**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 16:58**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	9.7	43	5.3	0.852	J
Benzene	ND	0.85	0.11	0.852	
Bromobenzene	ND	0.85	0.18	0.852	
Bromochloromethane	ND	1.7	0.59	0.852	
Bromodichloromethane	ND	0.85	0.20	0.852	
Bromoform	ND	4.3	0.68	0.852	
Bromomethane	ND	17	8.0	0.852	
2-Butanone	ND	17	3.2	0.852	
n-Butylbenzene	ND	0.85	0.13	0.852	
sec-Butylbenzene	ND	0.85	0.49	0.852	
tert-Butylbenzene	ND	0.85	0.13	0.852	
Carbon Disulfide	ND	8.5	0.26	0.852	
Carbon Tetrachloride	ND	0.85	0.24	0.852	
Chlorobenzene	ND	0.85	0.19	0.852	
Chloroethane	ND	1.7	1.3	0.852	
Chloroform	ND	0.85	0.20	0.852	
Chloromethane	ND	17	0.26	0.852	
2-Chlorotoluene	ND	0.85	0.20	0.852	
4-Chlorotoluene	ND	0.85	0.18	0.852	
Dibromochloromethane	ND	1.7	0.49	0.852	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.852	
1,2-Dibromoethane	ND	0.85	0.22	0.852	
Dibromomethane	ND	0.85	0.66	0.852	
1,2-Dichlorobenzene	ND	0.85	0.19	0.852	
1,3-Dichlorobenzene	ND	0.85	0.15	0.852	
1,4-Dichlorobenzene	ND	0.85	0.19	0.852	
Dichlorodifluoromethane	ND	1.7	0.38	0.852	
1,1-Dichloroethane	ND	0.85	0.18	0.852	
1,2-Dichloroethane	ND	0.85	0.27	0.852	
1,1-Dichloroethene	ND	0.85	0.29	0.852	
c-1,2-Dichloroethene	ND	0.85	0.24	0.852	
t-1,2-Dichloroethene	ND	0.85	0.43	0.852	
1,2-Dichloropropane	ND	0.85	0.37	0.852	
1,3-Dichloropropane	ND	0.85	0.22	0.852	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.3	0.28	0.852	
1,1-Dichloropropene	ND	1.7	0.28	0.852	
c-1,3-Dichloropropene	ND	0.85	0.22	0.852	
t-1,3-Dichloropropene	ND	1.7	0.52	0.852	
Ethylbenzene	ND	0.85	0.13	0.852	
2-Hexanone	ND	17	1.5	0.852	
Isopropylbenzene	ND	0.85	0.47	0.852	
p-Isopropyltoluene	ND	0.85	0.54	0.852	
Methylene Chloride	ND	8.5	1.1	0.852	
4-Methyl-2-Pentanone	ND	17	3.7	0.852	
Naphthalene	ND	8.5	0.69	0.852	
n-Propylbenzene	ND	1.7	0.43	0.852	
Styrene	ND	0.85	0.52	0.852	
1,1,1,2-Tetrachloroethane	ND	0.85	0.20	0.852	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.852	
Tetrachloroethene	ND	0.85	0.18	0.852	
Toluene	ND	0.85	0.44	0.852	
1,2,3-Trichlorobenzene	ND	1.7	0.78	0.852	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.852	
1,1,1-Trichloroethane	ND	0.85	0.19	0.852	
1,1,2-Trichloroethane	ND	0.85	0.30	0.852	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.5	0.30	0.852	
Trichloroethene	ND	1.7	0.26	0.852	
Trichlorofluoromethane	ND	8.5	0.32	0.852	
1,2,3-Trichloropropane	ND	1.7	0.71	0.852	
1,2,4-Trimethylbenzene	ND	1.7	0.50	0.852	
1,3,5-Trimethylbenzene	ND	1.7	0.47	0.852	
Vinyl Acetate	ND	8.5	4.0	0.852	
Vinyl Chloride	ND	0.85	0.43	0.852	
p/m-Xylene	ND	1.7	0.23	0.852	
o-Xylene	ND	0.85	0.47	0.852	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.852	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	115	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-5	**13-07-1227-6-C**	**07/18/13 08:15**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 17:24**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	18	42	5.2	0.839	J
Benzene	ND	0.84	0.11	0.839	
Bromobenzene	ND	0.84	0.18	0.839	
Bromochloromethane	ND	1.7	0.58	0.839	
Bromodichloromethane	ND	0.84	0.20	0.839	
Bromoform	ND	4.2	0.67	0.839	
Bromomethane	ND	17	7.9	0.839	
2-Butanone	ND	17	3.2	0.839	
n-Butylbenzene	ND	0.84	0.13	0.839	
sec-Butylbenzene	ND	0.84	0.48	0.839	
tert-Butylbenzene	ND	0.84	0.13	0.839	
Carbon Disulfide	ND	8.4	0.26	0.839	
Carbon Tetrachloride	ND	0.84	0.24	0.839	
Chlorobenzene	ND	0.84	0.19	0.839	
Chloroethane	ND	1.7	1.3	0.839	
Chloroform	ND	0.84	0.20	0.839	
Chloromethane	ND	17	0.26	0.839	
2-Chlorotoluene	ND	0.84	0.19	0.839	
4-Chlorotoluene	ND	0.84	0.18	0.839	
Dibromochloromethane	ND	1.7	0.48	0.839	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.839	
1,2-Dibromoethane	ND	0.84	0.21	0.839	
Dibromomethane	ND	0.84	0.65	0.839	
1,2-Dichlorobenzene	ND	0.84	0.19	0.839	
1,3-Dichlorobenzene	ND	0.84	0.15	0.839	
1,4-Dichlorobenzene	ND	0.84	0.19	0.839	
Dichlorodifluoromethane	ND	1.7	0.37	0.839	
1,1-Dichloroethane	ND	0.84	0.18	0.839	
1,2-Dichloroethane	ND	0.84	0.26	0.839	
1,1-Dichloroethene	ND	0.84	0.29	0.839	
c-1,2-Dichloroethene	ND	0.84	0.23	0.839	
t-1,2-Dichloroethene	ND	0.84	0.42	0.839	
1,2-Dichloropropane	ND	0.84	0.37	0.839	
1,3-Dichloropropane	ND	0.84	0.21	0.839	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.839	
1,1-Dichloropropene	ND	1.7	0.28	0.839	
c-1,3-Dichloropropene	ND	0.84	0.21	0.839	
t-1,3-Dichloropropene	ND	1.7	0.51	0.839	
Ethylbenzene	ND	0.84	0.13	0.839	
2-Hexanone	ND	17	1.5	0.839	
Isopropylbenzene	ND	0.84	0.46	0.839	
p-Isopropyltoluene	ND	0.84	0.53	0.839	
Methylene Chloride	ND	8.4	1.1	0.839	
4-Methyl-2-Pentanone	ND	17	3.6	0.839	
Naphthalene	ND	8.4	0.68	0.839	
n-Propylbenzene	ND	1.7	0.42	0.839	
Styrene	ND	0.84	0.51	0.839	
1,1,1,2-Tetrachloroethane	ND	0.84	0.20	0.839	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.839	
Tetrachloroethene	0.20	0.84	0.18	0.839	J
Toluene	ND	0.84	0.43	0.839	
1,2,3-Trichlorobenzene	ND	1.7	0.77	0.839	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.839	
1,1,1-Trichloroethane	ND	0.84	0.19	0.839	
1,1,2-Trichloroethane	ND	0.84	0.30	0.839	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.30	0.839	
Trichloroethene	ND	1.7	0.25	0.839	
Trichlorofluoromethane	ND	8.4	0.31	0.839	
1,2,3-Trichloropropane	ND	1.7	0.70	0.839	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.839	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.839	
Vinyl Acetate	ND	8.4	4.0	0.839	
Vinyl Chloride	ND	0.84	0.42	0.839	
p/m-Xylene	ND	1.7	0.22	0.839	
o-Xylene	ND	0.84	0.47	0.839	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.839	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	120	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 13 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B75-10	**13-07-1227-7-C**	**07/18/13 08:20**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 17:50**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.1	40	4.9	0.79	J
Benzene	0.15	0.79	0.10	0.79	J
Bromobenzene	ND	0.79	0.17	0.79	
Bromochloromethane	ND	1.6	0.55	0.79	
Bromodichloromethane	ND	0.79	0.18	0.79	
Bromoform	ND	4.0	0.63	0.79	
Bromomethane	ND	16	7.4	0.79	
2-Butanone	ND	16	3.0	0.79	
n-Butylbenzene	ND	0.79	0.12	0.79	
sec-Butylbenzene	ND	0.79	0.46	0.79	
tert-Butylbenzene	ND	0.79	0.12	0.79	
Carbon Disulfide	ND	7.9	0.24	0.79	
Carbon Tetrachloride	ND	0.79	0.22	0.79	
Chlorobenzene	ND	0.79	0.18	0.79	
Chloroethane	ND	1.6	1.2	0.79	
Chloroform	ND	0.79	0.19	0.79	
Chloromethane	ND	16	0.24	0.79	
2-Chlorotoluene	ND	0.79	0.18	0.79	
4-Chlorotoluene	ND	0.79	0.17	0.79	
Dibromochloromethane	ND	1.6	0.45	0.79	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.79	
1,2-Dibromoethane	ND	0.79	0.20	0.79	
Dibromomethane	ND	0.79	0.61	0.79	
1,2-Dichlorobenzene	ND	0.79	0.18	0.79	
1,3-Dichlorobenzene	ND	0.79	0.14	0.79	
1,4-Dichlorobenzene	ND	0.79	0.18	0.79	
Dichlorodifluoromethane	ND	1.6	0.35	0.79	
1,1-Dichloroethane	ND	0.79	0.17	0.79	
1,2-Dichloroethane	ND	0.79	0.25	0.79	
1,1-Dichloroethene	ND	0.79	0.27	0.79	
c-1,2-Dichloroethene	ND	0.79	0.22	0.79	
t-1,2-Dichloroethene	ND	0.79	0.40	0.79	
1,2-Dichloropropane	ND	0.79	0.35	0.79	
1,3-Dichloropropane	ND	0.79	0.20	0.79	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	0.79	
1,1-Dichloropropene	ND	1.6	0.26	0.79	
c-1,3-Dichloropropene	ND	0.79	0.20	0.79	
t-1,3-Dichloropropene	ND	1.6	0.48	0.79	
Ethylbenzene	ND	0.79	0.12	0.79	
2-Hexanone	ND	16	1.4	0.79	
Isopropylbenzene	ND	0.79	0.43	0.79	
p-Isopropyltoluene	ND	0.79	0.50	0.79	
Methylene Chloride	ND	7.9	1.1	0.79	
4-Methyl-2-Pentanone	ND	16	3.4	0.79	
Naphthalene	ND	7.9	0.64	0.79	
n-Propylbenzene	ND	1.6	0.40	0.79	
Styrene	ND	0.79	0.48	0.79	
1,1,1,2-Tetrachloroethane	ND	0.79	0.19	0.79	
1,1,2,2-Tetrachloroethane	ND	1.6	0.27	0.79	
Tetrachloroethene	0.97	0.79	0.17	0.79	
Toluene	ND	0.79	0.41	0.79	
1,2,3-Trichlorobenzene	ND	1.6	0.72	0.79	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.79	
1,1,1-Trichloroethane	ND	0.79	0.18	0.79	
1,1,2-Trichloroethane	ND	0.79	0.28	0.79	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.9	0.28	0.79	
Trichloroethene	ND	1.6	0.24	0.79	
Trichlorofluoromethane	ND	7.9	0.30	0.79	
1,2,3-Trichloropropane	ND	1.6	0.66	0.79	
1,2,4-Trimethylbenzene	ND	1.6	0.46	0.79	
1,3,5-Trimethylbenzene	ND	1.6	0.43	0.79	
Vinyl Acetate	ND	7.9	3.7	0.79	
Vinyl Chloride	ND	0.79	0.40	0.79	
p/m-Xylene	ND	1.6	0.21	0.79	
o-Xylene	ND	0.79	0.44	0.79	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.23	0.79	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	116	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 15 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-1	**13-07-1227-8-C**	**07/18/13 08:45**	**Soil**	**GC/MS LL**	**07/18/13**	**07/27/13 17:12**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	12	41	5.1	0.818	J
Benzene	1.8	0.82	0.11	0.818	
Bromobenzene	ND	0.82	0.17	0.818	
Bromochloromethane	ND	1.6	0.56	0.818	
Bromodichloromethane	ND	0.82	0.19	0.818	
Bromoform	ND	4.1	0.65	0.818	
Bromomethane	ND	16	7.7	0.818	
2-Butanone	3.3	16	3.1	0.818	J
n-Butylbenzene	ND	0.82	0.13	0.818	
sec-Butylbenzene	ND	0.82	0.47	0.818	
tert-Butylbenzene	ND	0.82	0.12	0.818	
Carbon Disulfide	2.4	8.2	0.25	0.818	J
Carbon Tetrachloride	ND	0.82	0.23	0.818	
Chlorobenzene	0.46	0.82	0.18	0.818	J
Chloroethane	ND	1.6	1.2	0.818	
Chloroform	ND	0.82	0.20	0.818	
Chloromethane	ND	16	0.25	0.818	
2-Chlorotoluene	ND	0.82	0.19	0.818	
4-Chlorotoluene	ND	0.82	0.17	0.818	
Dibromochloromethane	ND	1.6	0.47	0.818	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.818	
1,2-Dibromoethane	ND	0.82	0.21	0.818	
Dibromomethane	ND	0.82	0.63	0.818	
1,2-Dichlorobenzene	ND	0.82	0.19	0.818	
1,3-Dichlorobenzene	ND	0.82	0.14	0.818	
1,4-Dichlorobenzene	0.27	0.82	0.18	0.818	J
Dichlorodifluoromethane	ND	1.6	0.36	0.818	
1,1-Dichloroethane	ND	0.82	0.17	0.818	
1,2-Dichloroethane	ND	0.82	0.26	0.818	
1,1-Dichloroethene	ND	0.82	0.28	0.818	
c-1,2-Dichloroethene	ND	0.82	0.23	0.818	
t-1,2-Dichloroethene	ND	0.82	0.41	0.818	
1,2-Dichloropropane	ND	0.82	0.36	0.818	
1,3-Dichloropropane	ND	0.82	0.21	0.818	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.818	
1,1-Dichloropropene	ND	1.6	0.27	0.818	
c-1,3-Dichloropropene	ND	0.82	0.21	0.818	
t-1,3-Dichloropropene	ND	1.6	0.50	0.818	
Ethylbenzene	0.20	0.82	0.12	0.818	J
2-Hexanone	ND	16	1.4	0.818	
Isopropylbenzene	ND	0.82	0.45	0.818	
p-Isopropyltoluene	ND	0.82	0.52	0.818	
Methylene Chloride	ND	8.2	1.1	0.818	
4-Methyl-2-Pentanone	ND	16	3.5	0.818	
Naphthalene	ND	8.2	0.67	0.818	
n-Propylbenzene	ND	1.6	0.41	0.818	
Styrene	ND	0.82	0.49	0.818	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	0.818	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.818	
Tetrachloroethene	0.93	0.82	0.17	0.818	
Toluene	1.1	0.82	0.42	0.818	
1,2,3-Trichlorobenzene	ND	1.6	0.75	0.818	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.818	
1,1,1-Trichloroethane	ND	0.82	0.18	0.818	
1,1,2-Trichloroethane	ND	0.82	0.29	0.818	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.45	8.2	0.29	0.818	J
Trichloroethene	0.44	1.6	0.25	0.818	J
Trichlorofluoromethane	ND	8.2	0.31	0.818	
1,2,3-Trichloropropane	ND	1.6	0.68	0.818	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.818	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.818	
Vinyl Acetate	ND	8.2	3.9	0.818	
Vinyl Chloride	ND	0.82	0.41	0.818	
p/m-Xylene	0.30	1.6	0.22	0.818	J
o-Xylene	ND	0.82	0.46	0.818	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.818	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	90	79-133	
1,2-Dichloroethane-d4	95	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-2.5	**13-07-1227-9-B**	**07/18/13 08:50**	**Soil**	**GC/MS PP**	**07/18/13**	**07/31/13 19:50**	**130731L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	16	56	6.9	1.11	J
Benzene	0.19	1.1	0.14	1.11	J
Bromobenzene	ND	1.1	0.23	1.11	
Bromochloromethane	ND	2.2	0.77	1.11	
Bromodichloromethane	ND	1.1	0.26	1.11	
Bromoform	ND	5.6	0.88	1.11	
Bromomethane	ND	22	10	1.11	
2-Butanone	ND	22	4.2	1.11	
n-Butylbenzene	ND	1.1	0.17	1.11	
sec-Butylbenzene	ND	1.1	0.64	1.11	
tert-Butylbenzene	ND	1.1	0.17	1.11	
Carbon Disulfide	ND	11	0.34	1.11	
Carbon Tetrachloride	ND	1.1	0.31	1.11	
Chlorobenzene	ND	1.1	0.25	1.11	
Chloroethane	ND	2.2	1.7	1.11	
Chloroform	ND	1.1	0.27	1.11	
Chloromethane	ND	22	0.34	1.11	
2-Chlorotoluene	ND	1.1	0.26	1.11	
4-Chlorotoluene	ND	1.1	0.24	1.11	
Dibromochloromethane	ND	2.2	0.63	1.11	
1,2-Dibromo-3-Chloropropane	ND	5.6	1.9	1.11	
1,2-Dibromoethane	ND	1.1	0.28	1.11	
Dibromomethane	ND	1.1	0.86	1.11	
1,2-Dichlorobenzene	ND	1.1	0.25	1.11	
1,3-Dichlorobenzene	ND	1.1	0.20	1.11	
1,4-Dichlorobenzene	ND	1.1	0.25	1.11	
Dichlorodifluoromethane	ND	2.2	0.49	1.11	
1,1-Dichloroethane	ND	1.1	0.23	1.11	
1,2-Dichloroethane	ND	1.1	0.35	1.11	
1,1-Dichloroethene	ND	1.1	0.38	1.11	
c-1,2-Dichloroethene	ND	1.1	0.31	1.11	
t-1,2-Dichloroethene	ND	1.1	0.56	1.11	
1,2-Dichloropropane	ND	1.1	0.49	1.11	
1,3-Dichloropropane	ND	1.1	0.28	1.11	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.6	0.37	1.11	
1,1-Dichloropropene	ND	2.2	0.36	1.11	
c-1,3-Dichloropropene	ND	1.1	0.28	1.11	
t-1,3-Dichloropropene	ND	2.2	0.67	1.11	
Ethylbenzene	ND	1.1	0.17	1.11	
2-Hexanone	ND	22	2.0	1.11	
Isopropylbenzene	ND	1.1	0.61	1.11	
p-Isopropyltoluene	ND	1.1	0.70	1.11	
Methylene Chloride	ND	11	1.5	1.11	
4-Methyl-2-Pentanone	ND	22	4.8	1.11	
Naphthalene	ND	11	0.90	1.11	
n-Propylbenzene	ND	2.2	0.56	1.11	
Styrene	ND	1.1	0.67	1.11	
1,1,1,2-Tetrachloroethane	ND	1.1	0.27	1.11	
1,1,2,2-Tetrachloroethane	ND	2.2	0.38	1.11	
Tetrachloroethene	ND	1.1	0.23	1.11	
Toluene	ND	1.1	0.57	1.11	
1,2,3-Trichlorobenzene	ND	2.2	1.0	1.11	
1,2,4-Trichlorobenzene	ND	2.2	0.34	1.11	
1,1,1-Trichloroethane	ND	1.1	0.25	1.11	
1,1,2-Trichloroethane	ND	1.1	0.39	1.11	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	0.39	1.11	
Trichloroethene	ND	2.2	0.33	1.11	
Trichlorofluoromethane	ND	11	0.42	1.11	
1,2,3-Trichloropropane	ND	2.2	0.92	1.11	
1,2,4-Trimethylbenzene	ND	2.2	0.65	1.11	
1,3,5-Trimethylbenzene	ND	2.2	0.61	1.11	
Vinyl Acetate	ND	11	5.3	1.11	
Vinyl Chloride	ND	1.1	0.56	1.11	
p/m-Xylene	ND	2.2	0.30	1.11	
o-Xylene	ND	1.1	0.62	1.11	
Methyl-t-Butyl Ether (MTBE)	ND	2.2	0.33	1.11	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-5	**13-07-1227-10-B**	**07/18/13 08:55**	**Soil**	**GC/MS PP**	**07/18/13**	**07/31/13 20:16**	**130731L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	54	6.8	1.09	
Benzene	ND	1.1	0.14	1.09	
Bromobenzene	ND	1.1	0.23	1.09	
Bromochloromethane	ND	2.2	0.75	1.09	
Bromodichloromethane	ND	1.1	0.25	1.09	
Bromoform	ND	5.4	0.87	1.09	
Bromomethane	ND	22	10	1.09	
2-Butanone	ND	22	4.1	1.09	
n-Butylbenzene	ND	1.1	0.17	1.09	
sec-Butylbenzene	ND	1.1	0.63	1.09	
tert-Butylbenzene	ND	1.1	0.16	1.09	
Carbon Disulfide	ND	11	0.33	1.09	
Carbon Tetrachloride	ND	1.1	0.31	1.09	
Chlorobenzene	ND	1.1	0.24	1.09	
Chloroethane	ND	2.2	1.6	1.09	
Chloroform	ND	1.1	0.26	1.09	
Chloromethane	ND	22	0.33	1.09	
2-Chlorotoluene	ND	1.1	0.25	1.09	
4-Chlorotoluene	ND	1.1	0.23	1.09	
Dibromochloromethane	ND	2.2	0.62	1.09	
1,2-Dibromo-3-Chloropropane	ND	5.4	1.9	1.09	
1,2-Dibromoethane	ND	1.1	0.28	1.09	
Dibromomethane	ND	1.1	0.84	1.09	
1,2-Dichlorobenzene	ND	1.1	0.25	1.09	
1,3-Dichlorobenzene	ND	1.1	0.19	1.09	
1,4-Dichlorobenzene	ND	1.1	0.24	1.09	
Dichlorodifluoromethane	ND	2.2	0.48	1.09	
1,1-Dichloroethane	ND	1.1	0.23	1.09	
1,2-Dichloroethane	ND	1.1	0.34	1.09	
1,1-Dichloroethene	ND	1.1	0.38	1.09	
c-1,2-Dichloroethene	ND	1.1	0.30	1.09	
t-1,2-Dichloroethene	ND	1.1	0.55	1.09	
1,2-Dichloropropane	ND	1.1	0.48	1.09	
1,3-Dichloropropane	ND	1.1	0.28	1.09	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.4	0.36	1.09	
1,1-Dichloropropene	ND	2.2	0.36	1.09	
c-1,3-Dichloropropene	ND	1.1	0.28	1.09	
t-1,3-Dichloropropene	ND	2.2	0.66	1.09	
Ethylbenzene	ND	1.1	0.17	1.09	
2-Hexanone	ND	22	1.9	1.09	
Isopropylbenzene	ND	1.1	0.60	1.09	
p-Isopropyltoluene	ND	1.1	0.69	1.09	
Methylene Chloride	ND	11	1.5	1.09	
4-Methyl-2-Pentanone	ND	22	4.7	1.09	
Naphthalene	ND	11	0.89	1.09	
n-Propylbenzene	ND	2.2	0.55	1.09	
Styrene	ND	1.1	0.66	1.09	
1,1,1,2-Tetrachloroethane	ND	1.1	0.26	1.09	
1,1,2,2-Tetrachloroethane	ND	2.2	0.38	1.09	
Tetrachloroethene	ND	1.1	0.23	1.09	
Toluene	ND	1.1	0.56	1.09	
1,2,3-Trichlorobenzene	ND	2.2	1.0	1.09	
1,2,4-Trichlorobenzene	ND	2.2	0.34	1.09	
1,1,1-Trichloroethane	ND	1.1	0.25	1.09	
1,1,2-Trichloroethane	ND	1.1	0.39	1.09	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	0.38	1.09	
Trichloroethene	ND	2.2	0.33	1.09	
Trichlorofluoromethane	ND	11	0.41	1.09	
1,2,3-Trichloropropane	ND	2.2	0.90	1.09	
1,2,4-Trimethylbenzene	ND	2.2	0.64	1.09	
1,3,5-Trimethylbenzene	ND	2.2	0.60	1.09	
Vinyl Acetate	ND	11	5.2	1.09	
Vinyl Chloride	ND	1.1	0.55	1.09	
p/m-Xylene	ND	2.2	0.29	1.09	
o-Xylene	ND	1.1	0.61	1.09	
Methyl-t-Butyl Ether (MTBE)	ND	2.2	0.32	1.09	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-10	**13-07-1227-11-C**	**07/18/13 09:00**	**Soil**	**GC/MS LL**	**07/18/13**	**07/27/13 17:40**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	38	4.7	0.754	
Benzene	0.30	0.75	0.098	0.754	J
Bromobenzene	ND	0.75	0.16	0.754	
Bromochloromethane	ND	1.5	0.52	0.754	
Bromodichloromethane	ND	0.75	0.18	0.754	
Bromoform	ND	3.8	0.60	0.754	
Bromomethane	ND	15	7.1	0.754	
2-Butanone	ND	15	2.8	0.754	
n-Butylbenzene	ND	0.75	0.12	0.754	
sec-Butylbenzene	ND	0.75	0.44	0.754	
tert-Butylbenzene	ND	0.75	0.11	0.754	
Carbon Disulfide	ND	7.5	0.23	0.754	
Carbon Tetrachloride	ND	0.75	0.21	0.754	
Chlorobenzene	ND	0.75	0.17	0.754	
Chloroethane	ND	1.5	1.1	0.754	
Chloroform	ND	0.75	0.18	0.754	
Chloromethane	ND	15	0.23	0.754	
2-Chlorotoluene	ND	0.75	0.17	0.754	
4-Chlorotoluene	ND	0.75	0.16	0.754	
Dibromochloromethane	ND	1.5	0.43	0.754	
1,2-Dibromo-3-Chloropropane	ND	3.8	1.3	0.754	
1,2-Dibromoethane	ND	0.75	0.19	0.754	
Dibromomethane	ND	0.75	0.58	0.754	
1,2-Dichlorobenzene	ND	0.75	0.17	0.754	
1,3-Dichlorobenzene	ND	0.75	0.13	0.754	
1,4-Dichlorobenzene	ND	0.75	0.17	0.754	
Dichlorodifluoromethane	ND	1.5	0.33	0.754	
1,1-Dichloroethane	ND	0.75	0.16	0.754	
1,2-Dichloroethane	ND	0.75	0.24	0.754	
1,1-Dichloroethene	ND	0.75	0.26	0.754	
c-1,2-Dichloroethene	ND	0.75	0.21	0.754	
t-1,2-Dichloroethene	ND	0.75	0.38	0.754	
1,2-Dichloropropane	ND	0.75	0.33	0.754	
1,3-Dichloropropane	ND	0.75	0.19	0.754	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	3.8	0.25	0.754	
1,1-Dichloropropene	ND	1.5	0.25	0.754	
c-1,3-Dichloropropene	ND	0.75	0.19	0.754	
t-1,3-Dichloropropene	ND	1.5	0.46	0.754	
Ethylbenzene	ND	0.75	0.11	0.754	
2-Hexanone	ND	15	1.3	0.754	
Isopropylbenzene	ND	0.75	0.41	0.754	
p-Isopropyltoluene	ND	0.75	0.47	0.754	
Methylene Chloride	ND	7.5	1.0	0.754	
4-Methyl-2-Pentanone	ND	15	3.3	0.754	
Naphthalene	ND	7.5	0.61	0.754	
n-Propylbenzene	ND	1.5	0.38	0.754	
Styrene	ND	0.75	0.46	0.754	
1,1,1,2-Tetrachloroethane	ND	0.75	0.18	0.754	
1,1,2,2-Tetrachloroethane	ND	1.5	0.26	0.754	
Tetrachloroethene	0.23	0.75	0.16	0.754	J
Toluene	ND	0.75	0.39	0.754	
1,2,3-Trichlorobenzene	ND	1.5	0.69	0.754	
1,2,4-Trichlorobenzene	ND	1.5	0.23	0.754	
1,1,1-Trichloroethane	ND	0.75	0.17	0.754	
1,1,2-Trichloroethane	ND	0.75	0.27	0.754	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.5	0.27	0.754	
Trichloroethene	0.23	1.5	0.23	0.754	J
Trichlorofluoromethane	ND	7.5	0.28	0.754	
1,2,3-Trichloropropane	ND	1.5	0.63	0.754	
1,2,4-Trimethylbenzene	ND	1.5	0.44	0.754	
1,3,5-Trimethylbenzene	ND	1.5	0.41	0.754	
Vinyl Acetate	ND	7.5	3.6	0.754	
Vinyl Chloride	ND	0.75	0.38	0.754	
p/m-Xylene	ND	1.5	0.20	0.754	
o-Xylene	ND	0.75	0.42	0.754	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	0.22	0.754	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	89	79-133	
1,2-Dichloroethane-d4	94	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-1	**13-07-1227-12-C**	**07/18/13 09:05**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 18:17**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	23	42	5.2	0.838	J
Benzene	0.65	0.84	0.11	0.838	J
Bromobenzene	ND	0.84	0.18	0.838	
Bromochloromethane	ND	1.7	0.58	0.838	
Bromodichloromethane	ND	0.84	0.20	0.838	
Bromoform	ND	4.2	0.67	0.838	
Bromomethane	ND	17	7.9	0.838	
2-Butanone	ND	17	3.2	0.838	
n-Butylbenzene	ND	0.84	0.13	0.838	
sec-Butylbenzene	ND	0.84	0.48	0.838	
tert-Butylbenzene	ND	0.84	0.13	0.838	
Carbon Disulfide	4.2	8.4	0.26	0.838	J
Carbon Tetrachloride	ND	0.84	0.24	0.838	
Chlorobenzene	ND	0.84	0.19	0.838	
Chloroethane	ND	1.7	1.3	0.838	
Chloroform	ND	0.84	0.20	0.838	
Chloromethane	ND	17	0.25	0.838	
2-Chlorotoluene	ND	0.84	0.19	0.838	
4-Chlorotoluene	ND	0.84	0.18	0.838	
Dibromochloromethane	ND	1.7	0.48	0.838	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.838	
1,2-Dibromoethane	ND	0.84	0.21	0.838	
Dibromomethane	ND	0.84	0.65	0.838	
1,2-Dichlorobenzene	ND	0.84	0.19	0.838	
1,3-Dichlorobenzene	ND	0.84	0.15	0.838	
1,4-Dichlorobenzene	ND	0.84	0.19	0.838	
Dichlorodifluoromethane	ND	1.7	0.37	0.838	
1,1-Dichloroethane	ND	0.84	0.18	0.838	
1,2-Dichloroethane	ND	0.84	0.26	0.838	
1,1-Dichloroethene	ND	0.84	0.29	0.838	
c-1,2-Dichloroethene	ND	0.84	0.23	0.838	
t-1,2-Dichloroethene	ND	0.84	0.42	0.838	
1,2-Dichloropropane	ND	0.84	0.37	0.838	
1,3-Dichloropropane	ND	0.84	0.21	0.838	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.838	
1,1-Dichloropropene	ND	1.7	0.28	0.838	
c-1,3-Dichloropropene	ND	0.84	0.21	0.838	
t-1,3-Dichloropropene	ND	1.7	0.51	0.838	
Ethylbenzene	ND	0.84	0.13	0.838	
2-Hexanone	ND	17	1.5	0.838	
Isopropylbenzene	ND	0.84	0.46	0.838	
p-Isopropyltoluene	ND	0.84	0.53	0.838	
Methylene Chloride	ND	8.4	1.1	0.838	
4-Methyl-2-Pentanone	ND	17	3.6	0.838	
Naphthalene	ND	8.4	0.68	0.838	
n-Propylbenzene	ND	1.7	0.42	0.838	
Styrene	ND	0.84	0.51	0.838	
1,1,1,2-Tetrachloroethane	ND	0.84	0.20	0.838	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.838	
Tetrachloroethene	0.26	0.84	0.18	0.838	J
Toluene	ND	0.84	0.43	0.838	
1,2,3-Trichlorobenzene	ND	1.7	0.77	0.838	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.838	
1,1,1-Trichloroethane	ND	0.84	0.19	0.838	
1,1,2-Trichloroethane	ND	0.84	0.30	0.838	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.29	0.838	
Trichloroethene	ND	1.7	0.25	0.838	
Trichlorofluoromethane	ND	8.4	0.31	0.838	
1,2,3-Trichloropropane	ND	1.7	0.70	0.838	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.838	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.838	
Vinyl Acetate	ND	8.4	4.0	0.838	
Vinyl Chloride	ND	0.84	0.42	0.838	
p/m-Xylene	ND	1.7	0.22	0.838	
o-Xylene	ND	0.84	0.47	0.838	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.838	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	113	79-133	
1,2-Dichloroethane-d4	128	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-2.5	**13-07-1227-13-C**	**07/18/13 09:10**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 18:43**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	26	50	6.2	1	J
Benzene	2.6	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	17	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	0.16	1.0	0.15	1	J
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	6.1	1.0	0.21	1	
Toluene	1.3	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	116	79-133	
1,2-Dichloroethane-d4	128	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-5	**13-07-1227-14-C**	**07/18/13 09:15**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 19:09**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	16	46	5.7	0.921	J
Benzene	ND	0.92	0.12	0.921	
Bromobenzene	ND	0.92	0.19	0.921	
Bromochloromethane	ND	1.8	0.64	0.921	
Bromodichloromethane	ND	0.92	0.21	0.921	
Bromoform	ND	4.6	0.73	0.921	
Bromomethane	ND	18	8.7	0.921	
2-Butanone	ND	18	3.5	0.921	
n-Butylbenzene	ND	0.92	0.14	0.921	
sec-Butylbenzene	ND	0.92	0.53	0.921	
tert-Butylbenzene	ND	0.92	0.14	0.921	
Carbon Disulfide	ND	9.2	0.28	0.921	
Carbon Tetrachloride	ND	0.92	0.26	0.921	
Chlorobenzene	ND	0.92	0.21	0.921	
Chloroethane	ND	1.8	1.4	0.921	
Chloroform	ND	0.92	0.22	0.921	
Chloromethane	ND	18	0.28	0.921	
2-Chlorotoluene	ND	0.92	0.21	0.921	
4-Chlorotoluene	ND	0.92	0.20	0.921	
Dibromochloromethane	ND	1.8	0.53	0.921	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	0.921	
1,2-Dibromoethane	ND	0.92	0.24	0.921	
Dibromomethane	ND	0.92	0.71	0.921	
1,2-Dichlorobenzene	ND	0.92	0.21	0.921	
1,3-Dichlorobenzene	ND	0.92	0.16	0.921	
1,4-Dichlorobenzene	ND	0.92	0.20	0.921	
Dichlorodifluoromethane	ND	1.8	0.41	0.921	
1,1-Dichloroethane	ND	0.92	0.19	0.921	
1,2-Dichloroethane	ND	0.92	0.29	0.921	
1,1-Dichloroethene	ND	0.92	0.32	0.921	
c-1,2-Dichloroethene	ND	0.92	0.26	0.921	
t-1,2-Dichloroethene	ND	0.92	0.47	0.921	
1,2-Dichloropropane	ND	0.92	0.40	0.921	
1,3-Dichloropropane	ND	0.92	0.23	0.921	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.6	0.30	0.921	
1,1-Dichloropropene	ND	1.8	0.30	0.921	
c-1,3-Dichloropropene	ND	0.92	0.23	0.921	
t-1,3-Dichloropropene	ND	1.8	0.56	0.921	
Ethylbenzene	ND	0.92	0.14	0.921	
2-Hexanone	ND	18	1.6	0.921	
Isopropylbenzene	ND	0.92	0.50	0.921	
p-Isopropyltoluene	ND	0.92	0.58	0.921	
Methylene Chloride	ND	9.2	1.2	0.921	
4-Methyl-2-Pentanone	ND	18	4.0	0.921	
Naphthalene	ND	9.2	0.75	0.921	
n-Propylbenzene	ND	1.8	0.46	0.921	
Styrene	ND	0.92	0.56	0.921	
1,1,1,2-Tetrachloroethane	ND	0.92	0.22	0.921	
1,1,2,2-Tetrachloroethane	ND	1.8	0.32	0.921	
Tetrachloroethene	0.48	0.92	0.19	0.921	J
Toluene	ND	0.92	0.47	0.921	
1,2,3-Trichlorobenzene	ND	1.8	0.84	0.921	
1,2,4-Trichlorobenzene	ND	1.8	0.29	0.921	
1,1,1-Trichloroethane	ND	0.92	0.21	0.921	
1,1,2-Trichloroethane	ND	0.92	0.33	0.921	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.2	0.32	0.921	
Trichloroethene	ND	1.8	0.28	0.921	
Trichlorofluoromethane	ND	9.2	0.35	0.921	
1,2,3-Trichloropropane	ND	1.8	0.76	0.921	
1,2,4-Trimethylbenzene	ND	1.8	0.54	0.921	
1,3,5-Trimethylbenzene	ND	1.8	0.51	0.921	
Vinyl Acetate	ND	9.2	4.4	0.921	
Vinyl Chloride	ND	0.92	0.46	0.921	
p/m-Xylene	ND	1.8	0.25	0.921	
o-Xylene	ND	0.92	0.51	0.921	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.921	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B100-10	**13-07-1227-15-C**	**07/18/13 09:20**	**Soil**	**GC/MS PP**	**07/18/13**	**07/20/13 19:35**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	52	6.5	1.04	
Benzene	ND	1.0	0.13	1.04	
Bromobenzene	ND	1.0	0.22	1.04	
Bromochloromethane	ND	2.1	0.72	1.04	
Bromodichloromethane	ND	1.0	0.24	1.04	
Bromoform	ND	5.2	0.83	1.04	
Bromomethane	ND	21	9.8	1.04	
2-Butanone	ND	21	3.9	1.04	
n-Butylbenzene	ND	1.0	0.16	1.04	
sec-Butylbenzene	ND	1.0	0.60	1.04	
tert-Butylbenzene	ND	1.0	0.16	1.04	
Carbon Disulfide	ND	10	0.32	1.04	
Carbon Tetrachloride	ND	1.0	0.29	1.04	
Chlorobenzene	ND	1.0	0.23	1.04	
Chloroethane	ND	2.1	1.6	1.04	
Chloroform	ND	1.0	0.25	1.04	
Chloromethane	ND	21	0.32	1.04	
2-Chlorotoluene	ND	1.0	0.24	1.04	
4-Chlorotoluene	ND	1.0	0.22	1.04	
Dibromochloromethane	ND	2.1	0.59	1.04	
1,2-Dibromo-3-Chloropropane	ND	5.2	1.8	1.04	
1,2-Dibromoethane	ND	1.0	0.27	1.04	
Dibromomethane	ND	1.0	0.81	1.04	
1,2-Dichlorobenzene	ND	1.0	0.24	1.04	
1,3-Dichlorobenzene	ND	1.0	0.18	1.04	
1,4-Dichlorobenzene	ND	1.0	0.23	1.04	
Dichlorodifluoromethane	ND	2.1	0.46	1.04	
1,1-Dichloroethane	ND	1.0	0.22	1.04	
1,2-Dichloroethane	ND	1.0	0.33	1.04	
1,1-Dichloroethene	ND	1.0	0.36	1.04	
c-1,2-Dichloroethene	ND	1.0	0.29	1.04	
t-1,2-Dichloroethene	ND	1.0	0.53	1.04	
1,2-Dichloropropane	ND	1.0	0.46	1.04	
1,3-Dichloropropane	ND	1.0	0.26	1.04	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.2	0.34	1.04	
1,1-Dichloropropene	ND	2.1	0.34	1.04	
c-1,3-Dichloropropene	ND	1.0	0.26	1.04	
t-1,3-Dichloropropene	ND	2.1	0.63	1.04	
Ethylbenzene	ND	1.0	0.16	1.04	
2-Hexanone	ND	21	1.8	1.04	
Isopropylbenzene	ND	1.0	0.57	1.04	
p-Isopropyltoluene	ND	1.0	0.65	1.04	
Methylene Chloride	ND	10	1.4	1.04	
4-Methyl-2-Pentanone	ND	21	4.5	1.04	
Naphthalene	ND	10	0.85	1.04	
n-Propylbenzene	ND	2.1	0.52	1.04	
Styrene	ND	1.0	0.63	1.04	
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	1.04	
1,1,2,2-Tetrachloroethane	ND	2.1	0.36	1.04	
Tetrachloroethene	1.5	1.0	0.22	1.04	
Toluene	ND	1.0	0.54	1.04	
1,2,3-Trichlorobenzene	ND	2.1	0.95	1.04	
1,2,4-Trichlorobenzene	ND	2.1	0.32	1.04	
1,1,1-Trichloroethane	ND	1.0	0.23	1.04	
1,1,2-Trichloroethane	ND	1.0	0.37	1.04	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.37	1.04	
Trichloroethene	ND	2.1	0.31	1.04	
Trichlorofluoromethane	ND	10	0.39	1.04	
1,2,3-Trichloropropane	ND	2.1	0.86	1.04	
1,2,4-Trimethylbenzene	ND	2.1	0.61	1.04	
1,3,5-Trimethylbenzene	ND	2.1	0.57	1.04	
Vinyl Acetate	ND	10	4.9	1.04	
Vinyl Chloride	ND	1.0	0.52	1.04	
p/m-Xylene	ND	2.1	0.28	1.04	
o-Xylene	ND	1.0	0.58	1.04	
Methyl-t-Butyl Ether (MTBE)	ND	2.1	0.31	1.04	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-1	**13-07-1227-16-C**	**07/18/13 09:35**	**Soil**	**GC/MS LL**	**07/18/13**	**07/27/13 18:08**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	11	47	5.8	0.933	J
Benzene	0.75	0.93	0.12	0.933	J
Bromobenzene	ND	0.93	0.20	0.933	
Bromochloromethane	ND	1.9	0.64	0.933	
Bromodichloromethane	ND	0.93	0.22	0.933	
Bromoform	ND	4.7	0.74	0.933	
Bromomethane	ND	19	8.8	0.933	
2-Butanone	ND	19	3.5	0.933	
n-Butylbenzene	ND	0.93	0.15	0.933	
sec-Butylbenzene	ND	0.93	0.54	0.933	
tert-Butylbenzene	ND	0.93	0.14	0.933	
Carbon Disulfide	2.4	9.3	0.29	0.933	J
Carbon Tetrachloride	ND	0.93	0.26	0.933	
Chlorobenzene	ND	0.93	0.21	0.933	
Chloroethane	ND	1.9	1.4	0.933	
Chloroform	ND	0.93	0.22	0.933	
Chloromethane	ND	19	0.28	0.933	
2-Chlorotoluene	ND	0.93	0.22	0.933	
4-Chlorotoluene	ND	0.93	0.20	0.933	
Dibromochloromethane	ND	1.9	0.53	0.933	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.933	
1,2-Dibromoethane	ND	0.93	0.24	0.933	
Dibromomethane	ND	0.93	0.72	0.933	
1,2-Dichlorobenzene	ND	0.93	0.21	0.933	
1,3-Dichlorobenzene	ND	0.93	0.16	0.933	
1,4-Dichlorobenzene	ND	0.93	0.21	0.933	
Dichlorodifluoromethane	ND	1.9	0.41	0.933	
1,1-Dichloroethane	ND	0.93	0.20	0.933	
1,2-Dichloroethane	ND	0.93	0.29	0.933	
1,1-Dichloroethene	ND	0.93	0.32	0.933	
c-1,2-Dichloroethene	ND	0.93	0.26	0.933	
t-1,2-Dichloroethene	ND	0.93	0.47	0.933	
1,2-Dichloropropane	ND	0.93	0.41	0.933	
1,3-Dichloropropane	ND	0.93	0.24	0.933	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.933	
1,1-Dichloropropene	ND	1.9	0.31	0.933	
c-1,3-Dichloropropene	ND	0.93	0.24	0.933	
t-1,3-Dichloropropene	ND	1.9	0.57	0.933	
Ethylbenzene	ND	0.93	0.14	0.933	
2-Hexanone	ND	19	1.6	0.933	
Isopropylbenzene	ND	0.93	0.51	0.933	
p-Isopropyltoluene	ND	0.93	0.59	0.933	
Methylene Chloride	ND	9.3	1.2	0.933	
4-Methyl-2-Pentanone	ND	19	4.0	0.933	
Naphthalene	ND	9.3	0.76	0.933	
n-Propylbenzene	ND	1.9	0.47	0.933	
Styrene	ND	0.93	0.56	0.933	
1,1,1,2-Tetrachloroethane	ND	0.93	0.22	0.933	
1,1,2,2-Tetrachloroethane	ND	1.9	0.32	0.933	
Tetrachloroethene	ND	0.93	0.20	0.933	
Toluene	ND	0.93	0.48	0.933	
1,2,3-Trichlorobenzene	ND	1.9	0.85	0.933	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.933	
1,1,1-Trichloroethane	ND	0.93	0.21	0.933	
1,1,2-Trichloroethane	ND	0.93	0.33	0.933	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.3	0.33	0.933	
Trichloroethene	ND	1.9	0.28	0.933	
Trichlorofluoromethane	ND	9.3	0.35	0.933	
1,2,3-Trichloropropane	ND	1.9	0.77	0.933	
1,2,4-Trimethylbenzene	ND	1.9	0.55	0.933	
1,3,5-Trimethylbenzene	ND	1.9	0.51	0.933	
Vinyl Acetate	ND	9.3	4.4	0.933	
Vinyl Chloride	ND	0.93	0.47	0.933	
p/m-Xylene	ND	1.9	0.25	0.933	
o-Xylene	ND	0.93	0.52	0.933	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.933	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	92	79-133	
1,2-Dichloroethane-d4	96	71-155	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-2.5	**13-07-1227-17-C**	**07/18/13 09:40**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 13:52**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	18	41	5.1	0.821	J
Benzene	0.84	0.82	0.11	0.821	
Bromobenzene	ND	0.82	0.17	0.821	
Bromochloromethane	ND	1.6	0.57	0.821	
Bromodichloromethane	ND	0.82	0.19	0.821	
Bromoform	ND	4.1	0.65	0.821	
Bromomethane	ND	16	7.7	0.821	
2-Butanone	ND	16	3.1	0.821	
n-Butylbenzene	ND	0.82	0.13	0.821	
sec-Butylbenzene	ND	0.82	0.47	0.821	
tert-Butylbenzene	ND	0.82	0.12	0.821	
Carbon Disulfide	8.3	8.2	0.25	0.821	
Carbon Tetrachloride	ND	0.82	0.23	0.821	
Chlorobenzene	ND	0.82	0.18	0.821	
Chloroethane	ND	1.6	1.2	0.821	
Chloroform	ND	0.82	0.20	0.821	
Chloromethane	ND	16	0.25	0.821	
2-Chlorotoluene	ND	0.82	0.19	0.821	
4-Chlorotoluene	ND	0.82	0.17	0.821	
Dibromochloromethane	ND	1.6	0.47	0.821	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.821	
1,2-Dibromoethane	ND	0.82	0.21	0.821	
Dibromomethane	ND	0.82	0.64	0.821	
1,2-Dichlorobenzene	ND	0.82	0.19	0.821	
1,3-Dichlorobenzene	ND	0.82	0.14	0.821	
1,4-Dichlorobenzene	ND	0.82	0.18	0.821	
Dichlorodifluoromethane	ND	1.6	0.36	0.821	
1,1-Dichloroethane	ND	0.82	0.17	0.821	
1,2-Dichloroethane	ND	0.82	0.26	0.821	
1,1-Dichloroethene	ND	0.82	0.28	0.821	
c-1,2-Dichloroethene	ND	0.82	0.23	0.821	
t-1,2-Dichloroethene	ND	0.82	0.42	0.821	
1,2-Dichloropropane	ND	0.82	0.36	0.821	
1,3-Dichloropropane	ND	0.82	0.21	0.821	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.821	
1,1-Dichloropropene	ND	1.6	0.27	0.821	
c-1,3-Dichloropropene	ND	0.82	0.21	0.821	
t-1,3-Dichloropropene	ND	1.6	0.50	0.821	
Ethylbenzene	ND	0.82	0.12	0.821	
2-Hexanone	ND	16	1.4	0.821	
Isopropylbenzene	ND	0.82	0.45	0.821	
p-Isopropyltoluene	ND	0.82	0.52	0.821	
Methylene Chloride	ND	8.2	1.1	0.821	
4-Methyl-2-Pentanone	ND	16	3.5	0.821	
Naphthalene	ND	8.2	0.67	0.821	
n-Propylbenzene	ND	1.6	0.41	0.821	
Styrene	ND	0.82	0.50	0.821	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	0.821	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.821	
Tetrachloroethene	0.78	0.82	0.17	0.821	J
Toluene	ND	0.82	0.42	0.821	
1,2,3-Trichlorobenzene	ND	1.6	0.75	0.821	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.821	
1,1,1-Trichloroethane	ND	0.82	0.18	0.821	
1,1,2-Trichloroethane	ND	0.82	0.29	0.821	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	0.821	
Trichloroethene	ND	1.6	0.25	0.821	
Trichlorofluoromethane	ND	8.2	0.31	0.821	
1,2,3-Trichloropropane	ND	1.6	0.68	0.821	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.821	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.821	
Vinyl Acetate	ND	8.2	3.9	0.821	
Vinyl Chloride	ND	0.82	0.41	0.821	
p/m-Xylene	ND	1.6	0.22	0.821	
o-Xylene	ND	0.82	0.46	0.821	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.821	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-5	**13-07-1227-18-C**	**07/18/13 09:45**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 14:19**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	15	40	5.0	0.796	J
Benzene	0.14	0.80	0.10	0.796	J
Bromobenzene	ND	0.80	0.17	0.796	
Bromochloromethane	ND	1.6	0.55	0.796	
Bromodichloromethane	ND	0.80	0.19	0.796	
Bromoform	ND	4.0	0.63	0.796	
Bromomethane	ND	16	7.5	0.796	
2-Butanone	ND	16	3.0	0.796	
n-Butylbenzene	ND	0.80	0.12	0.796	
sec-Butylbenzene	ND	0.80	0.46	0.796	
tert-Butylbenzene	ND	0.80	0.12	0.796	
Carbon Disulfide	ND	8.0	0.24	0.796	
Carbon Tetrachloride	ND	0.80	0.23	0.796	
Chlorobenzene	ND	0.80	0.18	0.796	
Chloroethane	ND	1.6	1.2	0.796	
Chloroform	ND	0.80	0.19	0.796	
Chloromethane	ND	16	0.24	0.796	
2-Chlorotoluene	ND	0.80	0.18	0.796	
4-Chlorotoluene	ND	0.80	0.17	0.796	
Dibromochloromethane	ND	1.6	0.45	0.796	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.796	
1,2-Dibromoethane	ND	0.80	0.20	0.796	
Dibromomethane	ND	0.80	0.62	0.796	
1,2-Dichlorobenzene	ND	0.80	0.18	0.796	
1,3-Dichlorobenzene	ND	0.80	0.14	0.796	
1,4-Dichlorobenzene	ND	0.80	0.18	0.796	
Dichlorodifluoromethane	ND	1.6	0.35	0.796	
1,1-Dichloroethane	ND	0.80	0.17	0.796	
1,2-Dichloroethane	ND	0.80	0.25	0.796	
1,1-Dichloroethene	ND	0.80	0.28	0.796	
c-1,2-Dichloroethene	ND	0.80	0.22	0.796	
t-1,2-Dichloroethene	ND	0.80	0.40	0.796	
1,2-Dichloropropane	ND	0.80	0.35	0.796	
1,3-Dichloropropane	ND	0.80	0.20	0.796	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	0.796	
1,1-Dichloropropene	ND	1.6	0.26	0.796	
c-1,3-Dichloropropene	ND	0.80	0.20	0.796	
t-1,3-Dichloropropene	ND	1.6	0.48	0.796	
Ethylbenzene	ND	0.80	0.12	0.796	
2-Hexanone	ND	16	1.4	0.796	
Isopropylbenzene	ND	0.80	0.43	0.796	
p-Isopropyltoluene	ND	0.80	0.50	0.796	
Methylene Chloride	ND	8.0	1.1	0.796	
4-Methyl-2-Pentanone	ND	16	3.4	0.796	
Naphthalene	ND	8.0	0.65	0.796	
n-Propylbenzene	ND	1.6	0.40	0.796	
Styrene	ND	0.80	0.48	0.796	
1,1,1,2-Tetrachloroethane	ND	0.80	0.19	0.796	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.796	
Tetrachloroethene	ND	0.80	0.17	0.796	
Toluene	ND	0.80	0.41	0.796	
1,2,3-Trichlorobenzene	ND	1.6	0.73	0.796	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.796	
1,1,1-Trichloroethane	ND	0.80	0.18	0.796	
1,1,2-Trichloroethane	ND	0.80	0.28	0.796	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.0	0.28	0.796	
Trichloroethene	ND	1.6	0.24	0.796	
Trichlorofluoromethane	ND	8.0	0.30	0.796	
1,2,3-Trichloropropane	ND	1.6	0.66	0.796	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.796	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.796	
Vinyl Acetate	ND	8.0	3.8	0.796	
Vinyl Chloride	ND	0.80	0.40	0.796	
p/m-Xylene	ND	1.6	0.21	0.796	
o-Xylene	ND	0.80	0.44	0.796	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.796	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	115	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 37 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-10	**13-07-1227-19-C**	**07/18/13 09:50**	**Soil**	**GC/MS LL**	**07/18/13**	**07/27/13 18:37**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	41	5.1	0.814	
Benzene	0.35	0.81	0.11	0.814	J
Bromobenzene	ND	0.81	0.17	0.814	
Bromochloromethane	ND	1.6	0.56	0.814	
Bromodichloromethane	ND	0.81	0.19	0.814	
Bromoform	ND	4.1	0.65	0.814	
Bromomethane	ND	16	7.7	0.814	
2-Butanone	ND	16	3.1	0.814	
n-Butylbenzene	ND	0.81	0.13	0.814	
sec-Butylbenzene	ND	0.81	0.47	0.814	
tert-Butylbenzene	ND	0.81	0.12	0.814	
Carbon Disulfide	ND	8.1	0.25	0.814	
Carbon Tetrachloride	ND	0.81	0.23	0.814	
Chlorobenzene	ND	0.81	0.18	0.814	
Chloroethane	ND	1.6	1.2	0.814	
Chloroform	ND	0.81	0.19	0.814	
Chloromethane	ND	16	0.25	0.814	
2-Chlorotoluene	ND	0.81	0.19	0.814	
4-Chlorotoluene	ND	0.81	0.17	0.814	
Dibromochloromethane	ND	1.6	0.46	0.814	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.814	
1,2-Dibromoethane	ND	0.81	0.21	0.814	
Dibromomethane	ND	0.81	0.63	0.814	
1,2-Dichlorobenzene	ND	0.81	0.19	0.814	
1,3-Dichlorobenzene	ND	0.81	0.14	0.814	
1,4-Dichlorobenzene	ND	0.81	0.18	0.814	
Dichlorodifluoromethane	ND	1.6	0.36	0.814	
1,1-Dichloroethane	ND	0.81	0.17	0.814	
1,2-Dichloroethane	ND	0.81	0.26	0.814	
1,1-Dichloroethene	ND	0.81	0.28	0.814	
c-1,2-Dichloroethene	ND	0.81	0.23	0.814	
t-1,2-Dichloroethene	ND	0.81	0.41	0.814	
1,2-Dichloropropane	ND	0.81	0.36	0.814	
1,3-Dichloropropane	ND	0.81	0.21	0.814	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.814	
1,1-Dichloropropene	ND	1.6	0.27	0.814	
c-1,3-Dichloropropene	ND	0.81	0.21	0.814	
t-1,3-Dichloropropene	ND	1.6	0.49	0.814	
Ethylbenzene	ND	0.81	0.12	0.814	
2-Hexanone	ND	16	1.4	0.814	
Isopropylbenzene	ND	0.81	0.44	0.814	
p-Isopropyltoluene	ND	0.81	0.51	0.814	
Methylene Chloride	ND	8.1	1.1	0.814	
4-Methyl-2-Pentanone	ND	16	3.5	0.814	
Naphthalene	ND	8.1	0.66	0.814	
n-Propylbenzene	ND	1.6	0.41	0.814	
Styrene	ND	0.81	0.49	0.814	
1,1,1,2-Tetrachloroethane	ND	0.81	0.20	0.814	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.814	
Tetrachloroethene	0.36	0.81	0.17	0.814	J
Toluene	ND	0.81	0.42	0.814	
1,2,3-Trichlorobenzene	ND	1.6	0.74	0.814	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.814	
1,1,1-Trichloroethane	ND	0.81	0.18	0.814	
1,1,2-Trichloroethane	ND	0.81	0.29	0.814	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.29	0.814	
Trichloroethene	ND	1.6	0.24	0.814	
Trichlorofluoromethane	ND	8.1	0.31	0.814	
1,2,3-Trichloropropane	ND	1.6	0.68	0.814	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.814	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.814	
Vinyl Acetate	ND	8.1	3.9	0.814	
Vinyl Chloride	ND	0.81	0.41	0.814	
p/m-Xylene	ND	1.6	0.22	0.814	
o-Xylene	ND	0.81	0.45	0.814	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.814	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	91	79-133	
1,2-Dichloroethane-d4	96	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 39 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-1	**13-07-1227-20-D**	**07/18/13 10:00**	**Soil**	**GC/MS OO**	**07/18/13**	**07/20/13 14:31**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	8.6	43	5.4	0.864	J
Benzene	1.7	0.86	0.11	0.864	
Bromobenzene	ND	0.86	0.18	0.864	
Bromochloromethane	ND	1.7	0.60	0.864	
Bromodichloromethane	ND	0.86	0.20	0.864	
Bromoform	ND	4.3	0.69	0.864	
Bromomethane	ND	17	8.1	0.864	
2-Butanone	ND	17	3.3	0.864	
n-Butylbenzene	ND	0.86	0.14	0.864	
sec-Butylbenzene	ND	0.86	0.50	0.864	
tert-Butylbenzene	ND	0.86	0.13	0.864	
Carbon Disulfide	1.6	8.6	0.26	0.864	J
Carbon Tetrachloride	ND	0.86	0.24	0.864	
Chlorobenzene	ND	0.86	0.19	0.864	
Chloroethane	ND	1.7	1.3	0.864	
Chloroform	ND	0.86	0.21	0.864	
Chloromethane	0.96	17	0.26	0.864	B,J
2-Chlorotoluene	ND	0.86	0.20	0.864	
4-Chlorotoluene	ND	0.86	0.18	0.864	
Dibromochloromethane	ND	1.7	0.49	0.864	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.864	
1,2-Dibromoethane	ND	0.86	0.22	0.864	
Dibromomethane	ND	0.86	0.67	0.864	
1,2-Dichlorobenzene	ND	0.86	0.20	0.864	
1,3-Dichlorobenzene	ND	0.86	0.15	0.864	
1,4-Dichlorobenzene	ND	0.86	0.19	0.864	
Dichlorodifluoromethane	ND	1.7	0.38	0.864	
1,1-Dichloroethane	ND	0.86	0.18	0.864	
1,2-Dichloroethane	ND	0.86	0.27	0.864	
1,1-Dichloroethene	ND	0.86	0.30	0.864	
c-1,2-Dichloroethene	ND	0.86	0.24	0.864	
t-1,2-Dichloroethene	ND	0.86	0.44	0.864	
1,2-Dichloropropane	ND	0.86	0.38	0.864	
1,3-Dichloropropane	ND	0.86	0.22	0.864	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.3	0.29	0.864	
1,1-Dichloropropene	ND	1.7	0.28	0.864	
c-1,3-Dichloropropene	ND	0.86	0.22	0.864	
t-1,3-Dichloropropene	ND	1.7	0.52	0.864	
Ethylbenzene	ND	0.86	0.13	0.864	
2-Hexanone	ND	17	1.5	0.864	
Isopropylbenzene	ND	0.86	0.47	0.864	
p-Isopropyltoluene	ND	0.86	0.54	0.864	
Methylene Chloride	ND	8.6	1.2	0.864	
4-Methyl-2-Pentanone	ND	17	3.7	0.864	
Naphthalene	ND	8.6	0.70	0.864	
n-Propylbenzene	ND	1.7	0.43	0.864	
Styrene	ND	0.86	0.52	0.864	
1,1,1,2-Tetrachloroethane	ND	0.86	0.21	0.864	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	0.864	
Tetrachloroethene	0.42	0.86	0.18	0.864	J
Toluene	0.74	0.86	0.45	0.864	J
1,2,3-Trichlorobenzene	ND	1.7	0.79	0.864	
1,2,4-Trichlorobenzene	ND	1.7	0.27	0.864	
1,1,1-Trichloroethane	ND	0.86	0.19	0.864	
1,1,2-Trichloroethane	ND	0.86	0.31	0.864	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	0.30	0.864	
Trichloroethene	ND	1.7	0.26	0.864	
Trichlorofluoromethane	ND	8.6	0.32	0.864	
1,2,3-Trichloropropane	ND	1.7	0.72	0.864	
1,2,4-Trimethylbenzene	ND	1.7	0.51	0.864	
1,3,5-Trimethylbenzene	ND	1.7	0.47	0.864	
Vinyl Acetate	ND	8.6	4.1	0.864	
Vinyl Chloride	ND	0.86	0.43	0.864	
p/m-Xylene	ND	1.7	0.23	0.864	
o-Xylene	ND	0.86	0.48	0.864	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.26	0.864	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-2.5	**13-07-1227-21-C**	**07/18/13 10:05**	**Soil**	**GC/MS OO**	**07/18/13**	**07/20/13 15:21**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	42	5.2	0.833	
Benzene	0.42	0.83	0.11	0.833	J
Bromobenzene	ND	0.83	0.17	0.833	
Bromochloromethane	ND	1.7	0.58	0.833	
Bromodichloromethane	ND	0.83	0.19	0.833	
Bromoform	ND	4.2	0.66	0.833	
Bromomethane	ND	17	7.9	0.833	
2-Butanone	ND	17	3.1	0.833	
n-Butylbenzene	ND	0.83	0.13	0.833	
sec-Butylbenzene	ND	0.83	0.48	0.833	
tert-Butylbenzene	ND	0.83	0.13	0.833	
Carbon Disulfide	ND	8.3	0.25	0.833	
Carbon Tetrachloride	ND	0.83	0.24	0.833	
Chlorobenzene	ND	0.83	0.19	0.833	
Chloroethane	ND	1.7	1.2	0.833	
Chloroform	ND	0.83	0.20	0.833	
Chloromethane	0.41	17	0.25	0.833	B,J
2-Chlorotoluene	ND	0.83	0.19	0.833	
4-Chlorotoluene	ND	0.83	0.18	0.833	
Dibromochloromethane	ND	1.7	0.47	0.833	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.4	0.833	
1,2-Dibromoethane	ND	0.83	0.21	0.833	
Dibromomethane	ND	0.83	0.65	0.833	
1,2-Dichlorobenzene	ND	0.83	0.19	0.833	
1,3-Dichlorobenzene	ND	0.83	0.15	0.833	
1,4-Dichlorobenzene	ND	0.83	0.18	0.833	
Dichlorodifluoromethane	ND	1.7	0.37	0.833	
1,1-Dichloroethane	ND	0.83	0.18	0.833	
1,2-Dichloroethane	ND	0.83	0.26	0.833	
1,1-Dichloroethene	ND	0.83	0.29	0.833	
c-1,2-Dichloroethene	ND	0.83	0.23	0.833	
t-1,2-Dichloroethene	ND	0.83	0.42	0.833	
1,2-Dichloropropane	ND	0.83	0.36	0.833	
1,3-Dichloropropane	ND	0.83	0.21	0.833	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.833	
1,1-Dichloropropene	ND	1.7	0.27	0.833	
c-1,3-Dichloropropene	ND	0.83	0.21	0.833	
t-1,3-Dichloropropene	ND	1.7	0.50	0.833	
Ethylbenzene	ND	0.83	0.13	0.833	
2-Hexanone	ND	17	1.5	0.833	
Isopropylbenzene	ND	0.83	0.46	0.833	
p-Isopropyltoluene	ND	0.83	0.52	0.833	
Methylene Chloride	ND	8.3	1.1	0.833	
4-Methyl-2-Pentanone	ND	17	3.6	0.833	
Naphthalene	ND	8.3	0.68	0.833	
n-Propylbenzene	ND	1.7	0.42	0.833	
Styrene	ND	0.83	0.50	0.833	
1,1,1,2-Tetrachloroethane	ND	0.83	0.20	0.833	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.833	
Tetrachloroethene	ND	0.83	0.17	0.833	
Toluene	ND	0.83	0.43	0.833	
1,2,3-Trichlorobenzene	ND	1.7	0.76	0.833	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.833	
1,1,1-Trichloroethane	ND	0.83	0.19	0.833	
1,1,2-Trichloroethane	ND	0.83	0.29	0.833	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.29	0.833	
Trichloroethene	ND	1.7	0.25	0.833	
Trichlorofluoromethane	ND	8.3	0.31	0.833	
1,2,3-Trichloropropane	ND	1.7	0.69	0.833	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.833	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.833	
Vinyl Acetate	ND	8.3	4.0	0.833	
Vinyl Chloride	ND	0.83	0.42	0.833	
p/m-Xylene	ND	1.7	0.22	0.833	
o-Xylene	ND	0.83	0.46	0.833	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.833	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-5	**13-07-1227-22-C**	**07/18/13 10:10**	**Soil**	**GC/MS OO**	**07/18/13**	**07/20/13 15:47**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	9.2	44	5.4	0.873	J
Benzene	2.5	0.87	0.11	0.873	
Bromobenzene	ND	0.87	0.18	0.873	
Bromochloromethane	ND	1.7	0.60	0.873	
Bromodichloromethane	ND	0.87	0.20	0.873	
Bromoform	ND	4.4	0.69	0.873	
Bromomethane	ND	17	8.2	0.873	
2-Butanone	ND	17	3.3	0.873	
n-Butylbenzene	ND	0.87	0.14	0.873	
sec-Butylbenzene	ND	0.87	0.50	0.873	
tert-Butylbenzene	ND	0.87	0.13	0.873	
Carbon Disulfide	0.28	8.7	0.27	0.873	J
Carbon Tetrachloride	ND	0.87	0.25	0.873	
Chlorobenzene	ND	0.87	0.20	0.873	
Chloroethane	ND	1.7	1.3	0.873	
Chloroform	ND	0.87	0.21	0.873	
Chloromethane	1.3	17	0.27	0.873	B,J
2-Chlorotoluene	ND	0.87	0.20	0.873	
4-Chlorotoluene	ND	0.87	0.19	0.873	
Dibromochloromethane	ND	1.7	0.50	0.873	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.873	
1,2-Dibromoethane	ND	0.87	0.22	0.873	
Dibromomethane	ND	0.87	0.68	0.873	
1,2-Dichlorobenzene	ND	0.87	0.20	0.873	
1,3-Dichlorobenzene	ND	0.87	0.15	0.873	
1,4-Dichlorobenzene	ND	0.87	0.19	0.873	
Dichlorodifluoromethane	ND	1.7	0.39	0.873	
1,1-Dichloroethane	ND	0.87	0.18	0.873	
1,2-Dichloroethane	ND	0.87	0.27	0.873	
1,1-Dichloroethene	ND	0.87	0.30	0.873	
c-1,2-Dichloroethene	ND	0.87	0.24	0.873	
t-1,2-Dichloroethene	ND	0.87	0.44	0.873	
1,2-Dichloropropane	ND	0.87	0.38	0.873	
1,3-Dichloropropane	ND	0.87	0.22	0.873	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.873	
1,1-Dichloropropene	ND	1.7	0.29	0.873	
c-1,3-Dichloropropene	ND	0.87	0.22	0.873	
t-1,3-Dichloropropene	ND	1.7	0.53	0.873	
Ethylbenzene	0.22	0.87	0.13	0.873	J
2-Hexanone	ND	17	1.5	0.873	
Isopropylbenzene	ND	0.87	0.48	0.873	
p-Isopropyltoluene	ND	0.87	0.55	0.873	
Methylene Chloride	ND	8.7	1.2	0.873	
4-Methyl-2-Pentanone	ND	17	3.8	0.873	
Naphthalene	ND	8.7	0.71	0.873	
n-Propylbenzene	ND	1.7	0.44	0.873	
Styrene	ND	0.87	0.53	0.873	
1,1,1,2-Tetrachloroethane	ND	0.87	0.21	0.873	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	0.873	
Tetrachloroethene	1.6	0.87	0.18	0.873	
Toluene	1.7	0.87	0.45	0.873	
1,2,3-Trichlorobenzene	ND	1.7	0.80	0.873	
1,2,4-Trichlorobenzene	ND	1.7	0.27	0.873	
1,1,1-Trichloroethane	ND	0.87	0.20	0.873	
1,1,2-Trichloroethane	ND	0.87	0.31	0.873	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	0.31	0.873	
Trichloroethene	0.74	1.7	0.26	0.873	J
Trichlorofluoromethane	ND	8.7	0.33	0.873	
1,2,3-Trichloropropane	ND	1.7	0.72	0.873	
1,2,4-Trimethylbenzene	ND	1.7	0.51	0.873	
1,3,5-Trimethylbenzene	ND	1.7	0.48	0.873	
Vinyl Acetate	ND	8.7	4.1	0.873	
Vinyl Chloride	ND	0.87	0.44	0.873	
p/m-Xylene	0.32	1.7	0.23	0.873	J
o-Xylene	ND	0.87	0.49	0.873	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.26	0.873	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B99-10	**13-07-1227-23-C**	**07/18/13 10:15**	**Soil**	**GC/MS OO**	**07/18/13**	**07/20/13 16:13**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	43	5.4	0.867	
Benzene	ND	0.87	0.11	0.867	
Bromobenzene	ND	0.87	0.18	0.867	
Bromochloromethane	ND	1.7	0.60	0.867	
Bromodichloromethane	ND	0.87	0.20	0.867	
Bromoform	ND	4.3	0.69	0.867	
Bromomethane	ND	17	8.2	0.867	
2-Butanone	ND	17	3.3	0.867	
n-Butylbenzene	ND	0.87	0.14	0.867	
sec-Butylbenzene	ND	0.87	0.50	0.867	
tert-Butylbenzene	ND	0.87	0.13	0.867	
Carbon Disulfide	ND	8.7	0.27	0.867	
Carbon Tetrachloride	ND	0.87	0.25	0.867	
Chlorobenzene	ND	0.87	0.19	0.867	
Chloroethane	ND	1.7	1.3	0.867	
Chloroform	ND	0.87	0.21	0.867	
Chloromethane	0.29	17	0.26	0.867	B,J
2-Chlorotoluene	ND	0.87	0.20	0.867	
4-Chlorotoluene	ND	0.87	0.18	0.867	
Dibromochloromethane	ND	1.7	0.49	0.867	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.867	
1,2-Dibromoethane	ND	0.87	0.22	0.867	
Dibromomethane	ND	0.87	0.67	0.867	
1,2-Dichlorobenzene	ND	0.87	0.20	0.867	
1,3-Dichlorobenzene	ND	0.87	0.15	0.867	
1,4-Dichlorobenzene	ND	0.87	0.19	0.867	
Dichlorodifluoromethane	ND	1.7	0.38	0.867	
1,1-Dichloroethane	ND	0.87	0.18	0.867	
1,2-Dichloroethane	ND	0.87	0.27	0.867	
1,1-Dichloroethene	ND	0.87	0.30	0.867	
c-1,2-Dichloroethene	ND	0.87	0.24	0.867	
t-1,2-Dichloroethene	ND	0.87	0.44	0.867	
1,2-Dichloropropane	ND	0.87	0.38	0.867	
1,3-Dichloropropane	ND	0.87	0.22	0.867	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.3	0.29	0.867	
1,1-Dichloropropene	ND	1.7	0.28	0.867	
c-1,3-Dichloropropene	ND	0.87	0.22	0.867	
t-1,3-Dichloropropene	ND	1.7	0.53	0.867	
Ethylbenzene	ND	0.87	0.13	0.867	
2-Hexanone	ND	17	1.5	0.867	
Isopropylbenzene	ND	0.87	0.47	0.867	
p-Isopropyltoluene	ND	0.87	0.55	0.867	
Methylene Chloride	ND	8.7	1.2	0.867	
4-Methyl-2-Pentanone	ND	17	3.7	0.867	
Naphthalene	ND	8.7	0.71	0.867	
n-Propylbenzene	ND	1.7	0.44	0.867	
Styrene	ND	0.87	0.52	0.867	
1,1,1,2-Tetrachloroethane	ND	0.87	0.21	0.867	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	0.867	
Tetrachloroethene	1.5	0.87	0.18	0.867	
Toluene	ND	0.87	0.45	0.867	
1,2,3-Trichlorobenzene	ND	1.7	0.79	0.867	
1,2,4-Trichlorobenzene	ND	1.7	0.27	0.867	
1,1,1-Trichloroethane	ND	0.87	0.20	0.867	
1,1,2-Trichloroethane	ND	0.87	0.31	0.867	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	0.31	0.867	
Trichloroethene	1.2	1.7	0.26	0.867	J
Trichlorofluoromethane	ND	8.7	0.33	0.867	
1,2,3-Trichloropropane	ND	1.7	0.72	0.867	
1,2,4-Trimethylbenzene	ND	1.7	0.51	0.867	
1,3,5-Trimethylbenzene	ND	1.7	0.48	0.867	
Vinyl Acetate	ND	8.7	4.1	0.867	
Vinyl Chloride	ND	0.87	0.44	0.867	
p/m-Xylene	ND	1.7	0.23	0.867	
o-Xylene	ND	0.87	0.48	0.867	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.26	0.867	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-1	**13-07-1227-24-D**	**07/18/13 10:20**	**Soil**	**GC/MS LL**	**07/18/13**	**07/30/13 16:02**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	66	42	5.2	0.838	
Benzene	0.40	0.84	0.11	0.838	J
Bromobenzene	ND	0.84	0.18	0.838	
Bromochloromethane	ND	1.7	0.58	0.838	
Bromodichloromethane	ND	0.84	0.20	0.838	
Bromoform	ND	4.2	0.67	0.838	
Bromomethane	ND	17	7.9	0.838	
2-Butanone	19	17	3.2	0.838	
n-Butylbenzene	ND	0.84	0.13	0.838	
sec-Butylbenzene	ND	0.84	0.48	0.838	
tert-Butylbenzene	ND	0.84	0.13	0.838	
Carbon Disulfide	0.28	8.4	0.26	0.838	J
Carbon Tetrachloride	ND	0.84	0.24	0.838	
Chlorobenzene	ND	0.84	0.19	0.838	
Chloroethane	ND	1.7	1.3	0.838	
Chloroform	ND	0.84	0.20	0.838	
Chloromethane	ND	17	0.25	0.838	
2-Chlorotoluene	ND	0.84	0.19	0.838	
4-Chlorotoluene	ND	0.84	0.18	0.838	
Dibromochloromethane	ND	1.7	0.48	0.838	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.838	
1,2-Dibromoethane	ND	0.84	0.21	0.838	
Dibromomethane	ND	0.84	0.65	0.838	
1,2-Dichlorobenzene	ND	0.84	0.19	0.838	
1,3-Dichlorobenzene	ND	0.84	0.15	0.838	
1,4-Dichlorobenzene	ND	0.84	0.19	0.838	
Dichlorodifluoromethane	ND	1.7	0.37	0.838	
1,1-Dichloroethane	ND	0.84	0.18	0.838	
1,2-Dichloroethane	ND	0.84	0.26	0.838	
1,1-Dichloroethene	ND	0.84	0.29	0.838	
c-1,2-Dichloroethene	0.33	0.84	0.23	0.838	J
t-1,2-Dichloroethene	ND	0.84	0.42	0.838	
1,2-Dichloropropane	ND	0.84	0.37	0.838	
1,3-Dichloropropane	ND	0.84	0.21	0.838	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.838	
1,1-Dichloropropene	ND	1.7	0.28	0.838	
c-1,3-Dichloropropene	ND	0.84	0.21	0.838	
t-1,3-Dichloropropene	ND	1.7	0.51	0.838	
Ethylbenzene	0.85	0.84	0.13	0.838	
2-Hexanone	2.4	17	1.5	0.838	J
Isopropylbenzene	ND	0.84	0.46	0.838	
p-Isopropyltoluene	ND	0.84	0.53	0.838	
Methylene Chloride	ND	8.4	1.1	0.838	
4-Methyl-2-Pentanone	ND	17	3.6	0.838	
Naphthalene	1.5	8.4	0.68	0.838	J
n-Propylbenzene	ND	1.7	0.42	0.838	
Styrene	ND	0.84	0.51	0.838	
1,1,1,2-Tetrachloroethane	ND	0.84	0.20	0.838	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.838	
Tetrachloroethene	48	0.84	0.18	0.838	
Toluene	5.9	0.84	0.43	0.838	
1,2,3-Trichlorobenzene	ND	1.7	0.77	0.838	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.838	
1,1,1-Trichloroethane	ND	0.84	0.19	0.838	
1,1,2-Trichloroethane	ND	0.84	0.30	0.838	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.29	0.838	
Trichloroethene	14	1.7	0.25	0.838	
Trichlorofluoromethane	ND	8.4	0.31	0.838	
1,2,3-Trichloropropane	ND	1.7	0.70	0.838	
1,2,4-Trimethylbenzene	2.9	1.7	0.49	0.838	
1,3,5-Trimethylbenzene	0.69	1.7	0.46	0.838	J
Vinyl Acetate	ND	8.4	4.0	0.838	
Vinyl Chloride	ND	0.84	0.42	0.838	
p/m-Xylene	3.7	1.7	0.22	0.838	
o-Xylene	1.8	0.84	0.47	0.838	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.838	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	67	80-120	2,6
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	80	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-2.5	**13-07-1227-25-C**	**07/18/13 10:25**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 14:45**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	12	46	5.7	0.919	J
Benzene	2.0	0.92	0.12	0.919	
Bromobenzene	ND	0.92	0.19	0.919	
Bromochloromethane	ND	1.8	0.63	0.919	
Bromodichloromethane	ND	0.92	0.21	0.919	
Bromoform	ND	4.6	0.73	0.919	
Bromomethane	ND	18	8.7	0.919	
2-Butanone	ND	18	3.5	0.919	
n-Butylbenzene	ND	0.92	0.14	0.919	
sec-Butylbenzene	ND	0.92	0.53	0.919	
tert-Butylbenzene	ND	0.92	0.14	0.919	
Carbon Disulfide	0.94	9.2	0.28	0.919	J
Carbon Tetrachloride	ND	0.92	0.26	0.919	
Chlorobenzene	ND	0.92	0.21	0.919	
Chloroethane	ND	1.8	1.4	0.919	
Chloroform	ND	0.92	0.22	0.919	
Chloromethane	ND	18	0.28	0.919	
2-Chlorotoluene	ND	0.92	0.21	0.919	
4-Chlorotoluene	ND	0.92	0.20	0.919	
Dibromochloromethane	ND	1.8	0.52	0.919	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	0.919	
1,2-Dibromoethane	ND	0.92	0.23	0.919	
Dibromomethane	ND	0.92	0.71	0.919	
1,2-Dichlorobenzene	ND	0.92	0.21	0.919	
1,3-Dichlorobenzene	ND	0.92	0.16	0.919	
1,4-Dichlorobenzene	ND	0.92	0.20	0.919	
Dichlorodifluoromethane	ND	1.8	0.41	0.919	
1,1-Dichloroethane	0.23	0.92	0.19	0.919	J
1,2-Dichloroethane	ND	0.92	0.29	0.919	
1,1-Dichloroethene	ND	0.92	0.32	0.919	
c-1,2-Dichloroethene	19	0.92	0.26	0.919	
t-1,2-Dichloroethene	0.79	0.92	0.47	0.919	J
1,2-Dichloropropane	ND	0.92	0.40	0.919	
1,3-Dichloropropane	ND	0.92	0.23	0.919	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.6	0.30	0.919	
1,1-Dichloropropene	ND	1.8	0.30	0.919	
c-1,3-Dichloropropene	ND	0.92	0.23	0.919	
t-1,3-Dichloropropene	ND	1.8	0.56	0.919	
Ethylbenzene	0.17	0.92	0.14	0.919	J
2-Hexanone	ND	18	1.6	0.919	
Isopropylbenzene	ND	0.92	0.50	0.919	
p-Isopropyltoluene	ND	0.92	0.58	0.919	
Methylene Chloride	ND	9.2	1.2	0.919	
4-Methyl-2-Pentanone	7.7	18	4.0	0.919	J
Naphthalene	ND	9.2	0.75	0.919	
n-Propylbenzene	ND	1.8	0.46	0.919	
Styrene	ND	0.92	0.56	0.919	
1,1,1,2-Tetrachloroethane	ND	0.92	0.22	0.919	
1,1,2,2-Tetrachloroethane	ND	1.8	0.32	0.919	
Tetrachloroethene	32	0.92	0.19	0.919	
Toluene	1.2	0.92	0.47	0.919	
1,2,3-Trichlorobenzene	ND	1.8	0.84	0.919	
1,2,4-Trichlorobenzene	ND	1.8	0.29	0.919	
1,1,1-Trichloroethane	ND	0.92	0.21	0.919	
1,1,2-Trichloroethane	ND	0.92	0.33	0.919	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.2	0.32	0.919	
Trichloroethene	58	1.8	0.28	0.919	
Trichlorofluoromethane	ND	9.2	0.34	0.919	
1,2,3-Trichloropropane	ND	1.8	0.76	0.919	
1,2,4-Trimethylbenzene	ND	1.8	0.54	0.919	
1,3,5-Trimethylbenzene	ND	1.8	0.50	0.919	
Vinyl Acetate	ND	9.2	4.4	0.919	
Vinyl Chloride	ND	0.92	0.46	0.919	
p/m-Xylene	ND	1.8	0.25	0.919	
o-Xylene	ND	0.92	0.51	0.919	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.919	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	122	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 51 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-5	**13-07-1227-26-C**	**07/18/13 10:30**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 13:26**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.7	42	5.3	0.85	J
Benzene	ND	0.85	0.11	0.85	
Bromobenzene	ND	0.85	0.18	0.85	
Bromochloromethane	ND	1.7	0.59	0.85	
Bromodichloromethane	ND	0.85	0.20	0.85	
Bromoform	ND	4.2	0.68	0.85	
Bromomethane	ND	17	8.0	0.85	
2-Butanone	ND	17	3.2	0.85	
n-Butylbenzene	ND	0.85	0.13	0.85	
sec-Butylbenzene	ND	0.85	0.49	0.85	
tert-Butylbenzene	ND	0.85	0.13	0.85	
Carbon Disulfide	ND	8.5	0.26	0.85	
Carbon Tetrachloride	ND	0.85	0.24	0.85	
Chlorobenzene	ND	0.85	0.19	0.85	
Chloroethane	ND	1.7	1.3	0.85	
Chloroform	ND	0.85	0.20	0.85	
Chloromethane	ND	17	0.26	0.85	
2-Chlorotoluene	ND	0.85	0.20	0.85	
4-Chlorotoluene	ND	0.85	0.18	0.85	
Dibromochloromethane	ND	1.7	0.48	0.85	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.85	
1,2-Dibromoethane	ND	0.85	0.22	0.85	
Dibromomethane	ND	0.85	0.66	0.85	
1,2-Dichlorobenzene	ND	0.85	0.19	0.85	
1,3-Dichlorobenzene	ND	0.85	0.15	0.85	
1,4-Dichlorobenzene	ND	0.85	0.19	0.85	
Dichlorodifluoromethane	ND	1.7	0.38	0.85	
1,1-Dichloroethane	0.22	0.85	0.18	0.85	J
1,2-Dichloroethane	ND	0.85	0.27	0.85	
1,1-Dichloroethene	ND	0.85	0.29	0.85	
c-1,2-Dichloroethene	15	0.85	0.24	0.85	
t-1,2-Dichloroethene	0.54	0.85	0.43	0.85	J
1,2-Dichloropropane	ND	0.85	0.37	0.85	
1,3-Dichloropropane	ND	0.85	0.21	0.85	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.85	
1,1-Dichloropropene	ND	1.7	0.28	0.85	
c-1,3-Dichloropropene	ND	0.85	0.22	0.85	
t-1,3-Dichloropropene	ND	1.7	0.51	0.85	
Ethylbenzene	ND	0.85	0.13	0.85	
2-Hexanone	ND	17	1.5	0.85	
Isopropylbenzene	ND	0.85	0.46	0.85	
p-Isopropyltoluene	ND	0.85	0.54	0.85	
Methylene Chloride	ND	8.5	1.1	0.85	
4-Methyl-2-Pentanone	ND	17	3.7	0.85	
Naphthalene	ND	8.5	0.69	0.85	
n-Propylbenzene	ND	1.7	0.43	0.85	
Styrene	ND	0.85	0.51	0.85	
1,1,1,2-Tetrachloroethane	ND	0.85	0.20	0.85	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.85	
Tetrachloroethene	9.9	0.85	0.18	0.85	
Toluene	ND	0.85	0.44	0.85	
1,2,3-Trichlorobenzene	ND	1.7	0.78	0.85	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.85	
1,1,1-Trichloroethane	ND	0.85	0.19	0.85	
1,1,2-Trichloroethane	ND	0.85	0.30	0.85	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.5	0.30	0.85	
Trichloroethene	24	1.7	0.26	0.85	
Trichlorofluoromethane	ND	8.5	0.32	0.85	
1,2,3-Trichloropropane	ND	1.7	0.71	0.85	
1,2,4-Trimethylbenzene	ND	1.7	0.50	0.85	
1,3,5-Trimethylbenzene	ND	1.7	0.47	0.85	
Vinyl Acetate	ND	8.5	4.0	0.85	
Vinyl Chloride	ND	0.85	0.43	0.85	
p/m-Xylene	ND	1.7	0.23	0.85	
o-Xylene	ND	0.85	0.47	0.85	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.85	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	120	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B78-10	**13-07-1227-27-C**	**07/18/13 10:35**	**Soil**	**GC/MS LL**	**07/18/13**	**07/27/13 19:34**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	9.5	50	6.2	1	J
Benzene	0.30	1.0	0.13	1	J
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	10	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental	Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building	Work Order:	13-07-1227
Long Beach, CA 90802-3335	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Panama Site / MCGU-13-2252		Page 54 of 131

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	20	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	40	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	96	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 55 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-1	**13-07-1227-28-C**	**07/18/13 11:00**	**Soil**	**GC/MS OO**	**07/18/13**	**07/20/13 16:49**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	14	44	5.6	0.89	J
Benzene	2.0	0.89	0.12	0.89	
Bromobenzene	ND	0.89	0.19	0.89	
Bromochloromethane	ND	1.8	0.61	0.89	
Bromodichloromethane	ND	0.89	0.21	0.89	
Bromoform	ND	4.4	0.71	0.89	
Bromomethane	ND	18	8.4	0.89	
2-Butanone	ND	18	3.4	0.89	
n-Butylbenzene	ND	0.89	0.14	0.89	
sec-Butylbenzene	ND	0.89	0.51	0.89	
tert-Butylbenzene	ND	0.89	0.13	0.89	
Carbon Disulfide	3.5	8.9	0.27	0.89	J
Carbon Tetrachloride	ND	0.89	0.25	0.89	
Chlorobenzene	ND	0.89	0.20	0.89	
Chloroethane	ND	1.8	1.3	0.89	
Chloroform	ND	0.89	0.21	0.89	
Chloromethane	0.30	18	0.27	0.89	B,J
2-Chlorotoluene	ND	0.89	0.21	0.89	
4-Chlorotoluene	ND	0.89	0.19	0.89	
Dibromochloromethane	ND	1.8	0.51	0.89	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.89	
1,2-Dibromoethane	ND	0.89	0.23	0.89	
Dibromomethane	ND	0.89	0.69	0.89	
1,2-Dichlorobenzene	ND	0.89	0.20	0.89	
1,3-Dichlorobenzene	ND	0.89	0.16	0.89	
1,4-Dichlorobenzene	ND	0.89	0.20	0.89	
Dichlorodifluoromethane	ND	1.8	0.39	0.89	
1,1-Dichloroethane	ND	0.89	0.19	0.89	
1,2-Dichloroethane	ND	0.89	0.28	0.89	
1,1-Dichloroethene	ND	0.89	0.31	0.89	
c-1,2-Dichloroethene	ND	0.89	0.25	0.89	
t-1,2-Dichloroethene	ND	0.89	0.45	0.89	
1,2-Dichloropropane	ND	0.89	0.39	0.89	
1,3-Dichloropropane	ND	0.89	0.22	0.89	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.89	
1,1-Dichloropropene	ND	1.8	0.29	0.89	
c-1,3-Dichloropropene	ND	0.89	0.23	0.89	
t-1,3-Dichloropropene	ND	1.8	0.54	0.89	
Ethylbenzene	0.17	0.89	0.13	0.89	J
2-Hexanone	ND	18	1.6	0.89	
Isopropylbenzene	ND	0.89	0.49	0.89	
p-Isopropyltoluene	ND	0.89	0.56	0.89	
Methylene Chloride	ND	8.9	1.2	0.89	
4-Methyl-2-Pentanone	ND	18	3.8	0.89	
Naphthalene	ND	8.9	0.72	0.89	
n-Propylbenzene	ND	1.8	0.45	0.89	
Styrene	ND	0.89	0.54	0.89	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	0.89	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.89	
Tetrachloroethene	4.9	0.89	0.19	0.89	
Toluene	1.3	0.89	0.46	0.89	
1,2,3-Trichlorobenzene	ND	1.8	0.81	0.89	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.89	
1,1,1-Trichloroethane	ND	0.89	0.20	0.89	
1,1,2-Trichloroethane	ND	0.89	0.32	0.89	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	0.89	
Trichloroethene	2.4	1.8	0.27	0.89	
Trichlorofluoromethane	ND	8.9	0.33	0.89	
1,2,3-Trichloropropane	ND	1.8	0.74	0.89	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.89	
1,3,5-Trimethylbenzene	ND	1.8	0.49	0.89	
Vinyl Acetate	ND	8.9	4.2	0.89	
Vinyl Chloride	ND	0.89	0.45	0.89	
p/m-Xylene	ND	1.8	0.24	0.89	
o-Xylene	ND	0.89	0.50	0.89	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.89	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-2.5	**13-07-1227-29-C**	**07/18/13 11:05**	**Soil**	**GC/MS OO**	**07/18/13**	**07/20/13 17:15**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	17	50	6.2	1	J
Benzene	3.6	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	0.36	10	0.31	1	J
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	2.1	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	0.24	1.0	0.15	1	J
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	56	1.0	0.21	1	
Toluene	1.9	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	49	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	0.28	2.0	0.27	1	J
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 59 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-5	**13-07-1227-30-C**	**07/18/13 11:10**	**Soil**	**GC/MS R**	**07/18/13**	**07/20/13 15:15**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	12	41	5.1	0.814	J
Benzene	ND	0.81	0.11	0.814	
Bromobenzene	ND	0.81	0.17	0.814	
Bromochloromethane	ND	1.6	0.56	0.814	
Bromodichloromethane	ND	0.81	0.19	0.814	
Bromoform	ND	4.1	0.65	0.814	
Bromomethane	ND	16	7.7	0.814	
2-Butanone	ND	16	3.1	0.814	
n-Butylbenzene	ND	0.81	0.13	0.814	
sec-Butylbenzene	ND	0.81	0.47	0.814	
tert-Butylbenzene	ND	0.81	0.12	0.814	
Carbon Disulfide	ND	8.1	0.25	0.814	
Carbon Tetrachloride	ND	0.81	0.23	0.814	
Chlorobenzene	ND	0.81	0.18	0.814	
Chloroethane	ND	1.6	1.2	0.814	
Chloroform	ND	0.81	0.19	0.814	
Chloromethane	ND	16	0.25	0.814	
2-Chlorotoluene	ND	0.81	0.19	0.814	
4-Chlorotoluene	ND	0.81	0.17	0.814	
Dibromochloromethane	ND	1.6	0.46	0.814	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.814	
1,2-Dibromoethane	ND	0.81	0.21	0.814	
Dibromomethane	ND	0.81	0.63	0.814	
1,2-Dichlorobenzene	ND	0.81	0.19	0.814	
1,3-Dichlorobenzene	ND	0.81	0.14	0.814	
1,4-Dichlorobenzene	ND	0.81	0.18	0.814	
Dichlorodifluoromethane	ND	1.6	0.36	0.814	
1,1-Dichloroethane	ND	0.81	0.17	0.814	
1,2-Dichloroethane	ND	0.81	0.26	0.814	
1,1-Dichloroethene	ND	0.81	0.28	0.814	
c-1,2-Dichloroethene	1.8	0.81	0.23	0.814	
t-1,2-Dichloroethene	ND	0.81	0.41	0.814	
1,2-Dichloropropane	ND	0.81	0.36	0.814	
1,3-Dichloropropane	ND	0.81	0.21	0.814	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.814	
1,1-Dichloropropene	ND	1.6	0.27	0.814	
c-1,3-Dichloropropene	ND	0.81	0.21	0.814	
t-1,3-Dichloropropene	ND	1.6	0.49	0.814	
Ethylbenzene	ND	0.81	0.12	0.814	
2-Hexanone	ND	16	1.4	0.814	
Isopropylbenzene	ND	0.81	0.44	0.814	
p-Isopropyltoluene	ND	0.81	0.51	0.814	
Methylene Chloride	ND	8.1	1.1	0.814	
4-Methyl-2-Pentanone	ND	16	3.5	0.814	
Naphthalene	ND	8.1	0.66	0.814	
n-Propylbenzene	ND	1.6	0.41	0.814	
Styrene	ND	0.81	0.49	0.814	
1,1,1,2-Tetrachloroethane	ND	0.81	0.20	0.814	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.814	
Tetrachloroethene	10	0.81	0.17	0.814	
Toluene	ND	0.81	0.42	0.814	
1,2,3-Trichlorobenzene	ND	1.6	0.74	0.814	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.814	
1,1,1-Trichloroethane	ND	0.81	0.18	0.814	
1,1,2-Trichloroethane	ND	0.81	0.29	0.814	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.29	0.814	
Trichloroethene	8.7	1.6	0.24	0.814	
Trichlorofluoromethane	ND	8.1	0.31	0.814	
1,2,3-Trichloropropane	ND	1.6	0.68	0.814	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.814	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.814	
Vinyl Acetate	ND	8.1	3.9	0.814	
Vinyl Chloride	ND	0.81	0.41	0.814	
p/m-Xylene	ND	1.6	0.22	0.814	
o-Xylene	ND	0.81	0.45	0.814	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.814	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 61 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B77-10	**13-07-1227-31-C**	**07/18/13 11:15**	**Soil**	**GC/MS R**	**07/18/13**	**07/20/13 15:42**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	48	6.0	0.956	
Benzene	ND	0.96	0.12	0.956	
Bromobenzene	ND	0.96	0.20	0.956	
Bromochloromethane	ND	1.9	0.66	0.956	
Bromodichloromethane	ND	0.96	0.22	0.956	
Bromoform	ND	4.8	0.76	0.956	
Bromomethane	ND	19	9.0	0.956	
2-Butanone	ND	19	3.6	0.956	
n-Butylbenzene	ND	0.96	0.15	0.956	
sec-Butylbenzene	ND	0.96	0.55	0.956	
tert-Butylbenzene	ND	0.96	0.14	0.956	
Carbon Disulfide	ND	9.6	0.29	0.956	
Carbon Tetrachloride	ND	0.96	0.27	0.956	
Chlorobenzene	ND	0.96	0.21	0.956	
Chloroethane	ND	1.9	1.4	0.956	
Chloroform	ND	0.96	0.23	0.956	
Chloromethane	ND	19	0.29	0.956	
2-Chlorotoluene	ND	0.96	0.22	0.956	
4-Chlorotoluene	ND	0.96	0.20	0.956	
Dibromochloromethane	ND	1.9	0.55	0.956	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.7	0.956	
1,2-Dibromoethane	ND	0.96	0.24	0.956	
Dibromomethane	ND	0.96	0.74	0.956	
1,2-Dichlorobenzene	ND	0.96	0.22	0.956	
1,3-Dichlorobenzene	ND	0.96	0.17	0.956	
1,4-Dichlorobenzene	ND	0.96	0.21	0.956	
Dichlorodifluoromethane	ND	1.9	0.42	0.956	
1,1-Dichloroethane	ND	0.96	0.20	0.956	
1,2-Dichloroethane	ND	0.96	0.30	0.956	
1,1-Dichloroethene	ND	0.96	0.33	0.956	
c-1,2-Dichloroethene	1.2	0.96	0.27	0.956	
t-1,2-Dichloroethene	ND	0.96	0.48	0.956	
1,2-Dichloropropane	ND	0.96	0.42	0.956	
1,3-Dichloropropane	ND	0.96	0.24	0.956	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.8	0.32	0.956	
1,1-Dichloropropene	ND	1.9	0.31	0.956	
c-1,3-Dichloropropene	ND	0.96	0.24	0.956	
t-1,3-Dichloropropene	ND	1.9	0.58	0.956	
Ethylbenzene	ND	0.96	0.14	0.956	
2-Hexanone	ND	19	1.7	0.956	
Isopropylbenzene	ND	0.96	0.52	0.956	
p-Isopropyltoluene	ND	0.96	0.60	0.956	
Methylene Chloride	ND	9.6	1.3	0.956	
4-Methyl-2-Pentanone	ND	19	4.1	0.956	
Naphthalene	ND	9.6	0.78	0.956	
n-Propylbenzene	ND	1.9	0.48	0.956	
Styrene	ND	0.96	0.58	0.956	
1,1,1,2-Tetrachloroethane	ND	0.96	0.23	0.956	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	0.956	
Tetrachloroethene	12	0.96	0.20	0.956	
Toluene	ND	0.96	0.49	0.956	
1,2,3-Trichlorobenzene	ND	1.9	0.87	0.956	
1,2,4-Trichlorobenzene	ND	1.9	0.30	0.956	
1,1,1-Trichloroethane	ND	0.96	0.22	0.956	
1,1,2-Trichloroethane	ND	0.96	0.34	0.956	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.6	0.34	0.956	
Trichloroethene	7.8	1.9	0.29	0.956	
Trichlorofluoromethane	ND	9.6	0.36	0.956	
1,2,3-Trichloropropane	ND	1.9	0.79	0.956	
1,2,4-Trimethylbenzene	ND	1.9	0.56	0.956	
1,3,5-Trimethylbenzene	ND	1.9	0.52	0.956	
Vinyl Acetate	ND	9.6	4.5	0.956	
Vinyl Chloride	ND	0.96	0.48	0.956	
p/m-Xylene	ND	1.9	0.26	0.956	
o-Xylene	ND	0.96	0.53	0.956	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.956	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-1	**13-07-1227-32-C**	**07/18/13 11:45**	**Soil**	**GC/MS R**	**07/18/13**	**07/20/13 16:10**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	26	42	5.2	0.84	J
Benzene	1.8	0.84	0.11	0.84	
Bromobenzene	ND	0.84	0.18	0.84	
Bromochloromethane	ND	1.7	0.58	0.84	
Bromodichloromethane	ND	0.84	0.20	0.84	
Bromoform	ND	4.2	0.67	0.84	
Bromomethane	ND	17	7.9	0.84	
2-Butanone	3.9	17	3.2	0.84	J
n-Butylbenzene	ND	0.84	0.13	0.84	
sec-Butylbenzene	ND	0.84	0.49	0.84	
tert-Butylbenzene	ND	0.84	0.13	0.84	
Carbon Disulfide	0.77	8.4	0.26	0.84	J
Carbon Tetrachloride	ND	0.84	0.24	0.84	
Chlorobenzene	ND	0.84	0.19	0.84	
Chloroethane	ND	1.7	1.3	0.84	
Chloroform	ND	0.84	0.20	0.84	
Chloromethane	ND	17	0.26	0.84	
2-Chlorotoluene	ND	0.84	0.19	0.84	
4-Chlorotoluene	ND	0.84	0.18	0.84	
Dibromochloromethane	ND	1.7	0.48	0.84	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.84	
1,2-Dibromoethane	ND	0.84	0.21	0.84	
Dibromomethane	ND	0.84	0.65	0.84	
1,2-Dichlorobenzene	ND	0.84	0.19	0.84	
1,3-Dichlorobenzene	ND	0.84	0.15	0.84	
1,4-Dichlorobenzene	ND	0.84	0.19	0.84	
Dichlorodifluoromethane	ND	1.7	0.37	0.84	
1,1-Dichloroethane	ND	0.84	0.18	0.84	
1,2-Dichloroethane	ND	0.84	0.26	0.84	
1,1-Dichloroethene	ND	0.84	0.29	0.84	
c-1,2-Dichloroethene	ND	0.84	0.24	0.84	
t-1,2-Dichloroethene	ND	0.84	0.43	0.84	
1,2-Dichloropropane	ND	0.84	0.37	0.84	
1,3-Dichloropropane	ND	0.84	0.21	0.84	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.84	
1,1-Dichloropropene	ND	1.7	0.28	0.84	
c-1,3-Dichloropropene	ND	0.84	0.21	0.84	
t-1,3-Dichloropropene	ND	1.7	0.51	0.84	
Ethylbenzene	0.20	0.84	0.13	0.84	J
2-Hexanone	ND	17	1.5	0.84	
Isopropylbenzene	ND	0.84	0.46	0.84	
p-Isopropyltoluene	ND	0.84	0.53	0.84	
Methylene Chloride	ND	8.4	1.1	0.84	
4-Methyl-2-Pentanone	ND	17	3.6	0.84	
Naphthalene	ND	8.4	0.68	0.84	
n-Propylbenzene	ND	1.7	0.42	0.84	
Styrene	ND	0.84	0.51	0.84	
1,1,1,2-Tetrachloroethane	ND	0.84	0.20	0.84	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.84	
Tetrachloroethene	0.21	0.84	0.18	0.84	J
Toluene	1.3	0.84	0.43	0.84	
1,2,3-Trichlorobenzene	ND	1.7	0.77	0.84	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.84	
1,1,1-Trichloroethane	ND	0.84	0.19	0.84	
1,1,2-Trichloroethane	ND	0.84	0.30	0.84	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.30	0.84	
Trichloroethene	0.27	1.7	0.25	0.84	J
Trichlorofluoromethane	ND	8.4	0.32	0.84	
1,2,3-Trichloropropane	ND	1.7	0.70	0.84	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.84	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.84	
Vinyl Acetate	ND	8.4	4.0	0.84	
Vinyl Chloride	ND	0.84	0.42	0.84	
p/m-Xylene	0.37	1.7	0.23	0.84	J
o-Xylene	ND	0.84	0.47	0.84	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.84	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	97	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-2.5	**13-07-1227-33-C**	**07/18/13 11:50**	**Soil**	**GC/MS R**	**07/18/13**	**07/20/13 16:37**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	37	48	6.0	0.96	J
Benzene	9.8	0.96	0.12	0.96	
Bromobenzene	ND	0.96	0.20	0.96	
Bromochloromethane	ND	1.9	0.66	0.96	
Bromodichloromethane	ND	0.96	0.22	0.96	
Bromoform	ND	4.8	0.76	0.96	
Bromomethane	ND	19	9.0	0.96	
2-Butanone	7.5	19	3.6	0.96	J
n-Butylbenzene	ND	0.96	0.15	0.96	
sec-Butylbenzene	ND	0.96	0.55	0.96	
tert-Butylbenzene	ND	0.96	0.14	0.96	
Carbon Disulfide	0.51	9.6	0.29	0.96	J
Carbon Tetrachloride	ND	0.96	0.27	0.96	
Chlorobenzene	ND	0.96	0.22	0.96	
Chloroethane	ND	1.9	1.4	0.96	
Chloroform	ND	0.96	0.23	0.96	
Chloromethane	ND	19	0.29	0.96	
2-Chlorotoluene	ND	0.96	0.22	0.96	
4-Chlorotoluene	ND	0.96	0.20	0.96	
Dibromochloromethane	ND	1.9	0.55	0.96	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.7	0.96	
1,2-Dibromoethane	ND	0.96	0.25	0.96	
Dibromomethane	ND	0.96	0.74	0.96	
1,2-Dichlorobenzene	ND	0.96	0.22	0.96	
1,3-Dichlorobenzene	ND	0.96	0.17	0.96	
1,4-Dichlorobenzene	ND	0.96	0.21	0.96	
Dichlorodifluoromethane	ND	1.9	0.43	0.96	
1,1-Dichloroethane	ND	0.96	0.20	0.96	
1,2-Dichloroethane	ND	0.96	0.30	0.96	
1,1-Dichloroethene	ND	0.96	0.33	0.96	
c-1,2-Dichloroethene	78	0.96	0.27	0.96	
t-1,2-Dichloroethene	2.1	0.96	0.49	0.96	
1,2-Dichloropropane	ND	0.96	0.42	0.96	
1,3-Dichloropropane	ND	0.96	0.24	0.96	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.8	0.32	0.96	
1,1-Dichloropropene	ND	1.9	0.32	0.96	
c-1,3-Dichloropropene	ND	0.96	0.24	0.96	
t-1,3-Dichloropropene	ND	1.9	0.58	0.96	
Ethylbenzene	1.0	0.96	0.15	0.96	
2-Hexanone	ND	19	1.7	0.96	
Isopropylbenzene	ND	0.96	0.52	0.96	
p-Isopropyltoluene	ND	0.96	0.60	0.96	
Methylene Chloride	ND	9.6	1.3	0.96	
4-Methyl-2-Pentanone	ND	19	4.1	0.96	
Naphthalene	ND	9.6	0.78	0.96	
n-Propylbenzene	ND	1.9	0.48	0.96	
Styrene	ND	0.96	0.58	0.96	
1,1,1,2-Tetrachloroethane	ND	0.96	0.23	0.96	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	0.96	
Tetrachloroethene	31	0.96	0.20	0.96	
Toluene	6.2	0.96	0.49	0.96	
1,2,3-Trichlorobenzene	ND	1.9	0.88	0.96	
1,2,4-Trichlorobenzene	ND	1.9	0.30	0.96	
1,1,1-Trichloroethane	ND	0.96	0.22	0.96	
1,1,2-Trichloroethane	ND	0.96	0.34	0.96	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.6	0.34	0.96	
Trichloroethene	61	1.9	0.29	0.96	
Trichlorofluoromethane	ND	9.6	0.36	0.96	
1,2,3-Trichloropropane	ND	1.9	0.80	0.96	
1,2,4-Trimethylbenzene	ND	1.9	0.56	0.96	
1,3,5-Trimethylbenzene	ND	1.9	0.53	0.96	
Vinyl Acetate	ND	9.6	4.6	0.96	
Vinyl Chloride	ND	0.96	0.48	0.96	
p/m-Xylene	1.4	1.9	0.26	0.96	J
o-Xylene	0.66	0.96	0.53	0.96	J
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.96	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	96	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-5	**13-07-1227-34-C**	**07/18/13 11:55**	**Soil**	**GC/MS R**	**07/18/13**	**07/20/13 17:04**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	16	42	5.2	0.839	J
Benzene	ND	0.84	0.11	0.839	
Bromobenzene	ND	0.84	0.18	0.839	
Bromochloromethane	ND	1.7	0.58	0.839	
Bromodichloromethane	ND	0.84	0.20	0.839	
Bromoform	ND	4.2	0.67	0.839	
Bromomethane	ND	17	7.9	0.839	
2-Butanone	ND	17	3.2	0.839	
n-Butylbenzene	ND	0.84	0.13	0.839	
sec-Butylbenzene	ND	0.84	0.48	0.839	
tert-Butylbenzene	ND	0.84	0.13	0.839	
Carbon Disulfide	ND	8.4	0.26	0.839	
Carbon Tetrachloride	ND	0.84	0.24	0.839	
Chlorobenzene	ND	0.84	0.19	0.839	
Chloroethane	ND	1.7	1.3	0.839	
Chloroform	ND	0.84	0.20	0.839	
Chloromethane	ND	17	0.26	0.839	
2-Chlorotoluene	ND	0.84	0.19	0.839	
4-Chlorotoluene	ND	0.84	0.18	0.839	
Dibromochloromethane	ND	1.7	0.48	0.839	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.839	
1,2-Dibromoethane	ND	0.84	0.21	0.839	
Dibromomethane	ND	0.84	0.65	0.839	
1,2-Dichlorobenzene	ND	0.84	0.19	0.839	
1,3-Dichlorobenzene	ND	0.84	0.15	0.839	
1,4-Dichlorobenzene	ND	0.84	0.19	0.839	
Dichlorodifluoromethane	ND	1.7	0.37	0.839	
1,1-Dichloroethane	ND	0.84	0.18	0.839	
1,2-Dichloroethane	ND	0.84	0.26	0.839	
1,1-Dichloroethene	ND	0.84	0.29	0.839	
c-1,2-Dichloroethene	13	0.84	0.23	0.839	
t-1,2-Dichloroethene	ND	0.84	0.42	0.839	
1,2-Dichloropropane	ND	0.84	0.37	0.839	
1,3-Dichloropropane	ND	0.84	0.21	0.839	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.839	
1,1-Dichloropropene	ND	1.7	0.28	0.839	
c-1,3-Dichloropropene	ND	0.84	0.21	0.839	
t-1,3-Dichloropropene	ND	1.7	0.51	0.839	
Ethylbenzene	ND	0.84	0.13	0.839	
2-Hexanone	ND	17	1.5	0.839	
Isopropylbenzene	ND	0.84	0.46	0.839	
p-Isopropyltoluene	ND	0.84	0.53	0.839	
Methylene Chloride	ND	8.4	1.1	0.839	
4-Methyl-2-Pentanone	ND	17	3.6	0.839	
Naphthalene	ND	8.4	0.68	0.839	
n-Propylbenzene	ND	1.7	0.42	0.839	
Styrene	ND	0.84	0.51	0.839	
1,1,1,2-Tetrachloroethane	ND	0.84	0.20	0.839	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.839	
Tetrachloroethene	0.68	0.84	0.18	0.839	J
Toluene	ND	0.84	0.43	0.839	
1,2,3-Trichlorobenzene	ND	1.7	0.77	0.839	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.839	
1,1,1-Trichloroethane	ND	0.84	0.19	0.839	
1,1,2-Trichloroethane	ND	0.84	0.30	0.839	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.30	0.839	
Trichloroethene	2.1	1.7	0.25	0.839	
Trichlorofluoromethane	ND	8.4	0.31	0.839	
1,2,3-Trichloropropane	ND	1.7	0.70	0.839	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.839	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.839	
Vinyl Acetate	ND	8.4	4.0	0.839	
Vinyl Chloride	ND	0.84	0.42	0.839	
p/m-Xylene	ND	1.7	0.22	0.839	
o-Xylene	ND	0.84	0.47	0.839	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.839	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	94	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 69 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B98-10	**13-07-1227-35-C**	**07/18/13 12:00**	**Soil**	**GC/MS R**	**07/18/13**	**07/20/13 17:32**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.4	47	5.9	0.938	J
Benzene	ND	0.94	0.12	0.938	
Bromobenzene	ND	0.94	0.20	0.938	
Bromochloromethane	ND	1.9	0.65	0.938	
Bromodichloromethane	ND	0.94	0.22	0.938	
Bromoform	ND	4.7	0.75	0.938	
Bromomethane	ND	19	8.8	0.938	
2-Butanone	ND	19	3.5	0.938	
n-Butylbenzene	ND	0.94	0.15	0.938	
sec-Butylbenzene	ND	0.94	0.54	0.938	
tert-Butylbenzene	ND	0.94	0.14	0.938	
Carbon Disulfide	ND	9.4	0.29	0.938	
Carbon Tetrachloride	ND	0.94	0.27	0.938	
Chlorobenzene	ND	0.94	0.21	0.938	
Chloroethane	ND	1.9	1.4	0.938	
Chloroform	ND	0.94	0.22	0.938	
Chloromethane	0.37	19	0.29	0.938	J
2-Chlorotoluene	ND	0.94	0.22	0.938	
4-Chlorotoluene	ND	0.94	0.20	0.938	
Dibromochloromethane	ND	1.9	0.53	0.938	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.938	
1,2-Dibromoethane	ND	0.94	0.24	0.938	
Dibromomethane	ND	0.94	0.73	0.938	
1,2-Dichlorobenzene	ND	0.94	0.21	0.938	
1,3-Dichlorobenzene	ND	0.94	0.17	0.938	
1,4-Dichlorobenzene	ND	0.94	0.21	0.938	
Dichlorodifluoromethane	ND	1.9	0.42	0.938	
1,1-Dichloroethane	ND	0.94	0.20	0.938	
1,2-Dichloroethane	ND	0.94	0.29	0.938	
1,1-Dichloroethene	ND	0.94	0.32	0.938	
c-1,2-Dichloroethene	9.9	0.94	0.26	0.938	
t-1,2-Dichloroethene	ND	0.94	0.47	0.938	
1,2-Dichloropropane	ND	0.94	0.41	0.938	
1,3-Dichloropropane	ND	0.94	0.24	0.938	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.938	
1,1-Dichloropropene	ND	1.9	0.31	0.938	
c-1,3-Dichloropropene	ND	0.94	0.24	0.938	
t-1,3-Dichloropropene	ND	1.9	0.57	0.938	
Ethylbenzene	ND	0.94	0.14	0.938	
2-Hexanone	ND	19	1.7	0.938	
Isopropylbenzene	ND	0.94	0.51	0.938	
p-Isopropyltoluene	ND	0.94	0.59	0.938	
Methylene Chloride	ND	9.4	1.3	0.938	
4-Methyl-2-Pentanone	ND	19	4.1	0.938	
Naphthalene	ND	9.4	0.76	0.938	
n-Propylbenzene	ND	1.9	0.47	0.938	
Styrene	ND	0.94	0.57	0.938	
1,1,1,2-Tetrachloroethane	ND	0.94	0.23	0.938	
1,1,2,2-Tetrachloroethane	ND	1.9	0.32	0.938	
Tetrachloroethene	1.2	0.94	0.20	0.938	
Toluene	ND	0.94	0.48	0.938	
1,2,3-Trichlorobenzene	ND	1.9	0.86	0.938	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.938	
1,1,1-Trichloroethane	ND	0.94	0.21	0.938	
1,1,2-Trichloroethane	ND	0.94	0.33	0.938	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.4	0.33	0.938	
Trichloroethene	3.5	1.9	0.28	0.938	
Trichlorofluoromethane	ND	9.4	0.35	0.938	
1,2,3-Trichloropropane	ND	1.9	0.78	0.938	
1,2,4-Trimethylbenzene	ND	1.9	0.55	0.938	
1,3,5-Trimethylbenzene	ND	1.9	0.51	0.938	
Vinyl Acetate	ND	9.4	4.5	0.938	
Vinyl Chloride	ND	0.94	0.47	0.938	
p/m-Xylene	ND	1.9	0.25	0.938	
o-Xylene	ND	0.94	0.52	0.938	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.938	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 71 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-1	**13-07-1227-36-C**	**07/18/13 12:40**	**Soil**	**GC/MS LL**	**07/18/13**	**07/27/13 20:02**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	32	44	5.5	0.883	J
Benzene	2.8	0.88	0.11	0.883	
Bromobenzene	ND	0.88	0.19	0.883	
Bromochloromethane	ND	1.8	0.61	0.883	
Bromodichloromethane	ND	0.88	0.21	0.883	
Bromoform	ND	4.4	0.70	0.883	
Bromomethane	ND	18	8.3	0.883	
2-Butanone	ND	18	3.3	0.883	
n-Butylbenzene	ND	0.88	0.14	0.883	
sec-Butylbenzene	ND	0.88	0.51	0.883	
tert-Butylbenzene	ND	0.88	0.13	0.883	
Carbon Disulfide	1.1	8.8	0.27	0.883	J
Carbon Tetrachloride	ND	0.88	0.25	0.883	
Chlorobenzene	0.61	0.88	0.20	0.883	J
Chloroethane	ND	1.8	1.3	0.883	
Chloroform	ND	0.88	0.21	0.883	
Chloromethane	0.46	18	0.27	0.883	J
2-Chlorotoluene	ND	0.88	0.20	0.883	
4-Chlorotoluene	ND	0.88	0.19	0.883	
Dibromochloromethane	ND	1.8	0.50	0.883	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.883	
1,2-Dibromoethane	ND	0.88	0.23	0.883	
Dibromomethane	ND	0.88	0.68	0.883	
1,2-Dichlorobenzene	ND	0.88	0.20	0.883	
1,3-Dichlorobenzene	ND	0.88	0.16	0.883	
1,4-Dichlorobenzene	ND	0.88	0.20	0.883	
Dichlorodifluoromethane	ND	1.8	0.39	0.883	
1,1-Dichloroethane	0.69	0.88	0.19	0.883	J
1,2-Dichloroethane	ND	0.88	0.28	0.883	
1,1-Dichloroethene	0.61	0.88	0.31	0.883	J
c-1,2-Dichloroethene	160	0.88	0.25	0.883	
t-1,2-Dichloroethene	5.8	0.88	0.45	0.883	
1,2-Dichloropropane	ND	0.88	0.39	0.883	
1,3-Dichloropropane	ND	0.88	0.22	0.883	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.883	
1,1-Dichloropropene	ND	1.8	0.29	0.883	
c-1,3-Dichloropropene	ND	0.88	0.22	0.883	
t-1,3-Dichloropropene	ND	1.8	0.53	0.883	
Ethylbenzene	ND	0.88	0.13	0.883	
2-Hexanone	ND	18	1.6	0.883	
Isopropylbenzene	ND	0.88	0.48	0.883	
p-Isopropyltoluene	ND	0.88	0.56	0.883	
Methylene Chloride	ND	8.8	1.2	0.883	
4-Methyl-2-Pentanone	ND	18	3.8	0.883	
Naphthalene	ND	8.8	0.72	0.883	
n-Propylbenzene	ND	1.8	0.44	0.883	
Styrene	ND	0.88	0.53	0.883	
1,1,1,2-Tetrachloroethane	ND	0.88	0.21	0.883	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.883	
Tetrachloroethene	12	0.88	0.19	0.883	
Toluene	1.3	0.88	0.45	0.883	
1,2,3-Trichlorobenzene	ND	1.8	0.81	0.883	
1,2,4-Trichlorobenzene	ND	1.8	0.27	0.883	
1,1,1-Trichloroethane	ND	0.88	0.20	0.883	
1,1,2-Trichloroethane	ND	0.88	0.31	0.883	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.31	0.883	
Trichloroethene	170	1.8	0.27	0.883	
Trichlorofluoromethane	ND	8.8	0.33	0.883	
1,2,3-Trichloropropane	ND	1.8	0.73	0.883	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.883	
1,3,5-Trimethylbenzene	ND	1.8	0.48	0.883	
Vinyl Acetate	ND	8.8	4.2	0.883	
Vinyl Chloride	ND	0.88	0.44	0.883	
p/m-Xylene	ND	1.8	0.24	0.883	
o-Xylene	ND	0.88	0.49	0.883	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.883	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	80-120	
Dibromofluoromethane	93	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-2.5	**13-07-1227-37-C**	**07/18/13 12:45**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 15:11**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	11	44	5.5	0.887	J
Benzene	1.5	0.89	0.12	0.887	
Bromobenzene	ND	0.89	0.19	0.887	
Bromochloromethane	ND	1.8	0.61	0.887	
Bromodichloromethane	ND	0.89	0.21	0.887	
Bromoform	ND	4.4	0.70	0.887	
Bromomethane	ND	18	8.4	0.887	
2-Butanone	ND	18	3.3	0.887	
n-Butylbenzene	ND	0.89	0.14	0.887	
sec-Butylbenzene	ND	0.89	0.51	0.887	
tert-Butylbenzene	ND	0.89	0.13	0.887	
Carbon Disulfide	ND	8.9	0.27	0.887	
Carbon Tetrachloride	ND	0.89	0.25	0.887	
Chlorobenzene	0.20	0.89	0.20	0.887	J
Chloroethane	ND	1.8	1.3	0.887	
Chloroform	ND	0.89	0.21	0.887	
Chloromethane	ND	18	0.27	0.887	
2-Chlorotoluene	ND	0.89	0.21	0.887	
4-Chlorotoluene	ND	0.89	0.19	0.887	
Dibromochloromethane	ND	1.8	0.51	0.887	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.887	
1,2-Dibromoethane	ND	0.89	0.23	0.887	
Dibromomethane	ND	0.89	0.69	0.887	
1,2-Dichlorobenzene	ND	0.89	0.20	0.887	
1,3-Dichlorobenzene	ND	0.89	0.16	0.887	
1,4-Dichlorobenzene	ND	0.89	0.20	0.887	
Dichlorodifluoromethane	ND	1.8	0.39	0.887	
1,1-Dichloroethane	ND	0.89	0.19	0.887	
1,2-Dichloroethane	ND	0.89	0.28	0.887	
1,1-Dichloroethene	ND	0.89	0.31	0.887	
c-1,2-Dichloroethene	46	0.89	0.25	0.887	
t-1,2-Dichloroethene	ND	0.89	0.45	0.887	
1,2-Dichloropropane	ND	0.89	0.39	0.887	
1,3-Dichloropropane	ND	0.89	0.22	0.887	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.887	
1,1-Dichloropropene	ND	1.8	0.29	0.887	
c-1,3-Dichloropropene	ND	0.89	0.23	0.887	
t-1,3-Dichloropropene	ND	1.8	0.54	0.887	
Ethylbenzene	ND	0.89	0.13	0.887	
2-Hexanone	ND	18	1.6	0.887	
Isopropylbenzene	ND	0.89	0.48	0.887	
p-Isopropyltoluene	ND	0.89	0.56	0.887	
Methylene Chloride	ND	8.9	1.2	0.887	
4-Methyl-2-Pentanone	ND	18	3.8	0.887	
Naphthalene	ND	8.9	0.72	0.887	
n-Propylbenzene	ND	1.8	0.45	0.887	
Styrene	ND	0.89	0.54	0.887	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	0.887	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.887	
Tetrachloroethene	2.5	0.89	0.19	0.887	
Toluene	0.86	0.89	0.46	0.887	J
1,2,3-Trichlorobenzene	ND	1.8	0.81	0.887	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.887	
1,1,1-Trichloroethane	ND	0.89	0.20	0.887	
1,1,2-Trichloroethane	ND	0.89	0.31	0.887	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	0.887	
Trichloroethene	13	1.8	0.27	0.887	
Trichlorofluoromethane	ND	8.9	0.33	0.887	
1,2,3-Trichloropropane	ND	1.8	0.74	0.887	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.887	
1,3,5-Trimethylbenzene	ND	1.8	0.49	0.887	
Vinyl Acetate	ND	8.9	4.2	0.887	
Vinyl Chloride	ND	0.89	0.45	0.887	
p/m-Xylene	ND	1.8	0.24	0.887	
o-Xylene	ND	0.89	0.49	0.887	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.887	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-5	**13-07-1227-38-C**	**07/18/13 12:50**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 15:38**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	16	41	5.1	0.824	J
Benzene	0.17	0.82	0.11	0.824	J
Bromobenzene	ND	0.82	0.17	0.824	
Bromochloromethane	ND	1.6	0.57	0.824	
Bromodichloromethane	ND	0.82	0.19	0.824	
Bromoform	ND	4.1	0.65	0.824	
Bromomethane	ND	16	7.8	0.824	
2-Butanone	ND	16	3.1	0.824	
n-Butylbenzene	ND	0.82	0.13	0.824	
sec-Butylbenzene	ND	0.82	0.48	0.824	
tert-Butylbenzene	ND	0.82	0.12	0.824	
Carbon Disulfide	ND	8.2	0.25	0.824	
Carbon Tetrachloride	ND	0.82	0.23	0.824	
Chlorobenzene	ND	0.82	0.18	0.824	
Chloroethane	ND	1.6	1.2	0.824	
Chloroform	ND	0.82	0.20	0.824	
Chloromethane	0.70	16	0.25	0.824	J
2-Chlorotoluene	ND	0.82	0.19	0.824	
4-Chlorotoluene	ND	0.82	0.18	0.824	
Dibromochloromethane	ND	1.6	0.47	0.824	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.824	
1,2-Dibromoethane	ND	0.82	0.21	0.824	
Dibromomethane	ND	0.82	0.64	0.824	
1,2-Dichlorobenzene	ND	0.82	0.19	0.824	
1,3-Dichlorobenzene	ND	0.82	0.15	0.824	
1,4-Dichlorobenzene	ND	0.82	0.18	0.824	
Dichlorodifluoromethane	ND	1.6	0.37	0.824	
1,1-Dichloroethane	0.23	0.82	0.17	0.824	J
1,2-Dichloroethane	ND	0.82	0.26	0.824	
1,1-Dichloroethene	ND	0.82	0.29	0.824	
c-1,2-Dichloroethene	64	0.82	0.23	0.824	
t-1,2-Dichloroethene	ND	0.82	0.42	0.824	
1,2-Dichloropropane	ND	0.82	0.36	0.824	
1,3-Dichloropropane	ND	0.82	0.21	0.824	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.824	
1,1-Dichloropropene	ND	1.6	0.27	0.824	
c-1,3-Dichloropropene	ND	0.82	0.21	0.824	
t-1,3-Dichloropropene	ND	1.6	0.50	0.824	
Ethylbenzene	ND	0.82	0.12	0.824	
2-Hexanone	ND	16	1.5	0.824	
Isopropylbenzene	ND	0.82	0.45	0.824	
p-Isopropyltoluene	ND	0.82	0.52	0.824	
Methylene Chloride	ND	8.2	1.1	0.824	
4-Methyl-2-Pentanone	ND	16	3.6	0.824	
Naphthalene	ND	8.2	0.67	0.824	
n-Propylbenzene	ND	1.6	0.41	0.824	
Styrene	ND	0.82	0.50	0.824	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	0.824	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.824	
Tetrachloroethene	0.91	0.82	0.17	0.824	
Toluene	ND	0.82	0.42	0.824	
1,2,3-Trichlorobenzene	ND	1.6	0.75	0.824	
1,2,4-Trichlorobenzene	ND	1.6	0.26	0.824	
1,1,1-Trichloroethane	ND	0.82	0.19	0.824	
1,1,2-Trichloroethane	ND	0.82	0.29	0.824	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	0.824	
Trichloroethene	6.2	1.6	0.25	0.824	
Trichlorofluoromethane	ND	8.2	0.31	0.824	
1,2,3-Trichloropropane	ND	1.6	0.68	0.824	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.824	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.824	
Vinyl Acetate	ND	8.2	3.9	0.824	
Vinyl Chloride	ND	0.82	0.41	0.824	
p/m-Xylene	ND	1.6	0.22	0.824	
o-Xylene	ND	0.82	0.46	0.824	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.824	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	114	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B79-10	**13-07-1227-39-C**	**07/18/13 12:55**	**Soil**	**GC/MS LL**	**07/18/13**	**07/27/13 20:30**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	5.1	0.81	
Benzene	0.23	0.81	0.11	0.81	J
Bromobenzene	ND	0.81	0.17	0.81	
Bromochloromethane	ND	1.6	0.56	0.81	
Bromodichloromethane	ND	0.81	0.19	0.81	
Bromoform	ND	4.0	0.64	0.81	
Bromomethane	ND	16	7.6	0.81	
2-Butanone	ND	16	3.1	0.81	
n-Butylbenzene	ND	0.81	0.13	0.81	
sec-Butylbenzene	ND	0.81	0.47	0.81	
tert-Butylbenzene	ND	0.81	0.12	0.81	
Carbon Disulfide	ND	8.1	0.25	0.81	
Carbon Tetrachloride	ND	0.81	0.23	0.81	
Chlorobenzene	ND	0.81	0.18	0.81	
Chloroethane	ND	1.6	1.2	0.81	
Chloroform	ND	0.81	0.19	0.81	
Chloromethane	0.50	16	0.25	0.81	J
2-Chlorotoluene	ND	0.81	0.19	0.81	
4-Chlorotoluene	ND	0.81	0.17	0.81	
Dibromochloromethane	ND	1.6	0.46	0.81	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.81	
1,2-Dibromoethane	ND	0.81	0.21	0.81	
Dibromomethane	ND	0.81	0.63	0.81	
1,2-Dichlorobenzene	ND	0.81	0.19	0.81	
1,3-Dichlorobenzene	ND	0.81	0.14	0.81	
1,4-Dichlorobenzene	ND	0.81	0.18	0.81	
Dichlorodifluoromethane	ND	1.6	0.36	0.81	
1,1-Dichloroethane	0.35	0.81	0.17	0.81	J
1,2-Dichloroethane	ND	0.81	0.25	0.81	
1,1-Dichloroethene	0.33	0.81	0.28	0.81	J
c-1,2-Dichloroethene	78	0.81	0.23	0.81	
t-1,2-Dichloroethene	0.70	0.81	0.41	0.81	J
1,2-Dichloropropane	ND	0.81	0.35	0.81	
1,3-Dichloropropane	ND	0.81	0.20	0.81	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.27	0.81	
1,1-Dichloropropene	ND	1.6	0.27	0.81	
c-1,3-Dichloropropene	ND	0.81	0.21	0.81	
t-1,3-Dichloropropene	ND	1.6	0.49	0.81	
Ethylbenzene	ND	0.81	0.12	0.81	
2-Hexanone	ND	16	1.4	0.81	
Isopropylbenzene	ND	0.81	0.44	0.81	
p-Isopropyltoluene	ND	0.81	0.51	0.81	
Methylene Chloride	ND	8.1	1.1	0.81	
4-Methyl-2-Pentanone	ND	16	3.5	0.81	
Naphthalene	ND	8.1	0.66	0.81	
n-Propylbenzene	ND	1.6	0.41	0.81	
Styrene	ND	0.81	0.49	0.81	
1,1,1,2-Tetrachloroethane	ND	0.81	0.19	0.81	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.81	
Tetrachloroethene	2.2	0.81	0.17	0.81	
Toluene	ND	0.81	0.42	0.81	
1,2,3-Trichlorobenzene	ND	1.6	0.74	0.81	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.81	
1,1,1-Trichloroethane	ND	0.81	0.18	0.81	
1,1,2-Trichloroethane	ND	0.81	0.29	0.81	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.29	0.81	
Trichloroethene	10	1.6	0.24	0.81	
Trichlorofluoromethane	ND	8.1	0.30	0.81	
1,2,3-Trichloropropane	ND	1.6	0.67	0.81	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.81	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.81	
Vinyl Acetate	ND	8.1	3.8	0.81	
Vinyl Chloride	ND	0.81	0.41	0.81	
p/m-Xylene	ND	1.6	0.22	0.81	
o-Xylene	ND	0.81	0.45	0.81	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.81	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	93	79-133	
1,2-Dichloroethane-d4	97	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-1	**13-07-1227-40-D**	**07/18/13 13:15**	**Soil**	**GC/MS LL**	**07/18/13**	**07/30/13 16:30**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	30	41	5.2	0.828	J
Benzene	1.2	0.83	0.11	0.828	
Bromobenzene	ND	0.83	0.17	0.828	
Bromochloromethane	ND	1.7	0.57	0.828	
Bromodichloromethane	ND	0.83	0.19	0.828	
Bromoform	ND	4.1	0.66	0.828	
Bromomethane	ND	17	7.8	0.828	
2-Butanone	6.1	17	3.1	0.828	J
n-Butylbenzene	ND	0.83	0.13	0.828	
sec-Butylbenzene	ND	0.83	0.48	0.828	
tert-Butylbenzene	ND	0.83	0.12	0.828	
Carbon Disulfide	1.0	8.3	0.25	0.828	J
Carbon Tetrachloride	ND	0.83	0.23	0.828	
Chlorobenzene	ND	0.83	0.19	0.828	
Chloroethane	ND	1.7	1.2	0.828	
Chloroform	ND	0.83	0.20	0.828	
Chloromethane	0.35	17	0.25	0.828	J
2-Chlorotoluene	ND	0.83	0.19	0.828	
4-Chlorotoluene	ND	0.83	0.18	0.828	
Dibromochloromethane	ND	1.7	0.47	0.828	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.828	
1,2-Dibromoethane	ND	0.83	0.21	0.828	
Dibromomethane	ND	0.83	0.64	0.828	
1,2-Dichlorobenzene	ND	0.83	0.19	0.828	
1,3-Dichlorobenzene	ND	0.83	0.15	0.828	
1,4-Dichlorobenzene	ND	0.83	0.18	0.828	
Dichlorodifluoromethane	ND	1.7	0.37	0.828	
1,1-Dichloroethane	0.29	0.83	0.18	0.828	J
1,2-Dichloroethane	ND	0.83	0.26	0.828	
1,1-Dichloroethene	0.29	0.83	0.29	0.828	J
c-1,2-Dichloroethene	36	0.83	0.23	0.828	
t-1,2-Dichloroethene	6.0	0.83	0.42	0.828	
1,2-Dichloropropane	ND	0.83	0.36	0.828	
1,3-Dichloropropane	ND	0.83	0.21	0.828	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.828	
1,1-Dichloropropene	ND	1.7	0.27	0.828	
c-1,3-Dichloropropene	ND	0.83	0.21	0.828	
t-1,3-Dichloropropene	ND	1.7	0.50	0.828	
Ethylbenzene	ND	0.83	0.13	0.828	
2-Hexanone	ND	17	1.5	0.828	
Isopropylbenzene	ND	0.83	0.45	0.828	
p-Isopropyltoluene	ND	0.83	0.52	0.828	
Methylene Chloride	ND	8.3	1.1	0.828	
4-Methyl-2-Pentanone	ND	17	3.6	0.828	
Naphthalene	ND	8.3	0.67	0.828	
n-Propylbenzene	ND	1.7	0.42	0.828	
Styrene	ND	0.83	0.50	0.828	
1,1,1,2-Tetrachloroethane	ND	0.83	0.20	0.828	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.828	
Tetrachloroethene	0.68	0.83	0.17	0.828	J
Toluene	0.81	0.83	0.43	0.828	J
1,2,3-Trichlorobenzene	ND	1.7	0.76	0.828	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.828	
1,1,1-Trichloroethane	ND	0.83	0.19	0.828	
1,1,2-Trichloroethane	ND	0.83	0.29	0.828	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.29	0.828	
Trichloroethene	14	1.7	0.25	0.828	
Trichlorofluoromethane	ND	8.3	0.31	0.828	
1,2,3-Trichloropropane	ND	1.7	0.69	0.828	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.828	
1,3,5-Trimethylbenzene	ND	1.7	0.45	0.828	
Vinyl Acetate	ND	8.3	3.9	0.828	
Vinyl Chloride	ND	0.83	0.42	0.828	
p/m-Xylene	ND	1.7	0.22	0.828	
o-Xylene	ND	0.83	0.46	0.828	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.24	0.828	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	91	79-133	
1,2-Dichloroethane-d4	94	71-155	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 81 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-2.5	**13-07-1227-41-C**	**07/18/13 13:20**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 18:16**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	39	47	5.9	0.947	J
Benzene	1.7	0.95	0.12	0.947	
Bromobenzene	ND	0.95	0.20	0.947	
Bromochloromethane	ND	1.9	0.65	0.947	
Bromodichloromethane	ND	0.95	0.22	0.947	
Bromoform	ND	4.7	0.75	0.947	
Bromomethane	ND	19	8.9	0.947	
2-Butanone	6.6	19	3.6	0.947	J
n-Butylbenzene	ND	0.95	0.15	0.947	
sec-Butylbenzene	ND	0.95	0.55	0.947	
tert-Butylbenzene	ND	0.95	0.14	0.947	
Carbon Disulfide	0.74	9.5	0.29	0.947	J
Carbon Tetrachloride	ND	0.95	0.27	0.947	
Chlorobenzene	ND	0.95	0.21	0.947	
Chloroethane	ND	1.9	1.4	0.947	
Chloroform	ND	0.95	0.23	0.947	
Chloromethane	ND	19	0.29	0.947	
2-Chlorotoluene	ND	0.95	0.22	0.947	
4-Chlorotoluene	ND	0.95	0.20	0.947	
Dibromochloromethane	ND	1.9	0.54	0.947	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.947	
1,2-Dibromoethane	ND	0.95	0.24	0.947	
Dibromomethane	ND	0.95	0.73	0.947	
1,2-Dichlorobenzene	1.6	0.95	0.22	0.947	
1,3-Dichlorobenzene	ND	0.95	0.17	0.947	
1,4-Dichlorobenzene	ND	0.95	0.21	0.947	
Dichlorodifluoromethane	ND	1.9	0.42	0.947	
1,1-Dichloroethane	0.83	0.95	0.20	0.947	J
1,2-Dichloroethane	ND	0.95	0.30	0.947	
1,1-Dichloroethene	0.86	0.95	0.33	0.947	J
c-1,2-Dichloroethene	130	0.95	0.26	0.947	
t-1,2-Dichloroethene	30	0.95	0.48	0.947	
1,2-Dichloropropane	ND	0.95	0.41	0.947	
1,3-Dichloropropane	ND	0.95	0.24	0.947	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.947	
1,1-Dichloropropene	ND	1.9	0.31	0.947	
c-1,3-Dichloropropene	ND	0.95	0.24	0.947	
t-1,3-Dichloropropene	ND	1.9	0.57	0.947	
Ethylbenzene	ND	0.95	0.14	0.947	
2-Hexanone	ND	19	1.7	0.947	
Isopropylbenzene	ND	0.95	0.52	0.947	
p-Isopropyltoluene	ND	0.95	0.60	0.947	
Methylene Chloride	ND	9.5	1.3	0.947	
4-Methyl-2-Pentanone	ND	19	4.1	0.947	
Naphthalene	ND	9.5	0.77	0.947	
n-Propylbenzene	ND	1.9	0.48	0.947	
Styrene	ND	0.95	0.57	0.947	
1,1,1,2-Tetrachloroethane	ND	0.95	0.23	0.947	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	0.947	
Tetrachloroethene	0.64	0.95	0.20	0.947	J
Toluene	0.62	0.95	0.49	0.947	J
1,2,3-Trichlorobenzene	ND	1.9	0.86	0.947	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.947	
1,1,1-Trichloroethane	ND	0.95	0.21	0.947	
1,1,2-Trichloroethane	ND	0.95	0.34	0.947	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	0.33	0.947	
Trichloroethene	25	1.9	0.28	0.947	
Trichlorofluoromethane	ND	9.5	0.36	0.947	
1,2,3-Trichloropropane	ND	1.9	0.79	0.947	
1,2,4-Trimethylbenzene	ND	1.9	0.56	0.947	
1,3,5-Trimethylbenzene	ND	1.9	0.52	0.947	
Vinyl Acetate	ND	9.5	4.5	0.947	
Vinyl Chloride	ND	0.95	0.48	0.947	
p/m-Xylene	ND	1.9	0.25	0.947	
o-Xylene	ND	0.95	0.53	0.947	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.947	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	113	79-133	
1,2-Dichloroethane-d4	124	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-5	**13-07-1227-42-C**	**07/18/13 13:25**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 16:04**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	18	42	5.2	0.832	J
Benzene	0.23	0.83	0.11	0.832	J
Bromobenzene	ND	0.83	0.17	0.832	
Bromochloromethane	ND	1.7	0.57	0.832	
Bromodichloromethane	ND	0.83	0.19	0.832	
Bromoform	ND	4.2	0.66	0.832	
Bromomethane	ND	17	7.8	0.832	
2-Butanone	ND	17	3.1	0.832	
n-Butylbenzene	ND	0.83	0.13	0.832	
sec-Butylbenzene	ND	0.83	0.48	0.832	
tert-Butylbenzene	ND	0.83	0.13	0.832	
Carbon Disulfide	ND	8.3	0.25	0.832	
Carbon Tetrachloride	ND	0.83	0.24	0.832	
Chlorobenzene	ND	0.83	0.19	0.832	
Chloroethane	ND	1.7	1.2	0.832	
Chloroform	ND	0.83	0.20	0.832	
Chloromethane	0.28	17	0.25	0.832	J
2-Chlorotoluene	ND	0.83	0.19	0.832	
4-Chlorotoluene	ND	0.83	0.18	0.832	
Dibromochloromethane	ND	1.7	0.47	0.832	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.4	0.832	
1,2-Dibromoethane	ND	0.83	0.21	0.832	
Dibromomethane	ND	0.83	0.64	0.832	
1,2-Dichlorobenzene	2.9	0.83	0.19	0.832	
1,3-Dichlorobenzene	ND	0.83	0.15	0.832	
1,4-Dichlorobenzene	ND	0.83	0.18	0.832	
Dichlorodifluoromethane	ND	1.7	0.37	0.832	
1,1-Dichloroethane	0.41	0.83	0.18	0.832	J
1,2-Dichloroethane	ND	0.83	0.26	0.832	
1,1-Dichloroethene	ND	0.83	0.29	0.832	
c-1,2-Dichloroethene	45	0.83	0.23	0.832	
t-1,2-Dichloroethene	5.3	0.83	0.42	0.832	
1,2-Dichloropropane	ND	0.83	0.36	0.832	
1,3-Dichloropropane	ND	0.83	0.21	0.832	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.832	
1,1-Dichloropropene	ND	1.7	0.27	0.832	
c-1,3-Dichloropropene	ND	0.83	0.21	0.832	
t-1,3-Dichloropropene	ND	1.7	0.50	0.832	
Ethylbenzene	ND	0.83	0.13	0.832	
2-Hexanone	ND	17	1.5	0.832	
Isopropylbenzene	ND	0.83	0.45	0.832	
p-Isopropyltoluene	ND	0.83	0.52	0.832	
Methylene Chloride	ND	8.3	1.1	0.832	
4-Methyl-2-Pentanone	ND	17	3.6	0.832	
Naphthalene	ND	8.3	0.68	0.832	
n-Propylbenzene	ND	1.7	0.42	0.832	
Styrene	ND	0.83	0.50	0.832	
1,1,1,2-Tetrachloroethane	ND	0.83	0.20	0.832	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.832	
Tetrachloroethene	0.30	0.83	0.17	0.832	J
Toluene	ND	0.83	0.43	0.832	
1,2,3-Trichlorobenzene	ND	1.7	0.76	0.832	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.832	
1,1,1-Trichloroethane	ND	0.83	0.19	0.832	
1,1,2-Trichloroethane	ND	0.83	0.29	0.832	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.29	0.832	
Trichloroethene	5.7	1.7	0.25	0.832	
Trichlorofluoromethane	ND	8.3	0.31	0.832	
1,2,3-Trichloropropane	ND	1.7	0.69	0.832	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.832	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.832	
Vinyl Acetate	ND	8.3	3.9	0.832	
Vinyl Chloride	ND	0.83	0.42	0.832	
p/m-Xylene	ND	1.7	0.22	0.832	
o-Xylene	ND	0.83	0.46	0.832	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.832	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	114	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B82-10	**13-07-1227-43-C**	**07/18/13 13:30**	**Soil**	**GC/MS PP**	**07/18/13**	**07/30/13 22:12**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	41	5.1	0.821	
Benzene	0.21	0.82	0.11	0.821	B,J
Bromobenzene	ND	0.82	0.17	0.821	
Bromochloromethane	ND	1.6	0.57	0.821	
Bromodichloromethane	ND	0.82	0.19	0.821	
Bromoform	ND	4.1	0.65	0.821	
Bromomethane	ND	16	7.7	0.821	
2-Butanone	ND	16	3.1	0.821	
n-Butylbenzene	ND	0.82	0.13	0.821	
sec-Butylbenzene	ND	0.82	0.47	0.821	
tert-Butylbenzene	ND	0.82	0.12	0.821	
Carbon Disulfide	ND	8.2	0.25	0.821	
Carbon Tetrachloride	ND	0.82	0.23	0.821	
Chlorobenzene	ND	0.82	0.18	0.821	
Chloroethane	ND	1.6	1.2	0.821	
Chloroform	ND	0.82	0.20	0.821	
Chloromethane	ND	16	0.25	0.821	
2-Chlorotoluene	ND	0.82	0.19	0.821	
4-Chlorotoluene	ND	0.82	0.17	0.821	
Dibromochloromethane	ND	1.6	0.47	0.821	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.821	
1,2-Dibromoethane	ND	0.82	0.21	0.821	
Dibromomethane	ND	0.82	0.64	0.821	
1,2-Dichlorobenzene	6.9	0.82	0.19	0.821	
1,3-Dichlorobenzene	ND	0.82	0.14	0.821	
1,4-Dichlorobenzene	0.27	0.82	0.18	0.821	J
Dichlorodifluoromethane	ND	1.6	0.36	0.821	
1,1-Dichloroethane	0.31	0.82	0.17	0.821	J
1,2-Dichloroethane	ND	0.82	0.26	0.821	
1,1-Dichloroethene	ND	0.82	0.28	0.821	
c-1,2-Dichloroethene	33	0.82	0.23	0.821	
t-1,2-Dichloroethene	2.7	0.82	0.42	0.821	
1,2-Dichloropropane	ND	0.82	0.36	0.821	
1,3-Dichloropropane	ND	0.82	0.21	0.821	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.821	
1,1-Dichloropropene	ND	1.6	0.27	0.821	
c-1,3-Dichloropropene	ND	0.82	0.21	0.821	
t-1,3-Dichloropropene	ND	1.6	0.50	0.821	
Ethylbenzene	ND	0.82	0.12	0.821	
2-Hexanone	ND	16	1.4	0.821	
Isopropylbenzene	ND	0.82	0.45	0.821	
p-Isopropyltoluene	ND	0.82	0.52	0.821	
Methylene Chloride	ND	8.2	1.1	0.821	
4-Methyl-2-Pentanone	ND	16	3.5	0.821	
Naphthalene	ND	8.2	0.67	0.821	
n-Propylbenzene	ND	1.6	0.41	0.821	
Styrene	ND	0.82	0.50	0.821	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	0.821	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.821	
Tetrachloroethene	0.70	0.82	0.17	0.821	J
Toluene	ND	0.82	0.42	0.821	
1,2,3-Trichlorobenzene	ND	1.6	0.75	0.821	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.821	
1,1,1-Trichloroethane	ND	0.82	0.18	0.821	
1,1,2-Trichloroethane	ND	0.82	0.29	0.821	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	0.821	
Trichloroethene	6.8	1.6	0.25	0.821	
Trichlorofluoromethane	ND	8.2	0.31	0.821	
1,2,3-Trichloropropane	ND	1.6	0.68	0.821	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.821	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.821	
Vinyl Acetate	ND	8.2	3.9	0.821	
Vinyl Chloride	ND	0.82	0.41	0.821	
p/m-Xylene	ND	1.6	0.22	0.821	
o-Xylene	ND	0.82	0.46	0.821	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.821	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 87 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-1	**13-07-1227-44-C**	**07/18/13 13:45**	**Soil**	**GC/MS PP**	**07/18/13**	**07/30/13 22:38**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	86	45	5.7	0.907	
Benzene	0.97	0.91	0.12	0.907	B
Bromobenzene	ND	0.91	0.19	0.907	
Bromochloromethane	ND	1.8	0.63	0.907	
Bromodichloromethane	ND	0.91	0.21	0.907	
Bromoform	ND	4.5	0.72	0.907	
Bromomethane	ND	18	8.5	0.907	
2-Butanone	20	18	3.4	0.907	
n-Butylbenzene	ND	0.91	0.14	0.907	
sec-Butylbenzene	ND	0.91	0.52	0.907	
tert-Butylbenzene	ND	0.91	0.14	0.907	
Carbon Disulfide	6.8	9.1	0.28	0.907	J
Carbon Tetrachloride	ND	0.91	0.26	0.907	
Chlorobenzene	ND	0.91	0.20	0.907	
Chloroethane	ND	1.8	1.4	0.907	
Chloroform	ND	0.91	0.22	0.907	
Chloromethane	ND	18	0.28	0.907	
2-Chlorotoluene	ND	0.91	0.21	0.907	
4-Chlorotoluene	ND	0.91	0.19	0.907	
Dibromochloromethane	ND	1.8	0.52	0.907	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.907	
1,2-Dibromoethane	ND	0.91	0.23	0.907	
Dibromomethane	ND	0.91	0.70	0.907	
1,2-Dichlorobenzene	ND	0.91	0.21	0.907	
1,3-Dichlorobenzene	ND	0.91	0.16	0.907	
1,4-Dichlorobenzene	ND	0.91	0.20	0.907	
Dichlorodifluoromethane	ND	1.8	0.40	0.907	
1,1-Dichloroethane	ND	0.91	0.19	0.907	
1,2-Dichloroethane	ND	0.91	0.28	0.907	
1,1-Dichloroethene	ND	0.91	0.31	0.907	
c-1,2-Dichloroethene	ND	0.91	0.25	0.907	
t-1,2-Dichloroethene	ND	0.91	0.46	0.907	
1,2-Dichloropropane	ND	0.91	0.40	0.907	
1,3-Dichloropropane	ND	0.91	0.23	0.907	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	0.907	
1,1-Dichloropropene	ND	1.8	0.30	0.907	
c-1,3-Dichloropropene	ND	0.91	0.23	0.907	
t-1,3-Dichloropropene	ND	1.8	0.55	0.907	
Ethylbenzene	0.85	0.91	0.14	0.907	J
2-Hexanone	ND	18	1.6	0.907	
Isopropylbenzene	ND	0.91	0.50	0.907	
p-Isopropyltoluene	ND	0.91	0.57	0.907	
Methylene Chloride	ND	9.1	1.2	0.907	
4-Methyl-2-Pentanone	ND	18	3.9	0.907	
Naphthalene	2.0	9.1	0.74	0.907	J
n-Propylbenzene	ND	1.8	0.46	0.907	
Styrene	ND	0.91	0.55	0.907	
1,1,1,2-Tetrachloroethane	ND	0.91	0.22	0.907	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.907	
Tetrachloroethene	230	0.91	0.19	0.907	E
Toluene	7.9	0.91	0.47	0.907	
1,2,3-Trichlorobenzene	ND	1.8	0.83	0.907	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.907	
1,1,1-Trichloroethane	ND	0.91	0.20	0.907	
1,1,2-Trichloroethane	ND	0.91	0.32	0.907	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.32	0.907	
Trichloroethene	1.1	1.8	0.27	0.907	J
Trichlorofluoromethane	ND	9.1	0.34	0.907	
1,2,3-Trichloropropane	ND	1.8	0.75	0.907	
1,2,4-Trimethylbenzene	2.1	1.8	0.53	0.907	
1,3,5-Trimethylbenzene	0.60	1.8	0.50	0.907	J
Vinyl Acetate	ND	9.1	4.3	0.907	
Vinyl Chloride	ND	0.91	0.46	0.907	
p/m-Xylene	3.7	1.8	0.24	0.907	
o-Xylene	1.5	0.91	0.50	0.907	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.907	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	92	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-1	**13-07-1227-44-E**	**07/18/13 13:45**	**Soil**	**GC/MS PP**	**07/18/13**	**07/31/13 18:04**	**130731L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	550	95	20	94.7	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-2.5	**13-07-1227-45-C**	**07/18/13 13:50**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 16:31**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	27	48	6.0	0.954	J
Benzene	6.4	0.95	0.12	0.954	
Bromobenzene	ND	0.95	0.20	0.954	
Bromochloromethane	ND	1.9	0.66	0.954	
Bromodichloromethane	ND	0.95	0.22	0.954	
Bromoform	ND	4.8	0.76	0.954	
Bromomethane	ND	19	9.0	0.954	
2-Butanone	ND	19	3.6	0.954	
n-Butylbenzene	ND	0.95	0.15	0.954	
sec-Butylbenzene	ND	0.95	0.55	0.954	
tert-Butylbenzene	ND	0.95	0.14	0.954	
Carbon Disulfide	0.71	9.5	0.29	0.954	J
Carbon Tetrachloride	ND	0.95	0.27	0.954	
Chlorobenzene	ND	0.95	0.21	0.954	
Chloroethane	ND	1.9	1.4	0.954	
Chloroform	ND	0.95	0.23	0.954	
Chloromethane	ND	19	0.29	0.954	
2-Chlorotoluene	ND	0.95	0.22	0.954	
4-Chlorotoluene	ND	0.95	0.20	0.954	
Dibromochloromethane	ND	1.9	0.54	0.954	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.7	0.954	
1,2-Dibromoethane	ND	0.95	0.24	0.954	
Dibromomethane	ND	0.95	0.74	0.954	
1,2-Dichlorobenzene	ND	0.95	0.22	0.954	
1,3-Dichlorobenzene	ND	0.95	0.17	0.954	
1,4-Dichlorobenzene	ND	0.95	0.21	0.954	
Dichlorodifluoromethane	ND	1.9	0.42	0.954	
1,1-Dichloroethane	ND	0.95	0.20	0.954	
1,2-Dichloroethane	ND	0.95	0.30	0.954	
1,1-Dichloroethene	ND	0.95	0.33	0.954	
c-1,2-Dichloroethene	ND	0.95	0.27	0.954	
t-1,2-Dichloroethene	ND	0.95	0.48	0.954	
1,2-Dichloropropane	ND	0.95	0.42	0.954	
1,3-Dichloropropane	ND	0.95	0.24	0.954	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.8	0.32	0.954	
1,1-Dichloropropene	ND	1.9	0.31	0.954	
c-1,3-Dichloropropene	ND	0.95	0.24	0.954	
t-1,3-Dichloropropene	ND	1.9	0.58	0.954	
Ethylbenzene	0.26	0.95	0.14	0.954	J
2-Hexanone	ND	19	1.7	0.954	
Isopropylbenzene	ND	0.95	0.52	0.954	
p-Isopropyltoluene	ND	0.95	0.60	0.954	
Methylene Chloride	ND	9.5	1.3	0.954	
4-Methyl-2-Pentanone	ND	19	4.1	0.954	
Naphthalene	ND	9.5	0.78	0.954	
n-Propylbenzene	ND	1.9	0.48	0.954	
Styrene	ND	0.95	0.58	0.954	
1,1,1,2-Tetrachloroethane	0.41	0.95	0.23	0.954	J
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	0.954	
Tetrachloroethene	770	0.95	0.20	0.954	E
Toluene	2.6	0.95	0.49	0.954	
1,2,3-Trichlorobenzene	ND	1.9	0.87	0.954	
1,2,4-Trichlorobenzene	ND	1.9	0.30	0.954	
1,1,1-Trichloroethane	ND	0.95	0.21	0.954	
1,1,2-Trichloroethane	ND	0.95	0.34	0.954	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	0.34	0.954	
Trichloroethene	5.8	1.9	0.29	0.954	
Trichlorofluoromethane	ND	9.5	0.36	0.954	
1,2,3-Trichloropropane	ND	1.9	0.79	0.954	
1,2,4-Trimethylbenzene	ND	1.9	0.56	0.954	
1,3,5-Trimethylbenzene	ND	1.9	0.52	0.954	
Vinyl Acetate	ND	9.5	4.5	0.954	
Vinyl Chloride	ND	0.95	0.48	0.954	
p/m-Xylene	0.29	1.9	0.26	0.954	J
o-Xylene	ND	0.95	0.53	0.954	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.954	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	114	79-133	
1,2-Dichloroethane-d4	126	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252 Page 92 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-2.5	**13-07-1227-45-E**	**07/18/13 13:50**	**Soil**	**GC/MS PP**	**07/18/13**	**07/23/13 18:20**	**130723L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	3400	100	21	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 93 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-5	**13-07-1227-46-C**	**07/18/13 13:55**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 16:57**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.7	40	5.0	0.8	J
Benzene	0.12	0.80	0.10	0.8	J
Bromobenzene	ND	0.80	0.17	0.8	
Bromochloromethane	ND	1.6	0.55	0.8	
Bromodichloromethane	ND	0.80	0.19	0.8	
Bromoform	ND	4.0	0.64	0.8	
Bromomethane	ND	16	7.5	0.8	
2-Butanone	ND	16	3.0	0.8	
n-Butylbenzene	ND	0.80	0.13	0.8	
sec-Butylbenzene	ND	0.80	0.46	0.8	
tert-Butylbenzene	ND	0.80	0.12	0.8	
Carbon Disulfide	ND	8.0	0.24	0.8	
Carbon Tetrachloride	ND	0.80	0.23	0.8	
Chlorobenzene	ND	0.80	0.18	0.8	
Chloroethane	ND	1.6	1.2	0.8	
Chloroform	ND	0.80	0.19	0.8	
Chloromethane	ND	16	0.24	0.8	
2-Chlorotoluene	ND	0.80	0.19	0.8	
4-Chlorotoluene	ND	0.80	0.17	0.8	
Dibromochloromethane	ND	1.6	0.46	0.8	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.8	
1,2-Dibromoethane	ND	0.80	0.20	0.8	
Dibromomethane	ND	0.80	0.62	0.8	
1,2-Dichlorobenzene	ND	0.80	0.18	0.8	
1,3-Dichlorobenzene	ND	0.80	0.14	0.8	
1,4-Dichlorobenzene	ND	0.80	0.18	0.8	
Dichlorodifluoromethane	ND	1.6	0.35	0.8	
1,1-Dichloroethane	ND	0.80	0.17	0.8	
1,2-Dichloroethane	ND	0.80	0.25	0.8	
1,1-Dichloroethene	ND	0.80	0.28	0.8	
c-1,2-Dichloroethene	ND	0.80	0.22	0.8	
t-1,2-Dichloroethene	ND	0.80	0.40	0.8	
1,2-Dichloropropane	ND	0.80	0.35	0.8	
1,3-Dichloropropane	ND	0.80	0.20	0.8	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	0.8	
1,1-Dichloropropene	ND	1.6	0.26	0.8	
c-1,3-Dichloropropene	ND	0.80	0.20	0.8	
t-1,3-Dichloropropene	ND	1.6	0.48	0.8	
Ethylbenzene	ND	0.80	0.12	0.8	
2-Hexanone	ND	16	1.4	0.8	
Isopropylbenzene	ND	0.80	0.44	0.8	
p-Isopropyltoluene	ND	0.80	0.50	0.8	
Methylene Chloride	ND	8.0	1.1	0.8	
4-Methyl-2-Pentanone	ND	16	3.5	0.8	
Naphthalene	ND	8.0	0.65	0.8	
n-Propylbenzene	ND	1.6	0.40	0.8	
Styrene	ND	0.80	0.48	0.8	
1,1,1,2-Tetrachloroethane	ND	0.80	0.19	0.8	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.8	
Tetrachloroethene	210	0.80	0.17	0.8	E
Toluene	ND	0.80	0.41	0.8	
1,2,3-Trichlorobenzene	ND	1.6	0.73	0.8	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.8	
1,1,1-Trichloroethane	ND	0.80	0.18	0.8	
1,1,2-Trichloroethane	ND	0.80	0.28	0.8	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.0	0.28	0.8	
Trichloroethene	1.5	1.6	0.24	0.8	J
Trichlorofluoromethane	ND	8.0	0.30	0.8	
1,2,3-Trichloropropane	ND	1.6	0.66	0.8	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.8	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.8	
Vinyl Acetate	ND	8.0	3.8	0.8	
Vinyl Chloride	ND	0.80	0.40	0.8	
p/m-Xylene	ND	1.6	0.21	0.8	
o-Xylene	ND	0.80	0.45	0.8	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.8	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	117	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252 Page 95 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-5	**13-07-1227-46-E**	**07/18/13 13:55**	**Soil**	**GC/MS PP**	**07/18/13**	**07/23/13 18:46**	**130723L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	360	81	17	81.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 96 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B80-10	**13-07-1227-47-C**	**07/18/13 14:00**	**Soil**	**GC/MS PP**	**07/18/13**	**07/30/13 23:05**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	42	5.2	0.833	
Benzene	0.19	0.83	0.11	0.833	B,J
Bromobenzene	ND	0.83	0.17	0.833	
Bromochloromethane	ND	1.7	0.58	0.833	
Bromodichloromethane	ND	0.83	0.19	0.833	
Bromoform	ND	4.2	0.66	0.833	
Bromomethane	ND	17	7.9	0.833	
2-Butanone	ND	17	3.1	0.833	
n-Butylbenzene	ND	0.83	0.13	0.833	
sec-Butylbenzene	ND	0.83	0.48	0.833	
tert-Butylbenzene	ND	0.83	0.13	0.833	
Carbon Disulfide	ND	8.3	0.25	0.833	
Carbon Tetrachloride	ND	0.83	0.24	0.833	
Chlorobenzene	ND	0.83	0.19	0.833	
Chloroethane	ND	1.7	1.2	0.833	
Chloroform	ND	0.83	0.20	0.833	
Chloromethane	ND	17	0.25	0.833	
2-Chlorotoluene	ND	0.83	0.19	0.833	
4-Chlorotoluene	ND	0.83	0.18	0.833	
Dibromochloromethane	ND	1.7	0.47	0.833	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.4	0.833	
1,2-Dibromoethane	ND	0.83	0.21	0.833	
Dibromomethane	ND	0.83	0.65	0.833	
1,2-Dichlorobenzene	ND	0.83	0.19	0.833	
1,3-Dichlorobenzene	ND	0.83	0.15	0.833	
1,4-Dichlorobenzene	ND	0.83	0.18	0.833	
Dichlorodifluoromethane	ND	1.7	0.37	0.833	
1,1-Dichloroethane	ND	0.83	0.18	0.833	
1,2-Dichloroethane	ND	0.83	0.26	0.833	
1,1-Dichloroethene	ND	0.83	0.29	0.833	
c-1,2-Dichloroethene	ND	0.83	0.23	0.833	
t-1,2-Dichloroethene	ND	0.83	0.42	0.833	
1,2-Dichloropropane	ND	0.83	0.36	0.833	
1,3-Dichloropropane	ND	0.83	0.21	0.833	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.833	
1,1-Dichloropropene	ND	1.7	0.27	0.833	
c-1,3-Dichloropropene	ND	0.83	0.21	0.833	
t-1,3-Dichloropropene	ND	1.7	0.50	0.833	
Ethylbenzene	ND	0.83	0.13	0.833	
2-Hexanone	ND	17	1.5	0.833	
Isopropylbenzene	ND	0.83	0.46	0.833	
p-Isopropyltoluene	ND	0.83	0.52	0.833	
Methylene Chloride	ND	8.3	1.1	0.833	
4-Methyl-2-Pentanone	ND	17	3.6	0.833	
Naphthalene	ND	8.3	0.68	0.833	
n-Propylbenzene	ND	1.7	0.42	0.833	
Styrene	ND	0.83	0.50	0.833	
1,1,1,2-Tetrachloroethane	ND	0.83	0.20	0.833	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.833	
Tetrachloroethene	110	0.83	0.17	0.833	
Toluene	ND	0.83	0.43	0.833	
1,2,3-Trichlorobenzene	ND	1.7	0.76	0.833	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.833	
1,1,1-Trichloroethane	ND	0.83	0.19	0.833	
1,1,2-Trichloroethane	ND	0.83	0.29	0.833	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.29	0.833	
Trichloroethene	0.91	1.7	0.25	0.833	J
Trichlorofluoromethane	ND	8.3	0.31	0.833	
1,2,3-Trichloropropane	ND	1.7	0.69	0.833	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.833	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.833	
Vinyl Acetate	ND	8.3	4.0	0.833	
Vinyl Chloride	ND	0.83	0.42	0.833	
p/m-Xylene	ND	1.7	0.22	0.833	
o-Xylene	ND	0.83	0.46	0.833	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.833	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-1	**13-07-1227-48-C**	**07/18/13 14:15**	**Soil**	**GC/MS PP**	**07/18/13**	**07/30/13 23:31**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	32	44	5.5	0.887	J
Benzene	0.52	0.89	0.12	0.887	B,J
Bromobenzene	ND	0.89	0.19	0.887	
Bromochloromethane	ND	1.8	0.61	0.887	
Bromodichloromethane	ND	0.89	0.21	0.887	
Bromoform	ND	4.4	0.70	0.887	
Bromomethane	ND	18	8.4	0.887	
2-Butanone	5.2	18	3.3	0.887	J
n-Butylbenzene	ND	0.89	0.14	0.887	
sec-Butylbenzene	ND	0.89	0.51	0.887	
tert-Butylbenzene	ND	0.89	0.13	0.887	
Carbon Disulfide	1.5	8.9	0.27	0.887	J
Carbon Tetrachloride	ND	0.89	0.25	0.887	
Chlorobenzene	ND	0.89	0.20	0.887	
Chloroethane	ND	1.8	1.3	0.887	
Chloroform	ND	0.89	0.21	0.887	
Chloromethane	ND	18	0.27	0.887	
2-Chlorotoluene	ND	0.89	0.21	0.887	
4-Chlorotoluene	ND	0.89	0.19	0.887	
Dibromochloromethane	ND	1.8	0.51	0.887	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.887	
1,2-Dibromoethane	ND	0.89	0.23	0.887	
Dibromomethane	ND	0.89	0.69	0.887	
1,2-Dichlorobenzene	ND	0.89	0.20	0.887	
1,3-Dichlorobenzene	ND	0.89	0.16	0.887	
1,4-Dichlorobenzene	ND	0.89	0.20	0.887	
Dichlorodifluoromethane	ND	1.8	0.39	0.887	
1,1-Dichloroethane	ND	0.89	0.19	0.887	
1,2-Dichloroethane	ND	0.89	0.28	0.887	
1,1-Dichloroethene	ND	0.89	0.31	0.887	
c-1,2-Dichloroethene	38	0.89	0.25	0.887	
t-1,2-Dichloroethene	2.1	0.89	0.45	0.887	
1,2-Dichloropropane	ND	0.89	0.39	0.887	
1,3-Dichloropropane	ND	0.89	0.22	0.887	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.887	
1,1-Dichloropropene	ND	1.8	0.29	0.887	
c-1,3-Dichloropropene	ND	0.89	0.23	0.887	
t-1,3-Dichloropropene	ND	1.8	0.54	0.887	
Ethylbenzene	ND	0.89	0.13	0.887	
2-Hexanone	ND	18	1.6	0.887	
Isopropylbenzene	ND	0.89	0.48	0.887	
p-Isopropyltoluene	ND	0.89	0.56	0.887	
Methylene Chloride	ND	8.9	1.2	0.887	
4-Methyl-2-Pentanone	ND	18	3.8	0.887	
Naphthalene	ND	8.9	0.72	0.887	
n-Propylbenzene	ND	1.8	0.45	0.887	
Styrene	ND	0.89	0.54	0.887	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	0.887	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.887	
Tetrachloroethene	20	0.89	0.19	0.887	
Toluene	ND	0.89	0.46	0.887	
1,2,3-Trichlorobenzene	ND	1.8	0.81	0.887	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.887	
1,1,1-Trichloroethane	ND	0.89	0.20	0.887	
1,1,2-Trichloroethane	ND	0.89	0.31	0.887	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	0.887	
Trichloroethene	22	1.8	0.27	0.887	
Trichlorofluoromethane	ND	8.9	0.33	0.887	
1,2,3-Trichloropropane	ND	1.8	0.74	0.887	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.887	
1,3,5-Trimethylbenzene	ND	1.8	0.49	0.887	
Vinyl Acetate	ND	8.9	4.2	0.887	
Vinyl Chloride	ND	0.89	0.45	0.887	
p/m-Xylene	ND	1.8	0.24	0.887	
o-Xylene	ND	0.89	0.49	0.887	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.887	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-2.5	**13-07-1227-49-C**	**07/18/13 14:20**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 18:42**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	38	49	6.2	0.988	J
Benzene	1.2	0.99	0.13	0.988	
Bromobenzene	ND	0.99	0.21	0.988	
Bromochloromethane	ND	2.0	0.68	0.988	
Bromodichloromethane	ND	0.99	0.23	0.988	
Bromoform	ND	4.9	0.78	0.988	
Bromomethane	ND	20	9.3	0.988	
2-Butanone	6.6	20	3.7	0.988	J
n-Butylbenzene	ND	0.99	0.15	0.988	
sec-Butylbenzene	ND	0.99	0.57	0.988	
tert-Butylbenzene	ND	0.99	0.15	0.988	
Carbon Disulfide	1.9	9.9	0.30	0.988	J
Carbon Tetrachloride	ND	0.99	0.28	0.988	
Chlorobenzene	0.27	0.99	0.22	0.988	J
Chloroethane	ND	2.0	1.5	0.988	
Chloroform	ND	0.99	0.24	0.988	
Chloromethane	0.63	20	0.30	0.988	J
2-Chlorotoluene	ND	0.99	0.23	0.988	
4-Chlorotoluene	ND	0.99	0.21	0.988	
Dibromochloromethane	ND	2.0	0.56	0.988	
1,2-Dibromo-3-Chloropropane	ND	4.9	1.7	0.988	
1,2-Dibromoethane	ND	0.99	0.25	0.988	
Dibromomethane	ND	0.99	0.77	0.988	
1,2-Dichlorobenzene	ND	0.99	0.23	0.988	
1,3-Dichlorobenzene	ND	0.99	0.17	0.988	
1,4-Dichlorobenzene	ND	0.99	0.22	0.988	
Dichlorodifluoromethane	ND	2.0	0.44	0.988	
1,1-Dichloroethane	ND	0.99	0.21	0.988	
1,2-Dichloroethane	ND	0.99	0.31	0.988	
1,1-Dichloroethene	ND	0.99	0.34	0.988	
c-1,2-Dichloroethene	50	0.99	0.28	0.988	
t-1,2-Dichloroethene	1.8	0.99	0.50	0.988	
1,2-Dichloropropane	ND	0.99	0.43	0.988	
1,3-Dichloropropane	ND	0.99	0.25	0.988	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.33	0.988	
1,1-Dichloropropene	ND	2.0	0.32	0.988	
c-1,3-Dichloropropene	ND	0.99	0.25	0.988	
t-1,3-Dichloropropene	ND	2.0	0.60	0.988	
Ethylbenzene	ND	0.99	0.15	0.988	
2-Hexanone	ND	20	1.7	0.988	
Isopropylbenzene	ND	0.99	0.54	0.988	
p-Isopropyltoluene	ND	0.99	0.62	0.988	
Methylene Chloride	ND	9.9	1.3	0.988	
4-Methyl-2-Pentanone	ND	20	4.3	0.988	
Naphthalene	ND	9.9	0.80	0.988	
n-Propylbenzene	ND	2.0	0.50	0.988	
Styrene	ND	0.99	0.60	0.988	
1,1,1,2-Tetrachloroethane	ND	0.99	0.24	0.988	
1,1,2,2-Tetrachloroethane	ND	2.0	0.34	0.988	
Tetrachloroethene	46	0.99	0.21	0.988	
Toluene	0.56	0.99	0.51	0.988	J
1,2,3-Trichlorobenzene	ND	2.0	0.90	0.988	
1,2,4-Trichlorobenzene	ND	2.0	0.31	0.988	
1,1,1-Trichloroethane	ND	0.99	0.22	0.988	
1,1,2-Trichloroethane	ND	0.99	0.35	0.988	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.9	0.35	0.988	
Trichloroethene	46	2.0	0.30	0.988	
Trichlorofluoromethane	ND	9.9	0.37	0.988	
1,2,3-Trichloropropane	ND	2.0	0.82	0.988	
1,2,4-Trimethylbenzene	ND	2.0	0.58	0.988	
1,3,5-Trimethylbenzene	ND	2.0	0.54	0.988	
Vinyl Acetate	ND	9.9	4.7	0.988	
Vinyl Chloride	ND	0.99	0.50	0.988	
p/m-Xylene	ND	2.0	0.26	0.988	
o-Xylene	ND	0.99	0.55	0.988	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.29	0.988	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	116	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-5	**13-07-1227-50-C**	**07/18/13 14:25**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 17:23**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	10	47	5.9	0.938	J
Benzene	ND	0.94	0.12	0.938	
Bromobenzene	ND	0.94	0.20	0.938	
Bromochloromethane	ND	1.9	0.65	0.938	
Bromodichloromethane	ND	0.94	0.22	0.938	
Bromoform	ND	4.7	0.75	0.938	
Bromomethane	ND	19	8.8	0.938	
2-Butanone	ND	19	3.5	0.938	
n-Butylbenzene	ND	0.94	0.15	0.938	
sec-Butylbenzene	ND	0.94	0.54	0.938	
tert-Butylbenzene	ND	0.94	0.14	0.938	
Carbon Disulfide	ND	9.4	0.29	0.938	
Carbon Tetrachloride	ND	0.94	0.27	0.938	
Chlorobenzene	ND	0.94	0.21	0.938	
Chloroethane	ND	1.9	1.4	0.938	
Chloroform	ND	0.94	0.22	0.938	
Chloromethane	ND	19	0.29	0.938	
2-Chlorotoluene	ND	0.94	0.22	0.938	
4-Chlorotoluene	ND	0.94	0.20	0.938	
Dibromochloromethane	ND	1.9	0.53	0.938	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.938	
1,2-Dibromoethane	ND	0.94	0.24	0.938	
Dibromomethane	ND	0.94	0.73	0.938	
1,2-Dichlorobenzene	ND	0.94	0.21	0.938	
1,3-Dichlorobenzene	ND	0.94	0.17	0.938	
1,4-Dichlorobenzene	ND	0.94	0.21	0.938	
Dichlorodifluoromethane	ND	1.9	0.42	0.938	
1,1-Dichloroethane	ND	0.94	0.20	0.938	
1,2-Dichloroethane	ND	0.94	0.29	0.938	
1,1-Dichloroethene	ND	0.94	0.32	0.938	
c-1,2-Dichloroethene	10	0.94	0.26	0.938	
t-1,2-Dichloroethene	ND	0.94	0.47	0.938	
1,2-Dichloropropane	ND	0.94	0.41	0.938	
1,3-Dichloropropane	ND	0.94	0.24	0.938	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.938	
1,1-Dichloropropene	ND	1.9	0.31	0.938	
c-1,3-Dichloropropene	ND	0.94	0.24	0.938	
t-1,3-Dichloropropene	ND	1.9	0.57	0.938	
Ethylbenzene	ND	0.94	0.14	0.938	
2-Hexanone	ND	19	1.7	0.938	
Isopropylbenzene	ND	0.94	0.51	0.938	
p-Isopropyltoluene	ND	0.94	0.59	0.938	
Methylene Chloride	ND	9.4	1.3	0.938	
4-Methyl-2-Pentanone	ND	19	4.1	0.938	
Naphthalene	ND	9.4	0.76	0.938	
n-Propylbenzene	ND	1.9	0.47	0.938	
Styrene	ND	0.94	0.57	0.938	
1,1,1,2-Tetrachloroethane	ND	0.94	0.23	0.938	
1,1,2,2-Tetrachloroethane	ND	1.9	0.32	0.938	
Tetrachloroethene	6.1	0.94	0.20	0.938	
Toluene	ND	0.94	0.48	0.938	
1,2,3-Trichlorobenzene	ND	1.9	0.86	0.938	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.938	
1,1,1-Trichloroethane	ND	0.94	0.21	0.938	
1,1,2-Trichloroethane	ND	0.94	0.33	0.938	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.43	9.4	0.33	0.938	J
Trichloroethene	1.7	1.9	0.28	0.938	J
Trichlorofluoromethane	ND	9.4	0.35	0.938	
1,2,3-Trichloropropane	ND	1.9	0.78	0.938	
1,2,4-Trimethylbenzene	ND	1.9	0.55	0.938	
1,3,5-Trimethylbenzene	ND	1.9	0.51	0.938	
Vinyl Acetate	ND	9.4	4.5	0.938	
Vinyl Chloride	ND	0.94	0.47	0.938	
p/m-Xylene	ND	1.9	0.25	0.938	
o-Xylene	ND	0.94	0.52	0.938	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.938	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	112	79-133	
1,2-Dichloroethane-d4	121	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 104 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B88-10	**13-07-1227-51-C**	**07/18/13 14:30**	**Soil**	**GC/MS PP**	**07/18/13**	**07/30/13 23:57**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	10	48	6.0	0.969	J
Benzene	0.15	0.97	0.13	0.969	B,J
Bromobenzene	ND	0.97	0.20	0.969	
Bromochloromethane	ND	1.9	0.67	0.969	
Bromodichloromethane	ND	0.97	0.23	0.969	
Bromoform	ND	4.8	0.77	0.969	
Bromomethane	ND	19	9.1	0.969	
2-Butanone	ND	19	3.7	0.969	
n-Butylbenzene	ND	0.97	0.15	0.969	
sec-Butylbenzene	ND	0.97	0.56	0.969	
tert-Butylbenzene	ND	0.97	0.15	0.969	
Carbon Disulfide	ND	9.7	0.30	0.969	
Carbon Tetrachloride	ND	0.97	0.27	0.969	
Chlorobenzene	ND	0.97	0.22	0.969	
Chloroethane	ND	1.9	1.4	0.969	
Chloroform	ND	0.97	0.23	0.969	
Chloromethane	0.86	19	0.29	0.969	J
2-Chlorotoluene	ND	0.97	0.22	0.969	
4-Chlorotoluene	ND	0.97	0.21	0.969	
Dibromochloromethane	ND	1.9	0.55	0.969	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.7	0.969	
1,2-Dibromoethane	ND	0.97	0.25	0.969	
Dibromomethane	ND	0.97	0.75	0.969	
1,2-Dichlorobenzene	ND	0.97	0.22	0.969	
1,3-Dichlorobenzene	ND	0.97	0.17	0.969	
1,4-Dichlorobenzene	ND	0.97	0.22	0.969	
Dichlorodifluoromethane	ND	1.9	0.43	0.969	
1,1-Dichloroethane	ND	0.97	0.20	0.969	
1,2-Dichloroethane	ND	0.97	0.30	0.969	
1,1-Dichloroethene	ND	0.97	0.34	0.969	
c-1,2-Dichloroethene	4.3	0.97	0.27	0.969	
t-1,2-Dichloroethene	ND	0.97	0.49	0.969	
1,2-Dichloropropane	ND	0.97	0.42	0.969	
1,3-Dichloropropane	ND	0.97	0.24	0.969	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.8	0.32	0.969	
1,1-Dichloropropene	ND	1.9	0.32	0.969	
c-1,3-Dichloropropene	ND	0.97	0.25	0.969	
t-1,3-Dichloropropene	ND	1.9	0.59	0.969	
Ethylbenzene	ND	0.97	0.15	0.969	
2-Hexanone	ND	19	1.7	0.969	
Isopropylbenzene	ND	0.97	0.53	0.969	
p-Isopropyltoluene	ND	0.97	0.61	0.969	
Methylene Chloride	ND	9.7	1.3	0.969	
4-Methyl-2-Pentanone	ND	19	4.2	0.969	
Naphthalene	ND	9.7	0.79	0.969	
n-Propylbenzene	ND	1.9	0.49	0.969	
Styrene	ND	0.97	0.59	0.969	
1,1,1,2-Tetrachloroethane	ND	0.97	0.23	0.969	
1,1,2,2-Tetrachloroethane	ND	1.9	0.34	0.969	
Tetrachloroethene	11	0.97	0.20	0.969	
Toluene	ND	0.97	0.50	0.969	
1,2,3-Trichlorobenzene	ND	1.9	0.88	0.969	
1,2,4-Trichlorobenzene	ND	1.9	0.30	0.969	
1,1,1-Trichloroethane	ND	0.97	0.22	0.969	
1,1,2-Trichloroethane	ND	0.97	0.34	0.969	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.7	0.34	0.969	
Trichloroethene	1.9	1.9	0.29	0.969	J
Trichlorofluoromethane	ND	9.7	0.36	0.969	
1,2,3-Trichloropropane	ND	1.9	0.80	0.969	
1,2,4-Trimethylbenzene	ND	1.9	0.57	0.969	
1,3,5-Trimethylbenzene	ND	1.9	0.53	0.969	
Vinyl Acetate	ND	9.7	4.6	0.969	
Vinyl Chloride	ND	0.97	0.49	0.969	
p/m-Xylene	ND	1.9	0.26	0.969	
o-Xylene	ND	0.97	0.54	0.969	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.29	0.969	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 106 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-1	**13-07-1227-52-D**	**07/18/13 15:00**	**Soil**	**GC/MS PP**	**07/18/13**	**07/31/13 17:38**	**130731L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	43	41	5.1	0.825	
Benzene	0.20	0.82	0.11	0.825	J
Bromobenzene	ND	0.82	0.17	0.825	
Bromochloromethane	ND	1.6	0.57	0.825	
Bromodichloromethane	ND	0.82	0.19	0.825	
Bromoform	ND	4.1	0.66	0.825	
Bromomethane	ND	16	7.8	0.825	
2-Butanone	8.9	16	3.1	0.825	J
n-Butylbenzene	0.15	0.82	0.13	0.825	J
sec-Butylbenzene	ND	0.82	0.48	0.825	
tert-Butylbenzene	ND	0.82	0.12	0.825	
Carbon Disulfide	ND	8.2	0.25	0.825	
Carbon Tetrachloride	ND	0.82	0.23	0.825	
Chlorobenzene	ND	0.82	0.18	0.825	
Chloroethane	ND	1.6	1.2	0.825	
Chloroform	ND	0.82	0.20	0.825	
Chloromethane	ND	16	0.25	0.825	
2-Chlorotoluene	ND	0.82	0.19	0.825	
4-Chlorotoluene	ND	0.82	0.18	0.825	
Dibromochloromethane	ND	1.6	0.47	0.825	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.825	
1,2-Dibromoethane	ND	0.82	0.21	0.825	
Dibromomethane	ND	0.82	0.64	0.825	
1,2-Dichlorobenzene	ND	0.82	0.19	0.825	
1,3-Dichlorobenzene	ND	0.82	0.15	0.825	
1,4-Dichlorobenzene	ND	0.82	0.18	0.825	
Dichlorodifluoromethane	ND	1.6	0.37	0.825	
1,1-Dichloroethane	ND	0.82	0.17	0.825	
1,2-Dichloroethane	ND	0.82	0.26	0.825	
1,1-Dichloroethene	ND	0.82	0.29	0.825	
c-1,2-Dichloroethene	ND	0.82	0.23	0.825	
t-1,2-Dichloroethene	ND	0.82	0.42	0.825	
1,2-Dichloropropane	ND	0.82	0.36	0.825	
1,3-Dichloropropane	ND	0.82	0.21	0.825	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.825	
1,1-Dichloropropene	ND	1.6	0.27	0.825	
c-1,3-Dichloropropene	ND	0.82	0.21	0.825	
t-1,3-Dichloropropene	ND	1.6	0.50	0.825	
Ethylbenzene	0.44	0.82	0.13	0.825	J
2-Hexanone	ND	16	1.5	0.825	
Isopropylbenzene	ND	0.82	0.45	0.825	
p-Isopropyltoluene	ND	0.82	0.52	0.825	
Methylene Chloride	ND	8.2	1.1	0.825	
4-Methyl-2-Pentanone	ND	16	3.6	0.825	
Naphthalene	ND	8.2	0.67	0.825	
n-Propylbenzene	ND	1.6	0.41	0.825	
Styrene	ND	0.82	0.50	0.825	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	0.825	
1,1,2,2-Tetrachloroethane	ND	1.6	0.29	0.825	
Tetrachloroethene	ND	0.82	0.17	0.825	
Toluene	2.8	0.82	0.43	0.825	
1,2,3-Trichlorobenzene	ND	1.6	0.75	0.825	
1,2,4-Trichlorobenzene	ND	1.6	0.26	0.825	
1,1,1-Trichloroethane	ND	0.82	0.19	0.825	
1,1,2-Trichloroethane	ND	0.82	0.29	0.825	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	0.825	
Trichloroethene	ND	1.6	0.25	0.825	
Trichlorofluoromethane	ND	8.2	0.31	0.825	
1,2,3-Trichloropropane	ND	1.6	0.68	0.825	
1,2,4-Trimethylbenzene	2.1	1.6	0.48	0.825	
1,3,5-Trimethylbenzene	0.88	1.6	0.45	0.825	J
Vinyl Acetate	ND	8.2	3.9	0.825	
Vinyl Chloride	ND	0.82	0.41	0.825	
p/m-Xylene	2.1	1.6	0.22	0.825	
o-Xylene	1.0	0.82	0.46	0.825	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.825	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	111	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-2.5	**13-07-1227-53-C**	**07/18/13 15:05**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 19:09**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	39	48	6.0	0.954	J
Benzene	1.9	0.95	0.12	0.954	
Bromobenzene	ND	0.95	0.20	0.954	
Bromochloromethane	ND	1.9	0.66	0.954	
Bromodichloromethane	ND	0.95	0.22	0.954	
Bromoform	ND	4.8	0.76	0.954	
Bromomethane	ND	19	9.0	0.954	
2-Butanone	6.7	19	3.6	0.954	J
n-Butylbenzene	ND	0.95	0.15	0.954	
sec-Butylbenzene	ND	0.95	0.55	0.954	
tert-Butylbenzene	ND	0.95	0.14	0.954	
Carbon Disulfide	0.98	9.5	0.29	0.954	J
Carbon Tetrachloride	ND	0.95	0.27	0.954	
Chlorobenzene	ND	0.95	0.21	0.954	
Chloroethane	ND	1.9	1.4	0.954	
Chloroform	ND	0.95	0.23	0.954	
Chloromethane	ND	19	0.29	0.954	
2-Chlorotoluene	ND	0.95	0.22	0.954	
4-Chlorotoluene	ND	0.95	0.20	0.954	
Dibromochloromethane	ND	1.9	0.54	0.954	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.7	0.954	
1,2-Dibromoethane	ND	0.95	0.24	0.954	
Dibromomethane	ND	0.95	0.74	0.954	
1,2-Dichlorobenzene	ND	0.95	0.22	0.954	
1,3-Dichlorobenzene	ND	0.95	0.17	0.954	
1,4-Dichlorobenzene	ND	0.95	0.21	0.954	
Dichlorodifluoromethane	ND	1.9	0.42	0.954	
1,1-Dichloroethane	1.6	0.95	0.20	0.954	
1,2-Dichloroethane	ND	0.95	0.30	0.954	
1,1-Dichloroethene	0.93	0.95	0.33	0.954	J
c-1,2-Dichloroethene	130	0.95	0.27	0.954	
t-1,2-Dichloroethene	7.4	0.95	0.48	0.954	
1,2-Dichloropropane	ND	0.95	0.42	0.954	
1,3-Dichloropropane	ND	0.95	0.24	0.954	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.8	0.32	0.954	
1,1-Dichloropropene	ND	1.9	0.31	0.954	
c-1,3-Dichloropropene	ND	0.95	0.24	0.954	
t-1,3-Dichloropropene	ND	1.9	0.58	0.954	
Ethylbenzene	ND	0.95	0.14	0.954	
2-Hexanone	ND	19	1.7	0.954	
Isopropylbenzene	ND	0.95	0.52	0.954	
p-Isopropyltoluene	ND	0.95	0.60	0.954	
Methylene Chloride	ND	9.5	1.3	0.954	
4-Methyl-2-Pentanone	ND	19	4.1	0.954	
Naphthalene	ND	9.5	0.78	0.954	
n-Propylbenzene	ND	1.9	0.48	0.954	
Styrene	ND	0.95	0.58	0.954	
1,1,1,2-Tetrachloroethane	ND	0.95	0.23	0.954	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	0.954	
Tetrachloroethene	1.1	0.95	0.20	0.954	
Toluene	ND	0.95	0.49	0.954	
1,2,3-Trichlorobenzene	ND	1.9	0.87	0.954	
1,2,4-Trichlorobenzene	ND	1.9	0.30	0.954	
1,1,1-Trichloroethane	ND	0.95	0.21	0.954	
1,1,2-Trichloroethane	ND	0.95	0.34	0.954	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	0.34	0.954	
Trichloroethene	29	1.9	0.29	0.954	
Trichlorofluoromethane	ND	9.5	0.36	0.954	
1,2,3-Trichloropropane	ND	1.9	0.79	0.954	
1,2,4-Trimethylbenzene	ND	1.9	0.56	0.954	
1,3,5-Trimethylbenzene	ND	1.9	0.52	0.954	
Vinyl Acetate	ND	9.5	4.5	0.954	
Vinyl Chloride	ND	0.95	0.48	0.954	
p/m-Xylene	ND	1.9	0.26	0.954	
o-Xylene	ND	0.95	0.53	0.954	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.954	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-5	**13-07-1227-54-C**	**07/18/13 15:10**	**Soil**	**GC/MS PP**	**07/18/13**	**07/22/13 17:50**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.5	44	5.5	0.888	J
Benzene	ND	0.89	0.12	0.888	
Bromobenzene	ND	0.89	0.19	0.888	
Bromochloromethane	ND	1.8	0.61	0.888	
Bromodichloromethane	ND	0.89	0.21	0.888	
Bromoform	ND	4.4	0.71	0.888	
Bromomethane	ND	18	8.4	0.888	
2-Butanone	ND	18	3.3	0.888	
n-Butylbenzene	ND	0.89	0.14	0.888	
sec-Butylbenzene	ND	0.89	0.51	0.888	
tert-Butylbenzene	ND	0.89	0.13	0.888	
Carbon Disulfide	ND	8.9	0.27	0.888	
Carbon Tetrachloride	ND	0.89	0.25	0.888	
Chlorobenzene	ND	0.89	0.20	0.888	
Chloroethane	ND	1.8	1.3	0.888	
Chloroform	ND	0.89	0.21	0.888	
Chloromethane	ND	18	0.27	0.888	
2-Chlorotoluene	ND	0.89	0.21	0.888	
4-Chlorotoluene	ND	0.89	0.19	0.888	
Dibromochloromethane	ND	1.8	0.51	0.888	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.888	
1,2-Dibromoethane	ND	0.89	0.23	0.888	
Dibromomethane	ND	0.89	0.69	0.888	
1,2-Dichlorobenzene	ND	0.89	0.20	0.888	
1,3-Dichlorobenzene	ND	0.89	0.16	0.888	
1,4-Dichlorobenzene	ND	0.89	0.20	0.888	
Dichlorodifluoromethane	ND	1.8	0.39	0.888	
1,1-Dichloroethane	ND	0.89	0.19	0.888	
1,2-Dichloroethane	ND	0.89	0.28	0.888	
1,1-Dichloroethene	ND	0.89	0.31	0.888	
c-1,2-Dichloroethene	11	0.89	0.25	0.888	
t-1,2-Dichloroethene	ND	0.89	0.45	0.888	
1,2-Dichloropropane	ND	0.89	0.39	0.888	
1,3-Dichloropropane	ND	0.89	0.22	0.888	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.888	
1,1-Dichloropropene	ND	1.8	0.29	0.888	
c-1,3-Dichloropropene	ND	0.89	0.23	0.888	
t-1,3-Dichloropropene	ND	1.8	0.54	0.888	
Ethylbenzene	ND	0.89	0.13	0.888	
2-Hexanone	ND	18	1.6	0.888	
Isopropylbenzene	ND	0.89	0.49	0.888	
p-Isopropyltoluene	ND	0.89	0.56	0.888	
Methylene Chloride	ND	8.9	1.2	0.888	
4-Methyl-2-Pentanone	ND	18	3.8	0.888	
Naphthalene	ND	8.9	0.72	0.888	
n-Propylbenzene	ND	1.8	0.45	0.888	
Styrene	ND	0.89	0.54	0.888	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	0.888	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.888	
Tetrachloroethene	0.50	0.89	0.19	0.888	J
Toluene	ND	0.89	0.46	0.888	
1,2,3-Trichlorobenzene	ND	1.8	0.81	0.888	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.888	
1,1,1-Trichloroethane	ND	0.89	0.20	0.888	
1,1,2-Trichloroethane	ND	0.89	0.31	0.888	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	0.888	
Trichloroethene	3.9	1.8	0.27	0.888	
Trichlorofluoromethane	ND	8.9	0.33	0.888	
1,2,3-Trichloropropane	ND	1.8	0.74	0.888	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.888	
1,3,5-Trimethylbenzene	ND	1.8	0.49	0.888	
Vinyl Acetate	ND	8.9	4.2	0.888	
Vinyl Chloride	ND	0.89	0.45	0.888	
p/m-Xylene	ND	1.8	0.24	0.888	
o-Xylene	ND	0.89	0.49	0.888	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.888	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	113	79-133	
1,2-Dichloroethane-d4	125	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B86-10	**13-07-1227-55-C**	**07/18/13 15:15**	**Soil**	**GC/MS PP**	**07/18/13**	**07/31/13 00:50**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	5.0	0.805	
Benzene	ND	0.80	0.10	0.805	
Bromobenzene	ND	0.80	0.17	0.805	
Bromochloromethane	ND	1.6	0.56	0.805	
Bromodichloromethane	ND	0.80	0.19	0.805	
Bromoform	ND	4.0	0.64	0.805	
Bromomethane	ND	16	7.6	0.805	
2-Butanone	ND	16	3.0	0.805	
n-Butylbenzene	ND	0.80	0.13	0.805	
sec-Butylbenzene	ND	0.80	0.47	0.805	
tert-Butylbenzene	ND	0.80	0.12	0.805	
Carbon Disulfide	ND	8.0	0.25	0.805	
Carbon Tetrachloride	ND	0.80	0.23	0.805	
Chlorobenzene	ND	0.80	0.18	0.805	
Chloroethane	ND	1.6	1.2	0.805	
Chloroform	ND	0.80	0.19	0.805	
Chloromethane	0.27	16	0.24	0.805	J
2-Chlorotoluene	ND	0.80	0.19	0.805	
4-Chlorotoluene	ND	0.80	0.17	0.805	
Dibromochloromethane	ND	1.6	0.46	0.805	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.805	
1,2-Dibromoethane	ND	0.80	0.21	0.805	
Dibromomethane	ND	0.80	0.62	0.805	
1,2-Dichlorobenzene	ND	0.80	0.18	0.805	
1,3-Dichlorobenzene	ND	0.80	0.14	0.805	
1,4-Dichlorobenzene	ND	0.80	0.18	0.805	
Dichlorodifluoromethane	ND	1.6	0.36	0.805	
1,1-Dichloroethane	ND	0.80	0.17	0.805	
1,2-Dichloroethane	ND	0.80	0.25	0.805	
1,1-Dichloroethene	ND	0.80	0.28	0.805	
c-1,2-Dichloroethene	8.5	0.80	0.23	0.805	
t-1,2-Dichloroethene	ND	0.80	0.41	0.805	
1,2-Dichloropropane	ND	0.80	0.35	0.805	
1,3-Dichloropropane	ND	0.80	0.20	0.805	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.27	0.805	
1,1-Dichloropropene	ND	1.6	0.26	0.805	
c-1,3-Dichloropropene	ND	0.80	0.20	0.805	
t-1,3-Dichloropropene	ND	1.6	0.49	0.805	
Ethylbenzene	ND	0.80	0.12	0.805	
2-Hexanone	ND	16	1.4	0.805	
Isopropylbenzene	ND	0.80	0.44	0.805	
p-Isopropyltoluene	ND	0.80	0.51	0.805	
Methylene Chloride	ND	8.0	1.1	0.805	
4-Methyl-2-Pentanone	ND	16	3.5	0.805	
Naphthalene	ND	8.0	0.66	0.805	
n-Propylbenzene	ND	1.6	0.40	0.805	
Styrene	ND	0.80	0.49	0.805	
1,1,1,2-Tetrachloroethane	ND	0.80	0.19	0.805	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.805	
Tetrachloroethene	0.29	0.80	0.17	0.805	J
Toluene	ND	0.80	0.41	0.805	
1,2,3-Trichlorobenzene	ND	1.6	0.74	0.805	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.805	
1,1,1-Trichloroethane	ND	0.80	0.18	0.805	
1,1,2-Trichloroethane	ND	0.80	0.28	0.805	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.0	0.28	0.805	
Trichloroethene	3.0	1.6	0.24	0.805	
Trichlorofluoromethane	ND	8.0	0.30	0.805	
1,2,3-Trichloropropane	ND	1.6	0.67	0.805	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.805	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.805	
Vinyl Acetate	ND	8.0	3.8	0.805	
Vinyl Chloride	ND	0.80	0.40	0.805	
p/m-Xylene	ND	1.6	0.22	0.805	
o-Xylene	ND	0.80	0.45	0.805	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.805	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	111	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24084**	**N/A**	**Soil**	**GC/MS R**	**07/20/13**	**07/20/13 14:20**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	98	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24083**	**N/A**	**Soil**	**GC/MS OO**	**07/20/13**	**07/20/13 13:39**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	0.32	20	0.30	1	J
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	97	71-155	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24081**	**N/A**	**Soil**	**GC/MS PP**	**07/20/13**	**07/20/13 12:57**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24085**	**N/A**	**Soil**	**GC/MS PP**	**07/22/13**	**07/22/13 12:32**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252 Page 122 of 131

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24094**	**N/A**	**Soil**	**GC/MS PP**	**07/23/13**	**07/23/13 16:50**	**130723L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	ND	100	21	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24115**	**N/A**	**Soil**	**GC/MS LL**	**07/27/13**	**07/27/13 12:30**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	94	79-133	
1,2-Dichloroethane-d4	90	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24118**	**N/A**	**Soil**	**GC/MS LL**	**07/30/13**	**07/30/13 12:51**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	97	79-133	
1,2-Dichloroethane-d4	96	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24120**	**N/A**	**Soil**	**GC/MS PP**	**07/30/13**	**07/30/13 17:36**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	0.17	1.0	0.13	1	J
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24123**	**N/A**	**Soil**	**GC/MS PP**	**07/31/13**	**07/31/13 17:09**	**130731L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24126**	**N/A**	**Soil**	**GC/MS PP**	**07/31/13**	**07/31/13 16:43**	**130731L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	ND	100	21	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1357-3	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 21:29**	**130722S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	7.500	30	6.690	27	50-115	11	0-20	3
Arsenic	2.673	25.00	25.29	90	25.23	90	75-125	0	0-20	
Barium	98.27	25.00	123.0	99	145.9	190	75-125	17	0-20	3
Beryllium	0.4126	25.00	23.95	94	24.46	96	75-125	2	0-20	
Cadmium	0.5209	25.00	23.58	92	24.24	95	75-125	3	0-20	
Chromium	10.79	25.00	37.62	107	40.14	117	75-125	6	0-20	
Cobalt	6.826	25.00	31.76	100	33.13	105	75-125	4	0-20	
Copper	18.15	25.00	44.60	106	54.84	147	75-125	21	0-20	3,4
Lead	8.627	25.00	31.13	90	34.88	105	75-125	11	0-20	
Molybdenum	ND	25.00	21.22	85	20.89	84	75-125	2	0-20	
Nickel	10.76	25.00	38.54	111	40.68	120	75-125	5	0-20	
Selenium	ND	25.00	19.62	78	19.75	79	75-125	1	0-20	
Silver	ND	12.50	11.62	93	12.14	97	75-125	4	0-20	
Thallium	ND	25.00	12.91	52	20.64	83	75-125	46	0-20	3,4
Vanadium	24.84	25.00	52.75	112	56.76	128	75-125	7	0-20	3
Zinc	63.92	25.00	89.62	103	105.7	167	75-125	16	0-20	3

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B101-2.5	**Soil**	**ICP 7300**	**07/22/13**	**07/23/13 19:36**	**130722S10**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.103	20	4.642	19	50-115	9	0-20	3
Arsenic	5.223	25.00	29.88	99	28.72	94	75-125	4	0-20	
Barium	97.52	25.00	120.4	92	115.3	71	75-125	4	0-20	3
Beryllium	0.3331	25.00	25.43	100	24.59	97	75-125	3	0-20	
Cadmium	1.511	25.00	25.26	95	24.35	91	75-125	4	0-20	
Chromium	30.13	25.00	55.27	101	53.50	93	75-125	3	0-20	
Cobalt	6.212	25.00	31.27	100	30.02	95	75-125	4	0-20	
Copper	170.1	25.00	195.9	4X	184.8	4X	75-125	4X	0-20	Q
Lead	12.10	25.00	35.91	95	34.74	91	75-125	3	0-20	
Molybdenum	ND	25.00	23.83	95	22.96	92	75-125	4	0-20	
Nickel	16.03	25.00	42.28	105	40.25	97	75-125	5	0-20	
Selenium	ND	25.00	23.37	93	22.04	88	75-125	6	0-20	
Silver	ND	12.50	13.46	108	13.07	105	75-125	3	0-20	
Thallium	ND	25.00	22.65	91	22.44	90	75-125	1	0-20	
Vanadium	33.44	25.00	60.57	108	57.63	97	75-125	5	0-20	
Zinc	71.30	25.00	93.91	90	89.28	72	75-125	5	0-20	3

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 7471A Total
Method: EPA 7471A
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Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1254-1	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:51**	**130722S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.8564	103	0.8695	106	71-137	2	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 7471A Total
Method: EPA 7471A
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Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B101-2.5	**Soil**	**Mercury**	**07/22/13**	**07/23/13 11:57**	**130722S15**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.6965	83	0.6856	82	71-137	2	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1033-5	**Soil**	**GC/MS DDD**	**07/22/13**	**07/23/13 12:51**	**130722S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	2.000	2.054	103	1.976	99	50-130	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B80-10	**Soil**	**GC/MS DDD**	**07/30/13**	**08/01/13 22:23**	**130730S16**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	2.000	1.513	76	1.322	66	50-130	13	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - PDS/PDSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 7471A Total
Method: EPA 7471A
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Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
13-07-1254-1	**Soil**	**Mercury**	**07/22/13 00:00**	**07/22/13 19:01**	**130722S08**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	PDSD Conc.	PDSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.8595	103	0.8339	100	75-125	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-002-17083	**Soil**	**ICP 7300**	**07/22/13 19:09**	**130722L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	26.20	105	80-120	73-127	
Arsenic	25.00	25.42	102	80-120	73-127	
Barium	25.00	28.27	113	80-120	73-127	
Beryllium	25.00	26.64	107	80-120	73-127	
Cadmium	25.00	27.15	109	80-120	73-127	
Chromium	25.00	26.44	106	80-120	73-127	
Cobalt	25.00	28.05	112	80-120	73-127	
Copper	25.00	25.75	103	80-120	73-127	
Lead	25.00	25.14	101	80-120	73-127	
Molybdenum	25.00	25.99	104	80-120	73-127	
Nickel	25.00	27.90	112	80-120	73-127	
Selenium	25.00	24.75	99	80-120	73-127	
Silver	12.50	13.02	104	80-120	73-127	
Thallium	25.00	25.46	102	80-120	73-127	
Vanadium	25.00	25.94	104	80-120	73-127	
Zinc	25.00	29.08	116	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-002-17093	**Soil**	**ICP 7300**	**07/23/13 19:34**	**130722L10**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	23.15	93	80-120	73-127	
Arsenic	25.00	24.98	100	80-120	73-127	
Barium	25.00	27.96	112	80-120	73-127	
Beryllium	25.00	25.83	103	80-120	73-127	
Cadmium	25.00	26.65	107	80-120	73-127	
Chromium	25.00	26.32	105	80-120	73-127	
Cobalt	25.00	27.66	111	80-120	73-127	
Copper	25.00	26.13	105	80-120	73-127	
Lead	25.00	24.90	100	80-120	73-127	
Molybdenum	25.00	25.92	104	80-120	73-127	
Nickel	25.00	27.70	111	80-120	73-127	
Selenium	25.00	22.81	91	80-120	73-127	
Silver	12.50	12.75	102	80-120	73-127	
Thallium	25.00	25.19	101	80-120	73-127	
Vanadium	25.00	25.69	103	80-120	73-127	
Zinc	25.00	28.55	114	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: Panama Site / MCGU-13-2252			Page 3 of 18

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-04-007-9466	**Soil**	**Mercury**	**07/22/13 18:47**	**130722L08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8092	97	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 7471A Total
Method: EPA 7471A
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Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-04-007-9465	**Soil**	**Mercury**	**07/23/13 11:52**	**130722L15**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8127	97	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-110	**Soil**	**GC/MS DDD**	**07/23/13 13:29**	**130722L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	2.000	2.136	107	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-116	**Soil**	**GC/MS DDD**	**08/05/13 12:48**	**130730L16**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	5.000	4.430	89	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-115	**Soil**	**GC/MS DDD**	**08/02/13 10:50**	**130731L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	2.000	1.431	72	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-114	**Soil**	**GC/MS DDD**	**08/02/13 00:15**	**130731L13**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	2.000	1.466	73	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24084	**Soil**	**GC/MS R**	**07/20/13**	**07/20/13 12:48**	**130720L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	50.19	100	51.03	102	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	50.19	100	52.28	105	65-137	53-149	4	0-20	
Chlorobenzene	50.00	47.55	95	48.65	97	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	50.81	102	50.35	101	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	48.01	96	48.19	96	80-120	73-127	0	0-20	
1,2-Dichloroethane	50.00	51.76	104	51.13	102	80-120	73-127	1	0-20	
1,1-Dichloroethene	50.00	49.64	99	51.52	103	68-128	58-138	4	0-20	
Ethylbenzene	50.00	51.01	102	52.61	105	80-120	73-127	3	0-20	
Toluene	50.00	50.89	102	51.76	104	80-120	73-127	2	0-20	
Trichloroethene	50.00	48.96	98	50.12	100	80-120	73-127	2	0-20	
Vinyl Chloride	50.00	45.64	91	44.98	90	67-127	57-137	1	0-20	
p/m-Xylene	100.0	98.38	98	100.9	101	75-125	67-133	3	0-25	
o-Xylene	50.00	47.51	95	48.70	97	75-125	67-133	2	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	45.26	91	42.73	85	70-124	61-133	6	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24115	**Soil**	**GC/MS LL**	**07/27/13**	**07/27/13 10:34**	**130727L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	44.78	90	48.73	97	80-120	73-127	8	0-20	
Carbon Tetrachloride	50.00	42.86	86	46.45	93	65-137	53-149	8	0-20	
Chlorobenzene	50.00	42.87	86	46.28	93	80-120	73-127	8	0-20	
1,2-Dibromoethane	50.00	46.18	92	49.87	100	80-120	73-127	8	0-20	
1,2-Dichlorobenzene	50.00	43.27	87	46.74	93	80-120	73-127	8	0-20	
1,2-Dichloroethane	50.00	42.44	85	46.13	92	80-120	73-127	8	0-20	
1,1-Dichloroethene	50.00	42.74	85	45.97	92	68-128	58-138	7	0-20	
Ethylbenzene	50.00	45.88	92	49.68	99	80-120	73-127	8	0-20	
Toluene	50.00	45.40	91	47.65	95	80-120	73-127	5	0-20	
Trichloroethene	50.00	44.81	90	47.76	96	80-120	73-127	6	0-20	
Vinyl Chloride	50.00	38.69	77	39.30	79	67-127	57-137	2	0-20	
p/m-Xylene	100.0	90.06	90	96.10	96	75-125	67-133	6	0-25	
o-Xylene	50.00	43.16	86	47.02	94	75-125	67-133	9	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	39.90	80	43.32	87	70-124	61-133	8	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24118	**Soil**	**GC/MS LL**	**07/30/13**	**07/30/13 11:00**	**130730L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	46.65	93	51.54	103	80-120	73-127	10	0-20	
Carbon Tetrachloride	50.00	47.86	96	51.75	104	65-137	53-149	8	0-20	
Chlorobenzene	50.00	44.72	89	48.64	97	80-120	73-127	8	0-20	
1,2-Dibromoethane	50.00	46.56	93	50.70	101	80-120	73-127	9	0-20	
1,2-Dichlorobenzene	50.00	44.74	89	48.33	97	80-120	73-127	8	0-20	
1,2-Dichloroethane	50.00	44.49	89	51.01	102	80-120	73-127	14	0-20	
1,1-Dichloroethene	50.00	45.55	91	51.43	103	68-128	58-138	12	0-20	
Ethylbenzene	50.00	48.14	96	52.10	104	80-120	73-127	8	0-20	
Toluene	50.00	46.32	93	50.27	101	80-120	73-127	8	0-20	
Trichloroethene	50.00	46.98	94	50.65	101	80-120	73-127	8	0-20	
Vinyl Chloride	50.00	46.75	94	53.98	108	67-127	57-137	14	0-20	
p/m-Xylene	100.0	93.99	94	103.0	103	75-125	67-133	9	0-25	
o-Xylene	50.00	45.02	90	49.30	99	75-125	67-133	9	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	42.23	84	44.95	90	70-124	61-133	6	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24083	**Soil**	**GC/MS OO**	**07/20/13**	**07/20/13 12:14**	**130720L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	48.15	96	45.44	91	80-120	73-127	6	0-20	
Carbon Tetrachloride	50.00	40.73	81	41.18	82	65-137	53-149	1	0-20	
Chlorobenzene	50.00	47.15	94	44.37	89	80-120	73-127	6	0-20	
1,2-Dibromoethane	50.00	50.69	101	47.85	96	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	50.00	46.58	93	45.47	91	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	49.07	98	46.92	94	80-120	73-127	4	0-20	
1,1-Dichloroethene	50.00	44.53	89	44.14	88	68-128	58-138	1	0-20	
Ethylbenzene	50.00	48.78	98	45.78	92	80-120	73-127	6	0-20	
Toluene	50.00	48.30	97	45.37	91	80-120	73-127	6	0-20	
Trichloroethene	50.00	51.18	102	47.98	96	80-120	73-127	6	0-20	
Vinyl Chloride	50.00	45.91	92	41.98	84	67-127	57-137	9	0-20	
p/m-Xylene	100.0	95.28	95	89.25	89	75-125	67-133	7	0-25	
o-Xylene	50.00	45.44	91	41.67	83	75-125	67-133	9	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	41.27	83	38.52	77	70-124	61-133	7	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24081	**Soil**	**GC/MS PP**	**07/20/13**	**07/20/13 11:03**	**130720L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	44.88	90	45.77	92	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	48.88	98	49.03	98	65-137	53-149	0	0-20	
Chlorobenzene	50.00	42.17	84	44.27	89	80-120	73-127	5	0-20	
1,2-Dibromoethane	50.00	47.12	94	47.57	95	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	42.75	86	44.01	88	80-120	73-127	3	0-20	
1,2-Dichloroethane	50.00	47.97	96	48.05	96	80-120	73-127	0	0-20	
1,1-Dichloroethene	50.00	45.64	91	45.99	92	68-128	58-138	1	0-20	
Ethylbenzene	50.00	46.69	93	49.04	98	80-120	73-127	5	0-20	
Toluene	50.00	46.31	93	48.05	96	80-120	73-127	4	0-20	
Trichloroethene	50.00	45.79	92	46.93	94	80-120	73-127	2	0-20	
Vinyl Chloride	50.00	47.17	94	49.50	99	67-127	57-137	5	0-20	
p/m-Xylene	100.0	92.13	92	94.97	95	75-125	67-133	3	0-25	
o-Xylene	50.00	45.53	91	47.65	95	75-125	67-133	5	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	47.19	94	47.14	94	70-124	61-133	0	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24085	**Soil**	**GC/MS PP**	**07/22/13**	**07/22/13 11:05**	**130722L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	48.23	96	46.72	93	80-120	73-127	3	0-20	
Carbon Tetrachloride	50.00	52.90	106	52.89	106	65-137	53-149	0	0-20	
Chlorobenzene	50.00	46.14	92	45.66	91	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	50.58	101	51.01	102	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	46.22	92	44.97	90	80-120	73-127	3	0-20	
1,2-Dichloroethane	50.00	52.33	105	49.48	99	80-120	73-127	6	0-20	
1,1-Dichloroethene	50.00	48.26	97	46.76	94	68-128	58-138	3	0-20	
Ethylbenzene	50.00	50.92	102	50.72	101	80-120	73-127	0	0-20	
Toluene	50.00	49.65	99	48.89	98	80-120	73-127	2	0-20	
Trichloroethene	50.00	49.42	99	47.60	95	80-120	73-127	4	0-20	
Vinyl Chloride	50.00	52.64	105	53.22	106	67-127	57-137	1	0-20	
p/m-Xylene	100.0	99.32	99	97.34	97	75-125	67-133	2	0-25	
o-Xylene	50.00	50.10	100	49.43	99	75-125	67-133	1	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	50.28	101	50.29	101	70-124	61-133	0	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24094	**Soil**	**GC/MS PP**	**07/23/13**	**07/23/13 15:18**	**130723L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	48.45	97	44.20	88	80-120	73-127	9	0-20	
Carbon Tetrachloride	50.00	54.85	110	50.26	101	65-137	53-149	9	0-20	
Chlorobenzene	50.00	45.21	90	42.00	84	80-120	73-127	7	0-20	
1,2-Dibromoethane	50.00	52.12	104	47.96	96	80-120	73-127	8	0-20	
1,2-Dichlorobenzene	50.00	45.41	91	41.36	83	80-120	73-127	9	0-20	
1,2-Dichloroethane	50.00	53.63	107	48.86	98	80-120	73-127	9	0-20	
1,1-Dichloroethene	50.00	48.53	97	44.28	89	68-128	58-138	9	0-20	
Ethylbenzene	50.00	50.63	101	46.24	92	80-120	73-127	9	0-20	
Toluene	50.00	50.65	101	45.91	92	80-120	73-127	10	0-20	
Trichloroethene	50.00	50.80	102	44.73	89	80-120	73-127	13	0-20	
Vinyl Chloride	50.00	48.56	97	43.39	87	67-127	57-137	11	0-20	
p/m-Xylene	100.0	98.97	99	91.01	91	75-125	67-133	8	0-25	
o-Xylene	50.00	49.41	99	44.83	90	75-125	67-133	10	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	50.52	101	48.05	96	70-124	61-133	5	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24120	**Soil**	**GC/MS PP**	**07/30/13**	**07/30/13 15:44**	**130730L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	50.35	101	48.17	96	80-120	73-127	4	0-20	
Carbon Tetrachloride	50.00	52.85	106	49.53	99	65-137	53-149	6	0-20	
Chlorobenzene	50.00	46.16	92	44.18	88	80-120	73-127	4	0-20	
1,2-Dibromoethane	50.00	53.95	108	51.34	103	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	50.00	47.53	95	45.13	90	80-120	73-127	5	0-20	
1,2-Dichloroethane	50.00	51.43	103	49.21	98	80-120	73-127	4	0-20	
1,1-Dichloroethene	50.00	49.77	100	46.81	94	68-128	58-138	6	0-20	
Ethylbenzene	50.00	50.51	101	48.52	97	80-120	73-127	4	0-20	
Toluene	50.00	50.00	100	47.76	96	80-120	73-127	5	0-20	
Trichloroethene	50.00	50.16	100	47.14	94	80-120	73-127	6	0-20	
Vinyl Chloride	50.00	52.33	105	48.44	97	67-127	57-137	8	0-20	
p/m-Xylene	100.0	99.41	99	95.94	96	75-125	67-133	4	0-25	
o-Xylene	50.00	49.21	98	47.51	95	75-125	67-133	4	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	52.28	105	48.75	98	70-124	61-133	7	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24123	**Soil**	**GC/MS PP**	**07/31/13**	**07/31/13 15:11**	**130731L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	46.41	93	42.25	85	80-120	73-127	9	0-20	
Carbon Tetrachloride	50.00	48.12	96	41.97	84	65-137	53-149	14	0-20	
Chlorobenzene	50.00	45.66	91	41.69	83	80-120	73-127	9	0-20	
1,2-Dibromoethane	50.00	50.08	100	46.37	93	80-120	73-127	8	0-20	
1,2-Dichlorobenzene	50.00	45.63	91	43.29	87	80-120	73-127	5	0-20	
1,2-Dichloroethane	50.00	47.08	94	43.39	87	80-120	73-127	8	0-20	
1,1-Dichloroethene	50.00	44.27	89	38.74	77	68-128	58-138	13	0-20	
Ethylbenzene	50.00	49.65	99	45.55	91	80-120	73-127	9	0-20	
Toluene	50.00	46.96	94	42.61	85	80-120	73-127	10	0-20	
Trichloroethene	50.00	46.55	93	42.51	85	80-120	73-127	9	0-20	
Vinyl Chloride	50.00	44.41	89	40.68	81	67-127	57-137	9	0-20	
p/m-Xylene	100.0	97.48	97	89.66	90	75-125	67-133	8	0-25	
o-Xylene	50.00	47.59	95	44.32	89	75-125	67-133	7	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	42.47	85	38.58	77	70-124	61-133	10	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24126	**Soil**	**GC/MS PP**	**07/31/13**	**07/31/13 15:11**	**130731L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	46.41	93	42.25	85	80-120	73-127	9	0-20	
Carbon Tetrachloride	50.00	48.12	96	41.97	84	65-137	53-149	14	0-20	
Chlorobenzene	50.00	45.66	91	41.69	83	80-120	73-127	9	0-20	
1,2-Dibromoethane	50.00	50.08	100	46.37	93	80-120	73-127	8	0-20	
1,2-Dichlorobenzene	50.00	45.63	91	43.29	87	80-120	73-127	5	0-20	
1,2-Dichloroethane	50.00	47.08	94	43.39	87	80-120	73-127	8	0-20	
1,1-Dichloroethene	50.00	44.27	89	38.74	77	68-128	58-138	13	0-20	
Ethylbenzene	50.00	49.65	99	45.55	91	80-120	73-127	9	0-20	
Toluene	50.00	46.96	94	42.61	85	80-120	73-127	10	0-20	
Trichloroethene	50.00	46.55	93	42.51	85	80-120	73-127	9	0-20	
Vinyl Chloride	50.00	44.41	89	40.68	81	67-127	57-137	9	0-20	
p/m-Xylene	100.0	97.48	97	89.66	90	75-125	67-133	8	0-25	
o-Xylene	50.00	47.59	95	44.32	89	75-125	67-133	7	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	42.47	85	38.58	77	70-124	61-133	10	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1227

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 7471A	EPA 7471A Total	769	Mercury	1
EPA 8260B	EPA 5035	486	GC/MS R	2
EPA 8260B	EPA 5035	486	GC/MS OO	2
EPA 8260B	EPA 5035	510	GC/MS PP	2
EPA 8260B	EPA 5035	670	GC/MS LL	2
EPA 8260B	EPA 5035	849	GC/MS PP	2
EPA 8270C(M) Isotope Dilution	EPA 3545	421	GC/MS DDD	1
EPA 8270C(M) Isotope Dilution	EPA 3545	859	GC/MS DDD	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1227 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 13-07-1227

DATE: 7/18/13
PAGE: 1 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5085/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE				
1	B101-2.5	7/18/13	0745	SOIL	4		X						X							X						
2	-5		0750										X			X				X						
3	-10		0755										X													
4	B75-1		0805										X													
5	-2.5		0810										X			X				X						
6	-5		0815										X							X						
7	-10		0820										X													
	~~BAV-B10B-2.5~~		~~0830~~																				OMIT (KD)			
	~~5~~		~~0835~~																				OMIT (KD)			
8	B74-1		0845																			X				

	Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
1			7/18/13	1605
2			7/18/13	1835
3				

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07[0]-1122-1

DATE: 7/18/13
PAGE: 2 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~(8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]					ARCHIVE
9	B74-2.5	7/18/13	0850	Soil	4		X						X			X				X						
10	-5		0850										X			X				X						
11	-10		0900																						X
12	B100-1		0905										X												
13	-2.5		0910										X							X					
14	-5 MS KD		0915										X			X				X					
15	-10		0920										X												
16	B76-1		0935																						X
17	-2.5		0940										X			X				X						
18	-5		0945										X			X				X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1615
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1227

DATE: 7/18/13
PAGE: 3 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/HCl	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-Dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
19	B76-10	7/18/13	0950	SOIL	4		X																X			
20	B99-1		1005										X													
21	-2.5		1005										X							X						
22	-5		1010										X							X						
23	-10		1015										X			X										
24	B78-1		1020																				X			
25	-2.5		1025										X			X				X						
26	-5		1030										X			X				X						
27	-10		1035																				X			
28	B77-1		1100										X													

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1605
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1237

DATE: 7/18/13

PAGE: 4 OF 6

LABORATORY CLIENT: Alta Environmental

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252

P.O. NO.: MCGU-13-2252

PROJECT CONTACT: Jonathan Barkman

SAMPLER(S): (PRINT) K. Decker

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035 Lic	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-D, 10 Xanes	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
29	B77-2.5	7/18/13	1105	SOIL	4		X						X			X				X						
30	-5		1110										X							X						
31	-10		1115										X													
32	B98-1		1145										X													
33	-2.5		1150										X			X				X						
34	-5		1155										X							X						
35	-10		1200										X													
36	B79-1		1240																				X			
37	-2.5		1245										X							X						
38	-5		1250										X			X				X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1616
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1323-7

DATE: 7/18/13

PAGE: 5 OF 6

LABORATORY CLIENT: Alta Environmental

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252

P.O. NO.:

PROJECT CONTACT: Jonathan Barkman

SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
39	B79-10	7/18/13	1255	SOIL	4		X																X			
40	B82-1		1315																				X			
41	-2.5		1320										X			X			Y	X						
42	-5		1325										X							X						
43	-10		1330																				X			
44	B80-1		1345																				X			
45	-2.5		1350										X							X						
46	-5		1355										X							X						
47	-10		1400													X										
48	B88-1		1415																				X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1616
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1227

DATE: 7/18/13
PAGE: 6 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.:
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE				
49	B88-2.5	7/18/13	1420	SOIL	4		X						X							X			X			
50	-5		1425										X							X						
51	-10		1430													X									
52	B86-1		1500																			X			
53	-2.5		1505										X			X				X						
54	-5		1510										X							X						
55	-10		1515																				X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1605
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1121 7

SAMPLE RECEIPT FORM

Cooler 1 of 3

CLIENT: ACTA DATE: 07/18/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.7 °C - 0.2 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JD

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑ 7/19/13 100	☑	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (2) ☐EnCores® ☑TerraCores® (3) ☐_____

Water: ☐VOA ☑VOAh (2) ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 130708B **Labeled/Checked by:** JD

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** PL/VC

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** VC

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1 2 2 7

SAMPLE RECEIPT FORM

Cooler 2 of 3

CLIENT: ALTA DATE: 07/18/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.8 °C - 0.2 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JD

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (7) ☐EnCores® ☑TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JD

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YC

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** YC

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07- 1 2 2 7

SAMPLE RECEIPT FORM

Cooler 3 of 3

CLIENT: ALTA

DATE: 07 / 18 / 13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.6 °C - 0.2 °C (CF) = 2.4 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JD

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☑TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JD

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YC

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** YC

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1227

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☑ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired – list sample ID(s) and test
- ☑ Insufficient quantities for analysis – list test
- ☐ Improper container(s) used – list test
- ☐ Improper preservative used – list test
- ☐ No preservative noted on COC or label – list test & notify lab
- ☐ Sample labels illegible – note test/container type
- ☑ Sample label(s) do not match COC – Note in comments
  - ☐ Sample ID
  - ☐ Date and/or Time Collected
  - ☐ Project Information
  - ☑ # of Container(s)
  - ☐ Analysis
- ☐ Sample container(s) compromised – Note in comments
  - ☐ Water present in sample container
  - ☐ Broken
- ☐ Sample container(s) not labeled
- ☐ Air sample container(s) compromised – Note in comments
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (Not transferred - duplicate bag submitted)
  - ☐ Leaking (transferred into Calscience Tedlar® Bag*)
  - ☐ Leaking (transferred into Client's Tedlar® Bag*)
- ☐ Other: _____

Comments:

(-56) Received 2x Trip Blanks

(-9)(-10) sleeve not received for SVOC and Metals

(-8)(-9)(-10)(-11) Received 3 containers instead of 4; 3x Terra cores

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: JD 07/18/13

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Vikas Patel

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Friday, July 19, 2013 11:48 AM
To: Vikas Patel
Subject: RE: Panama Site / MCGU-13-2252 / CEL 13-07-1227

We are re-sampling B74 and will include those on today's COC.

Regards,

STEVEN R. RIDENOUR, PG, REA
SENIOR PROJECT MANAGER/SENIOR GEOLOGIST III

ALTA ENVIRONMENTAL

3777 Long Beach Blvd. Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.997.6500 f. 562.495.5877
steve.ridenour@altaenviron.com | www.altaenviron.com

Welcome to Alta Environmental! Effective July 2011, Alta Environmental represents the combined teams of Winefield & Associates and our recent acquisitions, Coffey Environments/CTL Environmental Services and Justice & Associates. Alta Environmental is a premiere environmental consultancy for industrial and construction interests throughout California. For more information about our subsurface remediation, environmental compliance, and occupational safety capabilities, please click here for our website.

From: Vikas Patel [mailto:vipatel@calscience.com]
Sent: Friday, July 19, 2013 11:25 AM
To: Steve Ridenour
Cc: Reid Shigeno; Vikas Patel
Subject: Panama Site / MCGU-13-2252 / CEL 13-07-1227

Steve -

We did not receive a sleeve for samples B74-1, B74-2.5, B74-5, and B74-10. Thus, we will not be able to perform SVOC and Metals analyses on these samples.

Vik Patel
Project Manager

Calscience
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494
www.calscience.com

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Vikas Patel

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Friday, July 19, 2013 5:05 PM
To: Vikas Patel
Subject: COC #13-07-1227

Vikas, please rush the VOC (EPA Method 8260B) analyses on a 24-hr TAT basis for the following samples (no rush for Title 22 metals or 1,4-dioxane):

B101-2.5
B101-5
B101-10
B75-1
B75-2.5
B75-5
B75-10
B100-1
B100-2.5
B100-5
B100-10
B99-1
B99-2.5
B99-5
B99-10
B77-1
B77-2.5
B77-5
B77-10
B98-1
B98-2.5
B98-5
B98-10

In addition, additional samples were collected today for VOC analysis. From today's samples, please analyze B97-1, B97-2.5, B97-5, and B97-10 for VOCs on a 24-hr TAT rush analysis.

Regards,

STEVEN R. RIDENOUR, PG, REA
SENIOR PROJECT MANAGER/SENIOR GEOLOGIST III

ALTA ENVIRONMENTAL

3777 Long Beach Blvd. Annex Building. Long Beach, CA 90807
o. 562.495.5777 c. 310.997.6500 f. 562.495.5877
steve.ridenour@altaenviron.com | www.altaenviron.com

Welcome to Alta Environmental! Effective July 2011, Alta Environmental represents the combined teams of Winefield & Associates and our recent acquisitions, Coffey Environments/CTL Environmental Services and Justice & Associates. Alta Environmental is a premiere environmental consultancy for industrial and

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Vikas Patel

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Friday, July 26, 2013 3:00 PM
To: Vikas Patel; Nicole Scott
Cc: Jonathan Barkman; Kristyn Drake
Subject: Teledyne - Additional Analyses Request for VOCs

Vik/Nicole,

For Chain-of-Custody No. 13-07-1227, please analyze the following held samples for VOCs by EPA 8260B (normal TAT):
B74-1
B74-10
B76-1
B76-10
B78-1
B78-10
B79-1
B79-10
B82-1
B82-10
B80-1
B80-10
B88-1
B88-10
B86-1
B86-10

For Chain-of-Custody No. 13-07-1333, please analyze the following held samples for VOCs by EPA Method 8260B (normal TAT):
B97-1
B97-10
B81-1
B81-10
B85-1
B85-10
B84-1
B84-10
B87-1
B87-10
B89-1
B89-10
B90-1
B90-2.5
B83-1
B83-10
B96-1
B96-10

Regards,

STEVEN R. RIDENOUR, PG

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Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 13-07-1227

DATE: 7/18/13
PAGE: 1 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5085/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	sVOCs (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE				
1	B101-2.5	7/18/13	0745	SOIL	4		X						X			X				X						
2	-5		0750										X			X				X						
3	-10		0755										X			X										
4	B75-1		0805										X			X										
5	-2.5		0810										X			X				X						
6	-5		0815										X			X				X						
7	-10		0820										X			X										
	~~BNV-B108-2.5~~		~~0830~~																					OMIT	HP	
	~~5~~		~~0835~~																					OMIT	HP	
8	B74-1		0845													X						X				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1605
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

PRELIMINARY REPORT

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Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-0612217

DATE: 7/18/13
PAGE: 2 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5°C/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-Dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Archive					Archive
9	B74-2.5	7/18/13	0850	Soil	4		X						X			X				X							X
10	-5		0855										X			X				X							
11	-10		~~0900~~													X											X
12	B100-1		0905										X			X											
13	-2.5		0910										X			X				X							
14	-5 MS/MSD		0915										X			X				X							
15	-10		0920										X			X											
16	B76-1		0935													X											X
17	-2.5		0940										X			X				X							
18	-5		0945										X			X				X							

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1615
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO.# / LAB USE ONLY: 07-1227

DATE: 7/18/13
PAGE: 3 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/NC	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-Dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
19	B76-10	7/18/13	0950	Soil	4		X						X			X							X			
20	B99-1		1000										X			X										
21	-2.5		1005										X			X				X						
22	-5		1010										X			X				X						
23	-10		1015										X			X										
24	B78-1		1020													X							X			
25	-2.5		1025										X			X				X						
26	-5		1030										X			X				X						
27	-10		1035													X							X			
28	B77-1		1100										X			X										

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		7/18/13	1605
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		7/18/13	1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

PRELIMINARY REPORT

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1237

DATE: 7/18/13

PAGE: 4 OF 6

LABORATORY CLIENT: Alta Environmental

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com; reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252

P.O. NO.: MCGU-13-2252

PROJECT CONTACT: Jonathan Barkman

SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035's/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH (	BTEX / MTBE (8260) or (	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-D'IOXane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
29	B77-2.5	7/18/13	1105	SOIL	4		X						X			X				X						
30	-5		1110										X			X				X						
31	-10		1115										X			X										
32	B98-1		1145										X			X										
33	-2.5		1150										X			X				X						
34	-5		1155										X			X				X						
35	-10		1200										X			X										
36	B79-1		1240													X							X			
37	-2.5		1245										X			X				X						
38	-5		1250										X			X				X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1616
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.
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GARDEN GROVE, CA 92841-1427
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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1323-7

DATE: 7/18/13

PAGE: 5 OF 6

LABORATORY CLIENT: Alta Environmental

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252

P.O. NO.:

PROJECT CONTACT: Jonathan Barkman

SAMPLER(S): (PRINT) K. Deake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
39	B79-10	7/18/13	1255	SOIL	4		X									X							X			
40	B82-1		1315													X							X			
41	-2.5		1320										X			X			Y	X						
42	-5		1325										X			X				X						
43	-10		1330													X							X			
44	B80-1		1345													X							X			
45	-2.5		1350										X			X				X						
46	-5		1355										X			X				X						
47	-10		1400													X										
48	B88-1		1145													X							X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation) AM Mungs CCL	Date: 7/18/13	Time: 1616
Relinquished by: (Signature)	Received by: (Signature/Affiliation) CCL	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

PRELIMINARY REPORT

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1227

DATE: 7/18/13
PAGE: 6 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
P.O. NO.:
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035 / ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
49	B88-2.5	7/18/13	1420	SOIL	4		X						X			X				X				X		
50	-5		1425										X			X				X						
51	-10		1430													X										
52	B86-1		1500													X							X			
53	-2.5		1505										X			X				X						
54	-5		1510										X			X				X						
55	-10		1515													X							X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1615
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

PRELIMINARY - NOT FOR PROOF

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-07-1226

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site / MCGU-13-2252

Attention: Jonathan Barkman
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 07/29/2013 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 13-07-1226

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-1226 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/18/13. They were assigned to Work Order 13-07-1226.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B10B-2.5 (13-07-1226-1)						
Arsenic	4.53		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	110		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.448		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.30		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	31.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.09		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	159		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	9.84		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	21.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.165	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	36.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	68.9		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0562	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	87		47	ug/kg	EPA 8260B	EPA 5035
Benzene	1.8		0.93	ug/kg	EPA 8260B	EPA 5035
2-Butanone	5.9	J	3.5*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.84	B,J	0.29*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	1.0		0.93	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.38	J	0.20*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	2.5		0.93	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1600	E	0.93	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	4300		42	ug/kg	EPA 8260B	EPA 5035
Toluene	1.2		0.93	ug/kg	EPA 8260B	EPA 5035
1,1,1-Trichloroethane	6.9		0.93	ug/kg	EPA 8260B	EPA 5035
1,1,2-Trichloro-1,2,2-Trifluoroethane	3.2	J	0.33*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	46		1.9	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B10B-5 (13-07-1226-2)						
Arsenic	11.6		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	153		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.506		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.799		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	23.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.23		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.778		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	48.4		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.00931	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	14	J	5.8*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.68	B,J	0.29*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	0.73	J	0.26*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	200	E	0.94	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	340		41	ug/kg	EPA 8260B	EPA 5035
1,1,1-Trichloroethane	0.57	J	0.21*	ug/kg	EPA 8260B	EPA 5035
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.4	J	0.33*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	5.4		1.9	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

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3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B4B-2.5 (13-07-1226-3)						
Arsenic	6.02		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	81.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.474		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.920		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	32.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.11		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	27.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.90		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	43.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	46.9		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0266	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	11	J	5.4*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.29	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.57	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.19	J	0.18*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	2.5		0.87	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	19		0.87	ug/kg	EPA 8260B	EPA 5035
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.1	J	0.31*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	71		1.7	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

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Work Order: 13-07-1226
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Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B4B-5 (13-07-1226-4)						
Arsenic	9.60		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	115		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.534		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.33		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.01		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	25.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.30		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.01		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	48.0		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0185	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	0.54	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.53	J	0.17*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	2.8		0.82	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	3.3		0.82	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	20		1.6	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Attn: Jonathan Barkman

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B55B-2.5 (13-07-1226-5)						
Arsenic	4.73		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	118		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.542		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.27		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.50		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	101		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	10.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	69.9		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0227	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	58		50	ug/kg	EPA 8260B	EPA 5035
Benzene	1.6		0.99	ug/kg	EPA 8260B	EPA 5035
2-Butanone	11	J	3.7*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	1.2	B,J	0.30*	ug/kg	EPA 8260B	EPA 5035
Chlorobenzene	0.63	J	0.22*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	3.5		0.99	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	580	E	0.99	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	4300		44	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	12		0.99	ug/kg	EPA 8260B	EPA 5035
Toluene	0.78	J	0.51*	ug/kg	EPA 8260B	EPA 5035
1,1,2-Trichloro-1,2,2-Trifluoroethane	3.9	J	0.35*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.87	J	0.30*	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B55B-5 (13-07-1226-6)						
Arsenic	11.3		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	152		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.505		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.784		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	23.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.28		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.799		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	48.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0145	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	0.52	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	1.7		0.82	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	200	E	0.82	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	580		42	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	1.2		0.82	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	1.1	J	0.25*	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Attn: Jonathan Barkman

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-GW3B-2.5 (13-07-1226-7)						
Arsenic	5.60		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	111		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.381		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.37		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	30.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.83		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	183		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	15.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.12		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	18.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.221	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	77.2		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0718	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	13	J	5.5*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.8		0.89	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.55	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	130		0.89	ug/kg	EPA 8260B	EPA 5035
Toluene	1.1		0.89	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	2.3		1.8	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Alta Environmental	Work Order:	13-07-1226
	3777 Long Beach Blvd., Annex Building	Project Name:	Panama Site / MCGU-13-2252
	Long Beach, CA 90802-3335	Received:	07/18/13
Attn:	Jonathan Barkman		Page 8 of 14

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-GW3B-5 (13-07-1226-8)						
Arsenic	8.83		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	126		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.282		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.40		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.21		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	165		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	65.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.77		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	16.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.120	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	246		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0466	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Bromomethane	420	J	420*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	22	B,J	14*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	14000	E	44	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	15000		220	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	230		89	ug/kg	EPA 8260B	EPA 5035

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Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Attn: Jonathan Barkman

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B39B-2.5 (13-07-1226-9)						
Arsenic	5.62		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	120		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.506		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.47		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	37.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.49		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	211		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	27.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	87.1		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0682	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	63		41	ug/kg	EPA 8260B	EPA 5035
Benzene	2.6		0.83	ug/kg	EPA 8260B	EPA 5035
2-Butanone	14	J	3.1*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	4.6	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	0.34	J	0.19*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.45	J	0.18*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethene	0.49	J	0.29*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	32		0.83	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	1.9		0.83	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.19	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	84		0.83	ug/kg	EPA 8260B	EPA 5035
Toluene	1.2		0.83	ug/kg	EPA 8260B	EPA 5035
1,1,2-Trichloro-1,2,2-Trifluoroethane	4.9	J	0.29*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	180	E	1.7	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	1200		91	ug/kg	EPA 8260B	EPA 5035

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B39B-5 (13-07-1226-10)						
Arsenic	10.9		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	133		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.458		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.01		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	29.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.44		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	21.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.82		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.872		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	53.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	39.6		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0108	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	10	J	5.6*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	0.78	J	0.25*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.77	J	0.19*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	2.0		1.8	ug/kg	EPA 8260B	EPA 5035
ENV-B38B-2.5 (13-07-1226-11)						
Arsenic	5.67		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	87.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.424		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.962		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	27.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.79		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	26.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.59		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	19.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	42.6		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.00920	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	12	J	5.7*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.2		0.91	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.69	B,J	0.28*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	55		0.91	ug/kg	EPA 8260B	EPA 5035
Toluene	0.69	J	0.47*	ug/kg	EPA 8260B	EPA 5035

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B38B-5 (13-07-1226-12)						
Arsenic	9.53		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	62.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.551		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.551		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	29.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.89		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	23.6		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.63		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.55		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	25.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	44.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	47.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0117	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	0.35	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	7.0		0.83	ug/kg	EPA 8260B	EPA 5035
ENV-GW1B-2.5 (13-07-1226-13)						
Arsenic	3.57		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	112		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.505		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.929		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	24.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.70		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	77.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	18.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.383		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	16.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	37.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	61.2		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0759	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	32	J	5.5*	ug/kg	EPA 8260B	EPA 5035
Benzene	1.0		0.88	ug/kg	EPA 8260B	EPA 5035
2-Butanone	6.3	J	3.3*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	1.1	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	41		0.88	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	1.3		0.88	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	7.6		0.88	ug/kg	EPA 8260B	EPA 5035
Toluene	0.50	J	0.45*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	19		1.8	ug/kg	EPA 8260B	EPA 5035

* MDL is shown

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Attn: Jonathan Barkman

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-GW1B-5 (13-07-1226-14)						
Arsenic	14.5		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	150		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.741		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.41		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	43.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	40.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	5.56		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.94		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	37.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	68.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	61.1		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0288	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	0.58	B,J	0.24*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	5.1		0.80	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.97		0.80	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.82	J	0.24*	ug/kg	EPA 8260B	EPA 5035

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B12B-2.5 (13-07-1226-15)						
Arsenic	4.77		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	112		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.428		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.14		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.89		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	130		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	13.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	20.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.166	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	35.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	68.4		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0228	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	120		44	ug/kg	EPA 8260B	EPA 5035
Benzene	4.4		0.88	ug/kg	EPA 8260B	EPA 5035
2-Butanone	26		18	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	3.0	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	16		0.88	ug/kg	EPA 8260B	EPA 5035
1,4-Dichlorobenzene	0.51	J	0.19*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.81	J	0.19*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	450	E	0.88	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	2100		42	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	12		0.88	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.31	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	8.7		0.88	ug/kg	EPA 8260B	EPA 5035
Toluene	2.4		0.88	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	2.1		1.8	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.53	J	0.23*	ug/kg	EPA 8260B	EPA 5035
o-Xylene	1.3		0.88	ug/kg	EPA 8260B	EPA 5035
1,4-Dioxane	0.013		0.010	mg/kg	EPA 8270C(M) Isotope Dilution	EPA 3545

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1226
Project Name: Panama Site / MCGU-13-2252
Received: 07/18/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
ENV-B12B-5 (13-07-1226-16)						
Arsenic	11.5		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	127		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.585		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.23		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	34.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.64		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.09		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.387		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	54.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	49.8		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0284	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	0.65	B,J	0.24*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	2.2		0.80	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.49	J	0.17*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	260	E	0.80	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	420		38	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	2.2		0.80	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.3		0.80	ug/kg	EPA 8260B	EPA 5035
1,4-Dioxane	0.020		0.010	mg/kg	EPA 8270C(M) Isotope Dilution	EPA 3545

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-2.5	**13-07-1226-1-A**	**07/18/13 08:30**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:11**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.53	0.750	0.259	1	
Barium	110	0.500	0.154	1	
Beryllium	0.448	0.250	0.137	1	
Cadmium	1.30	0.500	0.135	1	
Chromium	31.2	0.250	0.142	1	
Cobalt	9.09	0.250	0.148	1	
Copper	159	0.500	0.135	1	
Lead	9.84	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	21.4	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.165	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	36.8	0.250	0.141	1	
Zinc	68.9	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-5	**13-07-1226-2-A**	**07/18/13 08:35**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:12**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	11.6	0.750	0.259	1	
Barium	153	0.500	0.154	1	
Beryllium	0.506	0.250	0.137	1	
Cadmium	0.799	0.500	0.135	1	
Chromium	30.5	0.250	0.142	1	
Cobalt	12.0	0.250	0.148	1	
Copper	23.2	0.500	0.135	1	
Lead	4.23	0.500	0.132	1	
Molybdenum	0.778	0.250	0.132	1	
Nickel	26.4	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	45.4	0.250	0.141	1	
Zinc	48.4	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B4B-2.5	**13-07-1226-3-A**	**07/18/13 09:26**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:13**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.02	0.750	0.259	1	
Barium	81.1	0.500	0.154	1	
Beryllium	0.474	0.250	0.137	1	
Cadmium	0.920	0.500	0.135	1	
Chromium	32.6	0.250	0.142	1	
Cobalt	8.11	0.250	0.148	1	
Copper	27.9	0.500	0.135	1	
Lead	3.90	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	22.3	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	43.8	0.250	0.141	1	
Zinc	46.9	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B4B-5	**13-07-1226-4-A**	**07/18/13 09:30**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:14**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	9.60	0.750	0.259	1	
Barium	115	0.500	0.154	1	
Beryllium	0.534	0.250	0.137	1	
Cadmium	1.33	0.500	0.135	1	
Chromium	28.9	0.250	0.142	1	
Cobalt	7.01	0.250	0.148	1	
Copper	25.1	0.500	0.135	1	
Lead	4.30	0.500	0.132	1	
Molybdenum	1.01	0.250	0.132	1	
Nickel	23.8	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	38.1	0.250	0.141	1	
Zinc	48.0	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-2.5	**13-07-1226-5-A**	**07/18/13 09:35**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:15**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.73	0.750	0.259	1	
Barium	118	0.500	0.154	1	
Beryllium	0.542	0.250	0.137	1	
Cadmium	1.27	0.500	0.135	1	
Chromium	33.2	0.250	0.142	1	
Cobalt	9.50	0.250	0.148	1	
Copper	101	0.500	0.135	1	
Lead	10.0	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	22.6	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	40.1	0.250	0.141	1	
Zinc	69.9	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-5	**13-07-1226-6-A**	**07/18/13 09:40**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:19**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	11.3	0.750	0.259	1	
Barium	152	0.500	0.154	1	
Beryllium	0.505	0.250	0.137	1	
Cadmium	0.784	0.500	0.135	1	
Chromium	30.4	0.250	0.142	1	
Cobalt	12.0	0.250	0.148	1	
Copper	23.0	0.500	0.135	1	
Lead	4.28	0.500	0.132	1	
Molybdenum	0.799	0.250	0.132	1	
Nickel	26.4	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	45.2	0.250	0.141	1	
Zinc	48.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252 Page 7 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW3B-2.5	**13-07-1226-7-A**	**07/18/13 12:10**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:20**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	5.60	0.750	0.259	1	
Barium	111	0.500	0.154	1	
Beryllium	0.381	0.250	0.137	1	
Cadmium	1.37	0.500	0.135	1	
Chromium	30.8	0.250	0.142	1	
Cobalt	6.83	0.250	0.148	1	
Copper	183	0.500	0.135	1	
Lead	15.5	0.500	0.132	1	
Molybdenum	1.12	0.250	0.132	1	
Nickel	18.3	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.221	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	35.7	0.250	0.141	1	
Zinc	77.2	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW3B-5	**13-07-1226-8-A**	**07/18/13 12:15**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:22**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	8.83	0.750	0.259	1	
Barium	126	0.500	0.154	1	
Beryllium	0.282	0.250	0.137	1	
Cadmium	1.40	0.500	0.135	1	
Chromium	24.0	0.250	0.142	1	
Cobalt	7.21	0.250	0.148	1	
Copper	165	0.500	0.135	1	
Lead	65.4	0.500	0.132	1	
Molybdenum	2.77	0.250	0.132	1	
Nickel	16.4	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.120	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	40.0	0.250	0.141	1	
Zinc	246	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B39B-2.5	**13-07-1226-9-A**	**07/18/13 13:15**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:23**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	5.62	0.750	0.259	1	
Barium	120	0.500	0.154	1	
Beryllium	0.506	0.250	0.137	1	
Cadmium	1.47	0.500	0.135	1	
Chromium	37.2	0.250	0.142	1	
Cobalt	9.49	0.250	0.148	1	
Copper	211	0.500	0.135	1	
Lead	27.9	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	23.9	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	41.4	0.250	0.141	1	
Zinc	87.1	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B39B-5	**13-07-1226-10-A**	**07/18/13 13:20**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:24**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	10.9	0.750	0.259	1	
Barium	133	0.500	0.154	1	
Beryllium	0.458	0.250	0.137	1	
Cadmium	1.01	0.500	0.135	1	
Chromium	29.2	0.250	0.142	1	
Cobalt	7.44	0.250	0.148	1	
Copper	21.9	0.500	0.135	1	
Lead	3.82	0.500	0.132	1	
Molybdenum	0.872	0.250	0.132	1	
Nickel	24.2	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	53.0	0.250	0.141	1	
Zinc	39.6	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B38B-2.5	**13-07-1226-11-A**	**07/18/13 12:45**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:25**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	5.67	0.750	0.259	1	
Barium	87.7	0.500	0.154	1	
Beryllium	0.424	0.250	0.137	1	
Cadmium	0.962	0.500	0.135	1	
Chromium	27.5	0.250	0.142	1	
Cobalt	8.79	0.250	0.148	1	
Copper	26.3	0.500	0.135	1	
Lead	3.59	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	19.2	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	41.1	0.250	0.141	1	
Zinc	42.6	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B38B-5	**13-07-1226-12-A**	**07/18/13 12:50**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:26**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	9.53	0.750	0.259	1	
Barium	62.2	0.500	0.154	1	
Beryllium	0.551	0.250	0.137	1	
Cadmium	0.551	0.500	0.135	1	
Chromium	29.2	0.250	0.142	1	
Cobalt	8.89	0.250	0.148	1	
Copper	23.6	0.500	0.135	1	
Lead	4.63	0.500	0.132	1	
Molybdenum	2.55	0.250	0.132	1	
Nickel	25.1	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	44.2	0.250	0.141	1	
Zinc	47.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW1B-2.5	**13-07-1226-13-A**	**07/18/13 13:30**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:27**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	3.57	0.750	0.259	1	
Barium	112	0.500	0.154	1	
Beryllium	0.505	0.250	0.137	1	
Cadmium	0.929	0.500	0.135	1	
Chromium	24.4	0.250	0.142	1	
Cobalt	8.70	0.250	0.148	1	
Copper	77.9	0.500	0.135	1	
Lead	18.8	0.500	0.132	1	
Molybdenum	0.383	0.250	0.132	1	
Nickel	16.1	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	37.6	0.250	0.141	1	
Zinc	61.2	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW1B-5	**13-07-1226-14-A**	**07/18/13 13:35**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:29**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	14.5	0.750	0.259	1	
Barium	150	0.500	0.154	1	
Beryllium	0.741	0.250	0.137	1	
Cadmium	1.41	0.500	0.135	1	
Chromium	43.8	0.250	0.142	1	
Cobalt	12.4	0.250	0.148	1	
Copper	40.3	0.500	0.135	1	
Lead	5.56	0.500	0.132	1	
Molybdenum	1.94	0.250	0.132	1	
Nickel	37.0	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	68.7	0.250	0.141	1	
Zinc	61.1	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252 Page 15 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-2.5	**13-07-1226-15-A**	**07/18/13 10:20**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:30**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.77	0.750	0.259	1	
Barium	112	0.500	0.154	1	
Beryllium	0.428	0.250	0.137	1	
Cadmium	1.14	0.500	0.135	1	
Chromium	28.6	0.250	0.142	1	
Cobalt	8.89	0.250	0.148	1	
Copper	130	0.500	0.135	1	
Lead	13.7	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	20.6	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.166	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	35.7	0.250	0.141	1	
Zinc	68.4	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-5	**13-07-1226-16-A**	**07/18/13 10:25**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 20:34**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	11.5	0.750	0.259	1	
Barium	127	0.500	0.154	1	
Beryllium	0.585	0.250	0.137	1	
Cadmium	1.23	0.500	0.135	1	
Chromium	34.0	0.250	0.142	1	
Cobalt	10.4	0.250	0.148	1	
Copper	34.0	0.500	0.135	1	
Lead	4.64	0.500	0.132	1	
Molybdenum	4.09	0.250	0.132	1	
Nickel	30.0	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.387	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	54.1	0.250	0.141	1	
Zinc	49.8	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252 Page 17 of 17

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-17075**	**N/A**	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 19:05**	**130722L11**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	ND	0.750	0.259	1	
Barium	ND	0.500	0.154	1	
Beryllium	ND	0.250	0.137	1	
Cadmium	ND	0.500	0.135	1	
Chromium	ND	0.250	0.142	1	
Cobalt	ND	0.250	0.148	1	
Copper	ND	0.500	0.135	1	
Lead	ND	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	ND	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	ND	0.250	0.141	1	
Zinc	ND	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-2.5	**13-07-1226-1-A**	**07/18/13 08:30**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:08**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0562	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-5	**13-07-1226-2-A**	**07/18/13 08:35**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:10**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.00931	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B4B-2.5	**13-07-1226-3-A**	**07/18/13 09:26**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:12**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0266	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B4B-5	**13-07-1226-4-A**	**07/18/13 09:30**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:14**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0185	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-2.5	**13-07-1226-5-A**	**07/18/13 09:35**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:16**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0227	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-5	**13-07-1226-6-A**	**07/18/13 09:40**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:19**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0145	0.0835	0.00588	1	J

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW3B-2.5	**13-07-1226-7-A**	**07/18/13 12:10**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:25**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0718	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW3B-5	**13-07-1226-8-A**	**07/18/13 12:15**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:27**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0466	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B39B-2.5	**13-07-1226-9-A**	**07/18/13 13:15**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:30**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0682	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B39B-5	**13-07-1226-10-A**	**07/18/13 13:20**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:32**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0108	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B38B-2.5	**13-07-1226-11-A**	**07/18/13 12:45**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:34**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.00920	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B38B-5	**13-07-1226-12-A**	**07/18/13 12:50**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:36**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0117	0.0835	0.00588	1	J

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW1B-2.5	**13-07-1226-13-A**	**07/18/13 13:30**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:39**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0759	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW1B-5	**13-07-1226-14-A**	**07/18/13 13:35**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:41**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0288	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-2.5	**13-07-1226-15-A**	**07/18/13 10:20**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:43**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0228	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-5	**13-07-1226-16-A**	**07/18/13 10:25**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:45**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0284	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-007-9459**	**N/A**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 14:16**	**130722L07**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-2.5	**13-07-1226-1-A**	**07/18/13 08:30**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 18:46**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	56	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-5	**13-07-1226-2-A**	**07/18/13 08:35**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 13:20**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	49	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B4B-2.5	**13-07-1226-3-A**	**07/18/13 09:26**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 13:38**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	54	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B4B-5	**13-07-1226-4-A**	**07/18/13 09:30**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 13:57**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	57	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-2.5	**13-07-1226-5-A**	**07/18/13 09:35**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 14:16**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	57	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-5	**13-07-1226-6-A**	**07/18/13 09:40**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 14:34**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	43	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW3B-2.5	**13-07-1226-7-A**	**07/18/13 12:10**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 14:53**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	53	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW3B-5	**13-07-1226-8-A**	**07/18/13 12:15**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 15:12**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	28	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B39B-2.5	**13-07-1226-9-A**	**07/18/13 13:15**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 15:30**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	40	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B39B-5	**13-07-1226-10-A**	**07/18/13 13:20**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 15:50**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	59	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B38B-2.5	**13-07-1226-11-A**	**07/18/13 12:45**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 16:08**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	49	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B38B-5	**13-07-1226-12-A**	**07/18/13 12:50**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 16:26**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	50	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW1B-2.5	**13-07-1226-13-A**	**07/18/13 13:30**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 16:46**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.10	0.014	4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	41	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW1B-5	**13-07-1226-14-A**	**07/18/13 13:35**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/25/13 12:41**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	27	28-139	2,6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-2.5	**13-07-1226-15-A**	**07/18/13 10:20**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/25/13 13:00**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	0.013	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	32	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-5	**13-07-1226-16-A**	**07/18/13 10:25**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/25/13 13:19**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	0.020	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	39	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-111**	**N/A**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 12:06**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	58	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-2.5	**13-07-1226-1-C**	**07/18/13 08:30**	**Soil**	**GC/MS V V**	**07/18/13**	**07/22/13 18:08**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	87	47	5.8	0.933	
Benzene	1.8	0.93	0.12	0.933	
Bromobenzene	ND	0.93	0.20	0.933	
Bromochloromethane	ND	1.9	0.64	0.933	
Bromodichloromethane	ND	0.93	0.22	0.933	
Bromoform	ND	4.7	0.74	0.933	
Bromomethane	ND	19	8.8	0.933	
2-Butanone	5.9	19	3.5	0.933	J
n-Butylbenzene	ND	0.93	0.15	0.933	
sec-Butylbenzene	ND	0.93	0.54	0.933	
tert-Butylbenzene	ND	0.93	0.14	0.933	
Carbon Disulfide	0.84	9.3	0.29	0.933	B,J
Carbon Tetrachloride	ND	0.93	0.26	0.933	
Chlorobenzene	ND	0.93	0.21	0.933	
Chloroethane	ND	1.9	1.4	0.933	
Chloroform	ND	0.93	0.22	0.933	
Chloromethane	ND	19	0.28	0.933	
2-Chlorotoluene	ND	0.93	0.22	0.933	
4-Chlorotoluene	ND	0.93	0.20	0.933	
Dibromochloromethane	ND	1.9	0.53	0.933	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.933	
1,2-Dibromoethane	ND	0.93	0.24	0.933	
Dibromomethane	ND	0.93	0.72	0.933	
1,2-Dichlorobenzene	1.0	0.93	0.21	0.933	
1,3-Dichlorobenzene	ND	0.93	0.16	0.933	
1,4-Dichlorobenzene	ND	0.93	0.21	0.933	
Dichlorodifluoromethane	ND	1.9	0.41	0.933	
1,1-Dichloroethane	0.38	0.93	0.20	0.933	J
1,2-Dichloroethane	ND	0.93	0.29	0.933	
1,1-Dichloroethene	ND	0.93	0.32	0.933	
c-1,2-Dichloroethene	2.5	0.93	0.26	0.933	
t-1,2-Dichloroethene	ND	0.93	0.47	0.933	
1,2-Dichloropropane	ND	0.93	0.41	0.933	
1,3-Dichloropropane	ND	0.93	0.24	0.933	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.933	
1,1-Dichloropropene	ND	1.9	0.31	0.933	
c-1,3-Dichloropropene	ND	0.93	0.24	0.933	
t-1,3-Dichloropropene	ND	1.9	0.57	0.933	
Ethylbenzene	ND	0.93	0.14	0.933	
2-Hexanone	ND	19	1.6	0.933	
Isopropylbenzene	ND	0.93	0.51	0.933	
p-Isopropyltoluene	ND	0.93	0.59	0.933	
Methylene Chloride	ND	9.3	1.2	0.933	
4-Methyl-2-Pentanone	ND	19	4.0	0.933	
Naphthalene	ND	9.3	0.76	0.933	
n-Propylbenzene	ND	1.9	0.47	0.933	
Styrene	ND	0.93	0.56	0.933	
1,1,1,2-Tetrachloroethane	ND	0.93	0.22	0.933	
1,1,2,2-Tetrachloroethane	ND	1.9	0.32	0.933	
Tetrachloroethene	1600	0.93	0.20	0.933	E
Toluene	1.2	0.93	0.48	0.933	
1,2,3-Trichlorobenzene	ND	1.9	0.85	0.933	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.933	
1,1,1-Trichloroethane	6.9	0.93	0.21	0.933	
1,1,2-Trichloroethane	ND	0.93	0.33	0.933	
1,1,2-Trichloro-1,2,2-Trifluoroethane	3.2	9.3	0.33	0.933	J
Trichloroethene	46	1.9	0.28	0.933	
Trichlorofluoromethane	ND	9.3	0.35	0.933	
1,2,3-Trichloropropane	ND	1.9	0.77	0.933	
1,2,4-Trimethylbenzene	ND	1.9	0.55	0.933	
1,3,5-Trimethylbenzene	ND	1.9	0.51	0.933	
Vinyl Acetate	ND	9.3	4.4	0.933	
Vinyl Chloride	ND	0.93	0.47	0.933	
p/m-Xylene	ND	1.9	0.25	0.933	
o-Xylene	ND	0.93	0.52	0.933	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.933	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	80	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	121	71-155	
Toluene-d8	92	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252 Page 3 of 49

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-2.5	**13-07-1226-1-E**	**07/18/13 08:30**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 15:22**	**130723L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	4300	42	8.8	41.8	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	111	71-155	
Toluene-d8	96	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-5	**13-07-1226-2-C**	**07/18/13 08:35**	**Soil**	**GC/MS V V**	**07/18/13**	**07/22/13 18:38**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	14	47	5.8	0.936	J
Benzene	ND	0.94	0.12	0.936	
Bromobenzene	ND	0.94	0.20	0.936	
Bromochloromethane	ND	1.9	0.65	0.936	
Bromodichloromethane	ND	0.94	0.22	0.936	
Bromoform	ND	4.7	0.74	0.936	
Bromomethane	ND	19	8.8	0.936	
2-Butanone	ND	19	3.5	0.936	
n-Butylbenzene	ND	0.94	0.15	0.936	
sec-Butylbenzene	ND	0.94	0.54	0.936	
tert-Butylbenzene	ND	0.94	0.14	0.936	
Carbon Disulfide	0.68	9.4	0.29	0.936	B,J
Carbon Tetrachloride	ND	0.94	0.26	0.936	
Chlorobenzene	ND	0.94	0.21	0.936	
Chloroethane	ND	1.9	1.4	0.936	
Chloroform	ND	0.94	0.22	0.936	
Chloromethane	ND	19	0.28	0.936	
2-Chlorotoluene	ND	0.94	0.22	0.936	
4-Chlorotoluene	ND	0.94	0.20	0.936	
Dibromochloromethane	ND	1.9	0.53	0.936	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.936	
1,2-Dibromoethane	ND	0.94	0.24	0.936	
Dibromomethane	ND	0.94	0.73	0.936	
1,2-Dichlorobenzene	ND	0.94	0.21	0.936	
1,3-Dichlorobenzene	ND	0.94	0.16	0.936	
1,4-Dichlorobenzene	ND	0.94	0.21	0.936	
Dichlorodifluoromethane	ND	1.9	0.42	0.936	
1,1-Dichloroethane	ND	0.94	0.20	0.936	
1,2-Dichloroethane	ND	0.94	0.29	0.936	
1,1-Dichloroethene	ND	0.94	0.32	0.936	
c-1,2-Dichloroethene	0.73	0.94	0.26	0.936	J
t-1,2-Dichloroethene	ND	0.94	0.47	0.936	
1,2-Dichloropropane	ND	0.94	0.41	0.936	
1,3-Dichloropropane	ND	0.94	0.24	0.936	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.936	
1,1-Dichloropropene	ND	1.9	0.31	0.936	
c-1,3-Dichloropropene	ND	0.94	0.24	0.936	
t-1,3-Dichloropropene	ND	1.9	0.57	0.936	
Ethylbenzene	ND	0.94	0.14	0.936	
2-Hexanone	ND	19	1.6	0.936	
Isopropylbenzene	ND	0.94	0.51	0.936	
p-Isopropyltoluene	ND	0.94	0.59	0.936	
Methylene Chloride	ND	9.4	1.3	0.936	
4-Methyl-2-Pentanone	ND	19	4.0	0.936	
Naphthalene	ND	9.4	0.76	0.936	
n-Propylbenzene	ND	1.9	0.47	0.936	
Styrene	ND	0.94	0.57	0.936	
1,1,1,2-Tetrachloroethane	ND	0.94	0.22	0.936	
1,1,2,2-Tetrachloroethane	ND	1.9	0.32	0.936	
Tetrachloroethene	200	0.94	0.20	0.936	E
Toluene	ND	0.94	0.48	0.936	
1,2,3-Trichlorobenzene	ND	1.9	0.85	0.936	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.936	
1,1,1-Trichloroethane	0.57	0.94	0.21	0.936	J
1,1,2-Trichloroethane	ND	0.94	0.33	0.936	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.4	9.4	0.33	0.936	J
Trichloroethene	5.4	1.9	0.28	0.936	
Trichlorofluoromethane	ND	9.4	0.35	0.936	
1,2,3-Trichloropropane	ND	1.9	0.78	0.936	
1,2,4-Trimethylbenzene	ND	1.9	0.55	0.936	
1,3,5-Trimethylbenzene	ND	1.9	0.51	0.936	
Vinyl Acetate	ND	9.4	4.4	0.936	
Vinyl Chloride	ND	0.94	0.47	0.936	
p/m-Xylene	ND	1.9	0.25	0.936	
o-Xylene	ND	0.94	0.52	0.936	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.936	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	93	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1226
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 6 of 49

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B10B-5	**13-07-1226-2-E**	**07/18/13 08:35**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 18:22**	**130723L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	340	41	8.7	41.3	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	113	79-133	
1,2-Dichloroethane-d4	118	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B4B-2.5	**13-07-1226-3-C**	**07/18/13 09:26**	**Soil**	**GC/MS V V**	**07/18/13**	**07/22/13 19:08**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	11	44	5.4	0.873	J
Benzene	0.29	0.87	0.11	0.873	J
Bromobenzene	ND	0.87	0.18	0.873	
Bromochloromethane	ND	1.7	0.60	0.873	
Bromodichloromethane	ND	0.87	0.20	0.873	
Bromoform	ND	4.4	0.69	0.873	
Bromomethane	ND	17	8.2	0.873	
2-Butanone	ND	17	3.3	0.873	
n-Butylbenzene	ND	0.87	0.14	0.873	
sec-Butylbenzene	ND	0.87	0.50	0.873	
tert-Butylbenzene	ND	0.87	0.13	0.873	
Carbon Disulfide	0.57	8.7	0.27	0.873	B,J
Carbon Tetrachloride	ND	0.87	0.25	0.873	
Chlorobenzene	ND	0.87	0.20	0.873	
Chloroethane	ND	1.7	1.3	0.873	
Chloroform	ND	0.87	0.21	0.873	
Chloromethane	ND	17	0.27	0.873	
2-Chlorotoluene	ND	0.87	0.20	0.873	
4-Chlorotoluene	ND	0.87	0.19	0.873	
Dibromochloromethane	ND	1.7	0.50	0.873	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.873	
1,2-Dibromoethane	ND	0.87	0.22	0.873	
Dibromomethane	ND	0.87	0.68	0.873	
1,2-Dichlorobenzene	ND	0.87	0.20	0.873	
1,3-Dichlorobenzene	ND	0.87	0.15	0.873	
1,4-Dichlorobenzene	ND	0.87	0.19	0.873	
Dichlorodifluoromethane	ND	1.7	0.39	0.873	
1,1-Dichloroethane	0.19	0.87	0.18	0.873	J
1,2-Dichloroethane	ND	0.87	0.27	0.873	
1,1-Dichloroethene	ND	0.87	0.30	0.873	
c-1,2-Dichloroethene	2.5	0.87	0.24	0.873	
t-1,2-Dichloroethene	ND	0.87	0.44	0.873	
1,2-Dichloropropane	ND	0.87	0.38	0.873	
1,3-Dichloropropane	ND	0.87	0.22	0.873	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.873	
1,1-Dichloropropene	ND	1.7	0.29	0.873	
c-1,3-Dichloropropene	ND	0.87	0.22	0.873	
t-1,3-Dichloropropene	ND	1.7	0.53	0.873	
Ethylbenzene	ND	0.87	0.13	0.873	
2-Hexanone	ND	17	1.5	0.873	
Isopropylbenzene	ND	0.87	0.48	0.873	
p-Isopropyltoluene	ND	0.87	0.55	0.873	
Methylene Chloride	ND	8.7	1.2	0.873	
4-Methyl-2-Pentanone	ND	17	3.8	0.873	
Naphthalene	ND	8.7	0.71	0.873	
n-Propylbenzene	ND	1.7	0.44	0.873	
Styrene	ND	0.87	0.53	0.873	
1,1,1,2-Tetrachloroethane	ND	0.87	0.21	0.873	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	0.873	
Tetrachloroethene	19	0.87	0.18	0.873	
Toluene	ND	0.87	0.45	0.873	
1,2,3-Trichlorobenzene	ND	1.7	0.80	0.873	
1,2,4-Trichlorobenzene	ND	1.7	0.27	0.873	
1,1,1-Trichloroethane	ND	0.87	0.20	0.873	
1,1,2-Trichloroethane	ND	0.87	0.31	0.873	
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.1	8.7	0.31	0.873	J
Trichloroethene	71	1.7	0.26	0.873	
Trichlorofluoromethane	ND	8.7	0.33	0.873	
1,2,3-Trichloropropane	ND	1.7	0.72	0.873	
1,2,4-Trimethylbenzene	ND	1.7	0.51	0.873	
1,3,5-Trimethylbenzene	ND	1.7	0.48	0.873	
Vinyl Acetate	ND	8.7	4.1	0.873	
Vinyl Chloride	ND	0.87	0.44	0.873	
p/m-Xylene	ND	1.7	0.23	0.873	
o-Xylene	ND	0.87	0.49	0.873	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.26	0.873	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	123	71-155	
Toluene-d8	92	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B4B-5	**13-07-1226-4-C**	**07/18/13 09:30**	**Soil**	**GC/MS V V**	**07/18/13**	**07/22/13 19:38**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	41	5.1	0.821	
Benzene	ND	0.82	0.11	0.821	
Bromobenzene	ND	0.82	0.17	0.821	
Bromochloromethane	ND	1.6	0.57	0.821	
Bromodichloromethane	ND	0.82	0.19	0.821	
Bromoform	ND	4.1	0.65	0.821	
Bromomethane	ND	16	7.7	0.821	
2-Butanone	ND	16	3.1	0.821	
n-Butylbenzene	ND	0.82	0.13	0.821	
sec-Butylbenzene	ND	0.82	0.47	0.821	
tert-Butylbenzene	ND	0.82	0.12	0.821	
Carbon Disulfide	0.54	8.2	0.25	0.821	B,J
Carbon Tetrachloride	ND	0.82	0.23	0.821	
Chlorobenzene	ND	0.82	0.18	0.821	
Chloroethane	ND	1.6	1.2	0.821	
Chloroform	ND	0.82	0.20	0.821	
Chloromethane	ND	16	0.25	0.821	
2-Chlorotoluene	ND	0.82	0.19	0.821	
4-Chlorotoluene	ND	0.82	0.17	0.821	
Dibromochloromethane	ND	1.6	0.47	0.821	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.821	
1,2-Dibromoethane	ND	0.82	0.21	0.821	
Dibromomethane	ND	0.82	0.64	0.821	
1,2-Dichlorobenzene	ND	0.82	0.19	0.821	
1,3-Dichlorobenzene	ND	0.82	0.14	0.821	
1,4-Dichlorobenzene	ND	0.82	0.18	0.821	
Dichlorodifluoromethane	ND	1.6	0.36	0.821	
1,1-Dichloroethane	0.53	0.82	0.17	0.821	J
1,2-Dichloroethane	ND	0.82	0.26	0.821	
1,1-Dichloroethene	ND	0.82	0.28	0.821	
c-1,2-Dichloroethene	2.8	0.82	0.23	0.821	
t-1,2-Dichloroethene	ND	0.82	0.42	0.821	
1,2-Dichloropropane	ND	0.82	0.36	0.821	
1,3-Dichloropropane	ND	0.82	0.21	0.821	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.821	
1,1-Dichloropropene	ND	1.6	0.27	0.821	
c-1,3-Dichloropropene	ND	0.82	0.21	0.821	
t-1,3-Dichloropropene	ND	1.6	0.50	0.821	
Ethylbenzene	ND	0.82	0.12	0.821	
2-Hexanone	ND	16	1.4	0.821	
Isopropylbenzene	ND	0.82	0.45	0.821	
p-Isopropyltoluene	ND	0.82	0.52	0.821	
Methylene Chloride	ND	8.2	1.1	0.821	
4-Methyl-2-Pentanone	ND	16	3.5	0.821	
Naphthalene	ND	8.2	0.67	0.821	
n-Propylbenzene	ND	1.6	0.41	0.821	
Styrene	ND	0.82	0.50	0.821	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	0.821	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.821	
Tetrachloroethene	3.3	0.82	0.17	0.821	
Toluene	ND	0.82	0.42	0.821	
1,2,3-Trichlorobenzene	ND	1.6	0.75	0.821	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.821	
1,1,1-Trichloroethane	ND	0.82	0.18	0.821	
1,1,2-Trichloroethane	ND	0.82	0.29	0.821	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	0.821	
Trichloroethene	20	1.6	0.25	0.821	
Trichlorofluoromethane	ND	8.2	0.31	0.821	
1,2,3-Trichloropropane	ND	1.6	0.68	0.821	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.821	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.821	
Vinyl Acetate	ND	8.2	3.9	0.821	
Vinyl Chloride	ND	0.82	0.41	0.821	
p/m-Xylene	ND	1.6	0.22	0.821	
o-Xylene	ND	0.82	0.46	0.821	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.821	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	123	71-155	
Toluene-d8	91	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-2.5	**13-07-1226-5-C**	**07/18/13 09:35**	**Soil**	**GC/MS V V**	**07/18/13**	**07/22/13 20:08**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	58	50	6.2	0.99	
Benzene	1.6	0.99	0.13	0.99	
Bromobenzene	ND	0.99	0.21	0.99	
Bromochloromethane	ND	2.0	0.68	0.99	
Bromodichloromethane	ND	0.99	0.23	0.99	
Bromoform	ND	5.0	0.79	0.99	
Bromomethane	ND	20	9.3	0.99	
2-Butanone	11	20	3.7	0.99	J
n-Butylbenzene	ND	0.99	0.15	0.99	
sec-Butylbenzene	ND	0.99	0.57	0.99	
tert-Butylbenzene	ND	0.99	0.15	0.99	
Carbon Disulfide	1.2	9.9	0.30	0.99	B,J
Carbon Tetrachloride	ND	0.99	0.28	0.99	
Chlorobenzene	0.63	0.99	0.22	0.99	J
Chloroethane	ND	2.0	1.5	0.99	
Chloroform	ND	0.99	0.24	0.99	
Chloromethane	ND	20	0.30	0.99	
2-Chlorotoluene	ND	0.99	0.23	0.99	
4-Chlorotoluene	ND	0.99	0.21	0.99	
Dibromochloromethane	ND	2.0	0.56	0.99	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	0.99	
1,2-Dibromoethane	ND	0.99	0.25	0.99	
Dibromomethane	ND	0.99	0.77	0.99	
1,2-Dichlorobenzene	ND	0.99	0.23	0.99	
1,3-Dichlorobenzene	ND	0.99	0.17	0.99	
1,4-Dichlorobenzene	ND	0.99	0.22	0.99	
Dichlorodifluoromethane	ND	2.0	0.44	0.99	
1,1-Dichloroethane	3.5	0.99	0.21	0.99	
1,2-Dichloroethane	ND	0.99	0.31	0.99	
1,1-Dichloroethene	ND	0.99	0.34	0.99	
c-1,2-Dichloroethene	580	0.99	0.28	0.99	E
t-1,2-Dichloroethene	12	0.99	0.50	0.99	
1,2-Dichloropropane	ND	0.99	0.43	0.99	
1,3-Dichloropropane	ND	0.99	0.25	0.99	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	0.99	
1,1-Dichloropropene	ND	2.0	0.33	0.99	
c-1,3-Dichloropropene	ND	0.99	0.25	0.99	
t-1,3-Dichloropropene	ND	2.0	0.60	0.99	
Ethylbenzene	ND	0.99	0.15	0.99	
2-Hexanone	ND	20	1.7	0.99	
Isopropylbenzene	ND	0.99	0.54	0.99	
p-Isopropyltoluene	ND	0.99	0.62	0.99	
Methylene Chloride	ND	9.9	1.3	0.99	
4-Methyl-2-Pentanone	ND	20	4.3	0.99	
Naphthalene	ND	9.9	0.81	0.99	
n-Propylbenzene	ND	2.0	0.50	0.99	
Styrene	ND	0.99	0.60	0.99	
1,1,1,2-Tetrachloroethane	ND	0.99	0.24	0.99	
1,1,2,2-Tetrachloroethane	ND	2.0	0.34	0.99	
Tetrachloroethene	ND	0.99	0.21	0.99	
Toluene	0.78	0.99	0.51	0.99	J
1,2,3-Trichlorobenzene	ND	2.0	0.90	0.99	
1,2,4-Trichlorobenzene	ND	2.0	0.31	0.99	
1,1,1-Trichloroethane	ND	0.99	0.22	0.99	
1,1,2-Trichloroethane	ND	0.99	0.35	0.99	
1,1,2-Trichloro-1,2,2-Trifluoroethane	3.9	9.9	0.35	0.99	J
Trichloroethene	0.87	2.0	0.30	0.99	J
Trichlorofluoromethane	ND	9.9	0.37	0.99	
1,2,3-Trichloropropane	ND	2.0	0.82	0.99	
1,2,4-Trimethylbenzene	ND	2.0	0.58	0.99	
1,3,5-Trimethylbenzene	ND	2.0	0.54	0.99	
Vinyl Acetate	ND	9.9	4.7	0.99	
Vinyl Chloride	ND	0.99	0.50	0.99	
p/m-Xylene	ND	2.0	0.27	0.99	
o-Xylene	ND	0.99	0.55	0.99	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.29	0.99	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	123	71-155	
Toluene-d8	91	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252 Page 13 of 49

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-2.5	**13-07-1226-5-E**	**07/18/13 09:35**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 18:52**	**130723L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
c-1,2-Dichloroethene	4300	44	12	44.1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	116	71-155	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-5	**13-07-1226-6-C**	**07/18/13 09:40**	**Soil**	**GC/MS V V**	**07/18/13**	**07/22/13 20:38**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	41	5.1	0.825	
Benzene	ND	0.82	0.11	0.825	
Bromobenzene	ND	0.82	0.17	0.825	
Bromochloromethane	ND	1.6	0.57	0.825	
Bromodichloromethane	ND	0.82	0.19	0.825	
Bromoform	ND	4.1	0.66	0.825	
Bromomethane	ND	16	7.8	0.825	
2-Butanone	ND	16	3.1	0.825	
n-Butylbenzene	ND	0.82	0.13	0.825	
sec-Butylbenzene	ND	0.82	0.48	0.825	
tert-Butylbenzene	ND	0.82	0.12	0.825	
Carbon Disulfide	0.52	8.2	0.25	0.825	B,J
Carbon Tetrachloride	ND	0.82	0.23	0.825	
Chlorobenzene	ND	0.82	0.18	0.825	
Chloroethane	ND	1.6	1.2	0.825	
Chloroform	ND	0.82	0.20	0.825	
Chloromethane	ND	16	0.25	0.825	
2-Chlorotoluene	ND	0.82	0.19	0.825	
4-Chlorotoluene	ND	0.82	0.18	0.825	
Dibromochloromethane	ND	1.6	0.47	0.825	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.825	
1,2-Dibromoethane	ND	0.82	0.21	0.825	
Dibromomethane	ND	0.82	0.64	0.825	
1,2-Dichlorobenzene	ND	0.82	0.19	0.825	
1,3-Dichlorobenzene	ND	0.82	0.15	0.825	
1,4-Dichlorobenzene	ND	0.82	0.18	0.825	
Dichlorodifluoromethane	ND	1.6	0.37	0.825	
1,1-Dichloroethane	1.7	0.82	0.17	0.825	
1,2-Dichloroethane	ND	0.82	0.26	0.825	
1,1-Dichloroethene	ND	0.82	0.29	0.825	
c-1,2-Dichloroethene	200	0.82	0.23	0.825	E
t-1,2-Dichloroethene	1.2	0.82	0.42	0.825	
1,2-Dichloropropane	ND	0.82	0.36	0.825	
1,3-Dichloropropane	ND	0.82	0.21	0.825	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.825	
1,1-Dichloropropene	ND	1.6	0.27	0.825	
c-1,3-Dichloropropene	ND	0.82	0.21	0.825	
t-1,3-Dichloropropene	ND	1.6	0.50	0.825	
Ethylbenzene	ND	0.82	0.13	0.825	
2-Hexanone	ND	16	1.5	0.825	
Isopropylbenzene	ND	0.82	0.45	0.825	
p-Isopropyltoluene	ND	0.82	0.52	0.825	
Methylene Chloride	ND	8.2	1.1	0.825	
4-Methyl-2-Pentanone	ND	16	3.6	0.825	
Naphthalene	ND	8.2	0.67	0.825	
n-Propylbenzene	ND	1.6	0.41	0.825	
Styrene	ND	0.82	0.50	0.825	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	0.825	
1,1,2,2-Tetrachloroethane	ND	1.6	0.29	0.825	
Tetrachloroethene	ND	0.82	0.17	0.825	
Toluene	ND	0.82	0.43	0.825	
1,2,3-Trichlorobenzene	ND	1.6	0.75	0.825	
1,2,4-Trichlorobenzene	ND	1.6	0.26	0.825	
1,1,1-Trichloroethane	ND	0.82	0.19	0.825	
1,1,2-Trichloroethane	ND	0.82	0.29	0.825	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	0.825	
Trichloroethene	1.1	1.6	0.25	0.825	J
Trichlorofluoromethane	ND	8.2	0.31	0.825	
1,2,3-Trichloropropane	ND	1.6	0.68	0.825	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.825	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.825	
Vinyl Acetate	ND	8.2	3.9	0.825	
Vinyl Chloride	ND	0.82	0.41	0.825	
p/m-Xylene	ND	1.6	0.22	0.825	
o-Xylene	ND	0.82	0.46	0.825	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.825	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	93	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252 Page 16 of 49

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B55B-5	**13-07-1226-6-E**	**07/18/13 09:40**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 19:22**	**130723L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
c-1,2-Dichloroethene	580	42	12	41.9	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	80-120	
Dibromofluoromethane	113	79-133	
1,2-Dichloroethane-d4	118	71-155	
Toluene-d8	98	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW3B-2.5	**13-07-1226-7-C**	**07/18/13 12:10**	**Soil**	**GC/MS V V**	**07/18/13**	**07/22/13 21:08**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	13	44	5.5	0.887	J
Benzene	1.8	0.89	0.12	0.887	
Bromobenzene	ND	0.89	0.19	0.887	
Bromochloromethane	ND	1.8	0.61	0.887	
Bromodichloromethane	ND	0.89	0.21	0.887	
Bromoform	ND	4.4	0.70	0.887	
Bromomethane	ND	18	8.4	0.887	
2-Butanone	ND	18	3.3	0.887	
n-Butylbenzene	ND	0.89	0.14	0.887	
sec-Butylbenzene	ND	0.89	0.51	0.887	
tert-Butylbenzene	ND	0.89	0.13	0.887	
Carbon Disulfide	0.55	8.9	0.27	0.887	B,J
Carbon Tetrachloride	ND	0.89	0.25	0.887	
Chlorobenzene	ND	0.89	0.20	0.887	
Chloroethane	ND	1.8	1.3	0.887	
Chloroform	ND	0.89	0.21	0.887	
Chloromethane	ND	18	0.27	0.887	
2-Chlorotoluene	ND	0.89	0.21	0.887	
4-Chlorotoluene	ND	0.89	0.19	0.887	
Dibromochloromethane	ND	1.8	0.51	0.887	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.887	
1,2-Dibromoethane	ND	0.89	0.23	0.887	
Dibromomethane	ND	0.89	0.69	0.887	
1,2-Dichlorobenzene	ND	0.89	0.20	0.887	
1,3-Dichlorobenzene	ND	0.89	0.16	0.887	
1,4-Dichlorobenzene	ND	0.89	0.20	0.887	
Dichlorodifluoromethane	ND	1.8	0.39	0.887	
1,1-Dichloroethane	ND	0.89	0.19	0.887	
1,2-Dichloroethane	ND	0.89	0.28	0.887	
1,1-Dichloroethene	ND	0.89	0.31	0.887	
c-1,2-Dichloroethene	ND	0.89	0.25	0.887	
t-1,2-Dichloroethene	ND	0.89	0.45	0.887	
1,2-Dichloropropane	ND	0.89	0.39	0.887	
1,3-Dichloropropane	ND	0.89	0.22	0.887	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.887	
1,1-Dichloropropene	ND	1.8	0.29	0.887	
c-1,3-Dichloropropene	ND	0.89	0.23	0.887	
t-1,3-Dichloropropene	ND	1.8	0.54	0.887	
Ethylbenzene	ND	0.89	0.13	0.887	
2-Hexanone	ND	18	1.6	0.887	
Isopropylbenzene	ND	0.89	0.48	0.887	
p-Isopropyltoluene	ND	0.89	0.56	0.887	
Methylene Chloride	ND	8.9	1.2	0.887	
4-Methyl-2-Pentanone	ND	18	3.8	0.887	
Naphthalene	ND	8.9	0.72	0.887	
n-Propylbenzene	ND	1.8	0.45	0.887	
Styrene	ND	0.89	0.54	0.887	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	0.887	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.887	
Tetrachloroethene	130	0.89	0.19	0.887	
Toluene	1.1	0.89	0.46	0.887	
1,2,3-Trichlorobenzene	ND	1.8	0.81	0.887	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.887	
1,1,1-Trichloroethane	ND	0.89	0.20	0.887	
1,1,2-Trichloroethane	ND	0.89	0.31	0.887	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	0.887	
Trichloroethene	2.3	1.8	0.27	0.887	
Trichlorofluoromethane	ND	8.9	0.33	0.887	
1,2,3-Trichloropropane	ND	1.8	0.74	0.887	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.887	
1,3,5-Trimethylbenzene	ND	1.8	0.49	0.887	
Vinyl Acetate	ND	8.9	4.2	0.887	
Vinyl Chloride	ND	0.89	0.45	0.887	
p/m-Xylene	ND	1.8	0.24	0.887	
o-Xylene	ND	0.89	0.49	0.887	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.887	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	120	71-155	
Toluene-d8	93	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW3B-5	**13-07-1226-8-E**	**07/18/13 12:15**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 19:52**	**130723L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2200	280	44.5	
Benzene	ND	44	5.8	44.5	
Bromobenzene	ND	44	9.3	44.5	
Bromochloromethane	ND	89	31	44.5	
Bromodichloromethane	ND	44	10	44.5	
Bromoform	ND	220	35	44.5	
Bromomethane	420	890	420	44.5	J
2-Butanone	ND	890	170	44.5	
n-Butylbenzene	ND	44	7.0	44.5	
sec-Butylbenzene	ND	44	26	44.5	
tert-Butylbenzene	ND	44	6.7	44.5	
Carbon Disulfide	22	440	14	44.5	B,J
Carbon Tetrachloride	ND	44	13	44.5	
Chlorobenzene	ND	44	10	44.5	
Chloroethane	ND	89	66	44.5	
Chloroform	ND	44	11	44.5	
Chloromethane	ND	890	14	44.5	
2-Chlorotoluene	ND	44	10	44.5	
4-Chlorotoluene	ND	44	9.5	44.5	
Dibromochloromethane	ND	89	25	44.5	
1,2-Dibromo-3-Chloropropane	ND	220	77	44.5	
1,2-Dibromoethane	ND	44	11	44.5	
Dibromomethane	ND	44	34	44.5	
1,2-Dichlorobenzene	ND	44	10	44.5	
1,3-Dichlorobenzene	ND	44	7.8	44.5	
1,4-Dichlorobenzene	ND	44	9.9	44.5	
Dichlorodifluoromethane	ND	89	20	44.5	
1,1-Dichloroethane	ND	44	9.4	44.5	
1,2-Dichloroethane	ND	44	14	44.5	
1,1-Dichloroethene	ND	44	15	44.5	
c-1,2-Dichloroethene	ND	44	12	44.5	
t-1,2-Dichloroethene	ND	44	23	44.5	
1,2-Dichloropropane	ND	44	19	44.5	
1,3-Dichloropropane	ND	44	11	44.5	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental	Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building	Work Order:	13-07-1226
Long Beach, CA 90802-3335	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Panama Site / MCGU-13-2252		Page 20 of 49

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	220	15	44.5	
1,1-Dichloropropene	ND	89	15	44.5	
c-1,3-Dichloropropene	ND	44	11	44.5	
t-1,3-Dichloropropene	ND	89	27	44.5	
Ethylbenzene	ND	44	6.7	44.5	
2-Hexanone	ND	890	78	44.5	
Isopropylbenzene	ND	44	24	44.5	
p-Isopropyltoluene	ND	44	28	44.5	
Methylene Chloride	ND	440	60	44.5	
4-Methyl-2-Pentanone	ND	890	190	44.5	
Naphthalene	ND	440	36	44.5	
n-Propylbenzene	ND	89	22	44.5	
Styrene	ND	44	27	44.5	
1,1,1,2-Tetrachloroethane	ND	44	11	44.5	
1,1,2,2-Tetrachloroethane	ND	89	15	44.5	
Tetrachloroethene	14000	44	9.3	44.5	E
Toluene	ND	44	23	44.5	
1,2,3-Trichlorobenzene	ND	89	41	44.5	
1,2,4-Trichlorobenzene	ND	89	14	44.5	
1,1,1-Trichloroethane	ND	44	10	44.5	
1,1,2-Trichloroethane	ND	44	16	44.5	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	440	16	44.5	
Trichloroethene	230	89	13	44.5	
Trichlorofluoromethane	ND	440	17	44.5	
1,2,3-Trichloropropane	ND	89	37	44.5	
1,2,4-Trimethylbenzene	ND	89	26	44.5	
1,3,5-Trimethylbenzene	ND	89	24	44.5	
Vinyl Acetate	ND	440	210	44.5	
Vinyl Chloride	ND	44	22	44.5	
p/m-Xylene	ND	89	12	44.5	
o-Xylene	ND	44	25	44.5	
Methyl-t-Butyl Ether (MTBE)	ND	89	13	44.5	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	112	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1226
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 21 of 49

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW3B-5	**13-07-1226-8-E**	**07/18/13 12:15**	**Soil**	**GC/MS V V**	**07/18/13**	**07/24/13 14:00**	**130724L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Tetrachloroethene	15000	220	47	222	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B39B-2.5	**13-07-1226-9-D**	**07/18/13 13:15**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 15:52**	**130723L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	63	41	5.2	0.829	
Benzene	2.6	0.83	0.11	0.829	
Bromobenzene	ND	0.83	0.17	0.829	
Bromochloromethane	ND	1.7	0.57	0.829	
Bromodichloromethane	ND	0.83	0.19	0.829	
Bromoform	ND	4.1	0.66	0.829	
Bromomethane	ND	17	7.8	0.829	
2-Butanone	14	17	3.1	0.829	J
n-Butylbenzene	ND	0.83	0.13	0.829	
sec-Butylbenzene	ND	0.83	0.48	0.829	
tert-Butylbenzene	ND	0.83	0.13	0.829	
Carbon Disulfide	4.6	8.3	0.25	0.829	B,J
Carbon Tetrachloride	ND	0.83	0.23	0.829	
Chlorobenzene	ND	0.83	0.19	0.829	
Chloroethane	ND	1.7	1.2	0.829	
Chloroform	ND	0.83	0.20	0.829	
Chloromethane	ND	17	0.25	0.829	
2-Chlorotoluene	ND	0.83	0.19	0.829	
4-Chlorotoluene	ND	0.83	0.18	0.829	
Dibromochloromethane	ND	1.7	0.47	0.829	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.829	
1,2-Dibromoethane	ND	0.83	0.21	0.829	
Dibromomethane	ND	0.83	0.64	0.829	
1,2-Dichlorobenzene	0.34	0.83	0.19	0.829	J
1,3-Dichlorobenzene	ND	0.83	0.15	0.829	
1,4-Dichlorobenzene	ND	0.83	0.18	0.829	
Dichlorodifluoromethane	ND	1.7	0.37	0.829	
1,1-Dichloroethane	0.45	0.83	0.18	0.829	J
1,2-Dichloroethane	ND	0.83	0.26	0.829	
1,1-Dichloroethene	0.49	0.83	0.29	0.829	J
c-1,2-Dichloroethene	32	0.83	0.23	0.829	
t-1,2-Dichloroethene	1.9	0.83	0.42	0.829	
1,2-Dichloropropane	ND	0.83	0.36	0.829	
1,3-Dichloropropane	ND	0.83	0.21	0.829	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.829	
1,1-Dichloropropene	ND	1.7	0.27	0.829	
c-1,3-Dichloropropene	ND	0.83	0.21	0.829	
t-1,3-Dichloropropene	ND	1.7	0.50	0.829	
Ethylbenzene	0.19	0.83	0.13	0.829	J
2-Hexanone	ND	17	1.5	0.829	
Isopropylbenzene	ND	0.83	0.45	0.829	
p-Isopropyltoluene	ND	0.83	0.52	0.829	
Methylene Chloride	ND	8.3	1.1	0.829	
4-Methyl-2-Pentanone	ND	17	3.6	0.829	
Naphthalene	ND	8.3	0.67	0.829	
n-Propylbenzene	ND	1.7	0.42	0.829	
Styrene	ND	0.83	0.50	0.829	
1,1,1,2-Tetrachloroethane	ND	0.83	0.20	0.829	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.829	
Tetrachloroethene	84	0.83	0.17	0.829	
Toluene	1.2	0.83	0.43	0.829	
1,2,3-Trichlorobenzene	ND	1.7	0.76	0.829	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.829	
1,1,1-Trichloroethane	ND	0.83	0.19	0.829	
1,1,2-Trichloroethane	ND	0.83	0.29	0.829	
1,1,2-Trichloro-1,2,2-Trifluoroethane	4.9	8.3	0.29	0.829	J
Trichloroethene	180	1.7	0.25	0.829	E
Trichlorofluoromethane	ND	8.3	0.31	0.829	
1,2,3-Trichloropropane	ND	1.7	0.69	0.829	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.829	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.829	
Vinyl Acetate	ND	8.3	3.9	0.829	
Vinyl Chloride	ND	0.83	0.42	0.829	
p/m-Xylene	ND	1.7	0.22	0.829	
o-Xylene	ND	0.83	0.46	0.829	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.24	0.829	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	81	80-120	
Dibromofluoromethane	123	79-133	
1,2-Dichloroethane-d4	137	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252 Page 24 of 49

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B39B-2.5	**13-07-1226-9-E**	**07/18/13 13:15**	**Soil**	**GC/MS V V**	**07/18/13**	**07/24/13 14:30**	**130724L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Trichloroethene	1200	91	14	45.3	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	96	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B39B-5	**13-07-1226-10-D**	**07/18/13 13:20**	**Soil**	**GC/MS Z**	**07/18/13**	**07/25/13 13:17**	**130725L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	10	44	5.6	0.89	J
Benzene	ND	0.89	0.12	0.89	
Bromobenzene	ND	0.89	0.19	0.89	
Bromochloromethane	ND	1.8	0.61	0.89	
Bromodichloromethane	ND	0.89	0.21	0.89	
Bromoform	ND	4.4	0.71	0.89	
Bromomethane	ND	18	8.4	0.89	
2-Butanone	ND	18	3.4	0.89	
n-Butylbenzene	ND	0.89	0.14	0.89	
sec-Butylbenzene	ND	0.89	0.51	0.89	
tert-Butylbenzene	ND	0.89	0.13	0.89	
Carbon Disulfide	ND	8.9	0.27	0.89	
Carbon Tetrachloride	ND	0.89	0.25	0.89	
Chlorobenzene	ND	0.89	0.20	0.89	
Chloroethane	ND	1.8	1.3	0.89	
Chloroform	ND	0.89	0.21	0.89	
Chloromethane	ND	18	0.27	0.89	
2-Chlorotoluene	ND	0.89	0.21	0.89	
4-Chlorotoluene	ND	0.89	0.19	0.89	
Dibromochloromethane	ND	1.8	0.51	0.89	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.89	
1,2-Dibromoethane	ND	0.89	0.23	0.89	
Dibromomethane	ND	0.89	0.69	0.89	
1,2-Dichlorobenzene	ND	0.89	0.20	0.89	
1,3-Dichlorobenzene	ND	0.89	0.16	0.89	
1,4-Dichlorobenzene	ND	0.89	0.20	0.89	
Dichlorodifluoromethane	ND	1.8	0.39	0.89	
1,1-Dichloroethane	ND	0.89	0.19	0.89	
1,2-Dichloroethane	ND	0.89	0.28	0.89	
1,1-Dichloroethene	ND	0.89	0.31	0.89	
c-1,2-Dichloroethene	0.78	0.89	0.25	0.89	J
t-1,2-Dichloroethene	ND	0.89	0.45	0.89	
1,2-Dichloropropane	ND	0.89	0.39	0.89	
1,3-Dichloropropane	ND	0.89	0.22	0.89	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.89	
1,1-Dichloropropene	ND	1.8	0.29	0.89	
c-1,3-Dichloropropene	ND	0.89	0.23	0.89	
t-1,3-Dichloropropene	ND	1.8	0.54	0.89	
Ethylbenzene	ND	0.89	0.13	0.89	
2-Hexanone	ND	18	1.6	0.89	
Isopropylbenzene	ND	0.89	0.49	0.89	
p-Isopropyltoluene	ND	0.89	0.56	0.89	
Methylene Chloride	ND	8.9	1.2	0.89	
4-Methyl-2-Pentanone	ND	18	3.8	0.89	
Naphthalene	ND	8.9	0.72	0.89	
n-Propylbenzene	ND	1.8	0.45	0.89	
Styrene	ND	0.89	0.54	0.89	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	0.89	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.89	
Tetrachloroethene	0.77	0.89	0.19	0.89	J
Toluene	ND	0.89	0.46	0.89	
1,2,3-Trichlorobenzene	ND	1.8	0.81	0.89	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.89	
1,1,1-Trichloroethane	ND	0.89	0.20	0.89	
1,1,2-Trichloroethane	ND	0.89	0.32	0.89	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	0.89	
Trichloroethene	2.0	1.8	0.27	0.89	
Trichlorofluoromethane	ND	8.9	0.33	0.89	
1,2,3-Trichloropropane	ND	1.8	0.74	0.89	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.89	
1,3,5-Trimethylbenzene	ND	1.8	0.49	0.89	
Vinyl Acetate	ND	8.9	4.2	0.89	
Vinyl Chloride	ND	0.89	0.45	0.89	
p/m-Xylene	ND	1.8	0.24	0.89	
o-Xylene	ND	0.89	0.50	0.89	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.89	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B38B-2.5	**13-07-1226-11-C**	**07/18/13 12:45**	**Soil**	**GC/MS V V**	**07/18/13**	**07/22/13 23:07**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	12	45	5.7	0.909	J
Benzene	1.2	0.91	0.12	0.909	
Bromobenzene	ND	0.91	0.19	0.909	
Bromochloromethane	ND	1.8	0.63	0.909	
Bromodichloromethane	ND	0.91	0.21	0.909	
Bromoform	ND	4.5	0.72	0.909	
Bromomethane	ND	18	8.6	0.909	
2-Butanone	ND	18	3.4	0.909	
n-Butylbenzene	ND	0.91	0.14	0.909	
sec-Butylbenzene	ND	0.91	0.53	0.909	
tert-Butylbenzene	ND	0.91	0.14	0.909	
Carbon Disulfide	0.69	9.1	0.28	0.909	B,J
Carbon Tetrachloride	ND	0.91	0.26	0.909	
Chlorobenzene	ND	0.91	0.20	0.909	
Chloroethane	ND	1.8	1.4	0.909	
Chloroform	ND	0.91	0.22	0.909	
Chloromethane	ND	18	0.28	0.909	
2-Chlorotoluene	ND	0.91	0.21	0.909	
4-Chlorotoluene	ND	0.91	0.19	0.909	
Dibromochloromethane	ND	1.8	0.52	0.909	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.909	
1,2-Dibromoethane	ND	0.91	0.23	0.909	
Dibromomethane	ND	0.91	0.70	0.909	
1,2-Dichlorobenzene	ND	0.91	0.21	0.909	
1,3-Dichlorobenzene	ND	0.91	0.16	0.909	
1,4-Dichlorobenzene	ND	0.91	0.20	0.909	
Dichlorodifluoromethane	ND	1.8	0.40	0.909	
1,1-Dichloroethane	ND	0.91	0.19	0.909	
1,2-Dichloroethane	ND	0.91	0.29	0.909	
1,1-Dichloroethene	ND	0.91	0.31	0.909	
c-1,2-Dichloroethene	ND	0.91	0.25	0.909	
t-1,2-Dichloroethene	ND	0.91	0.46	0.909	
1,2-Dichloropropane	ND	0.91	0.40	0.909	
1,3-Dichloropropane	ND	0.91	0.23	0.909	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	0.909	
1,1-Dichloropropene	ND	1.8	0.30	0.909	
c-1,3-Dichloropropene	ND	0.91	0.23	0.909	
t-1,3-Dichloropropene	ND	1.8	0.55	0.909	
Ethylbenzene	ND	0.91	0.14	0.909	
2-Hexanone	ND	18	1.6	0.909	
Isopropylbenzene	ND	0.91	0.50	0.909	
p-Isopropyltoluene	ND	0.91	0.57	0.909	
Methylene Chloride	ND	9.1	1.2	0.909	
4-Methyl-2-Pentanone	ND	18	3.9	0.909	
Naphthalene	ND	9.1	0.74	0.909	
n-Propylbenzene	ND	1.8	0.46	0.909	
Styrene	ND	0.91	0.55	0.909	
1,1,1,2-Tetrachloroethane	ND	0.91	0.22	0.909	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.909	
Tetrachloroethene	55	0.91	0.19	0.909	
Toluene	0.69	0.91	0.47	0.909	J
1,2,3-Trichlorobenzene	ND	1.8	0.83	0.909	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.909	
1,1,1-Trichloroethane	ND	0.91	0.20	0.909	
1,1,2-Trichloroethane	ND	0.91	0.32	0.909	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.32	0.909	
Trichloroethene	ND	1.8	0.27	0.909	
Trichlorofluoromethane	ND	9.1	0.34	0.909	
1,2,3-Trichloropropane	ND	1.8	0.75	0.909	
1,2,4-Trimethylbenzene	ND	1.8	0.53	0.909	
1,3,5-Trimethylbenzene	ND	1.8	0.50	0.909	
Vinyl Acetate	ND	9.1	4.3	0.909	
Vinyl Chloride	ND	0.91	0.46	0.909	
p/m-Xylene	ND	1.8	0.24	0.909	
o-Xylene	ND	0.91	0.51	0.909	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.909	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	122	71-155	
Toluene-d8	93	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B38B-5	**13-07-1226-12-C**	**07/18/13 12:50**	**Soil**	**GC/MS V V**	**07/18/13**	**07/22/13 23:37**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	42	5.2	0.831	
Benzene	ND	0.83	0.11	0.831	
Bromobenzene	ND	0.83	0.17	0.831	
Bromochloromethane	ND	1.7	0.57	0.831	
Bromodichloromethane	ND	0.83	0.19	0.831	
Bromoform	ND	4.2	0.66	0.831	
Bromomethane	ND	17	7.8	0.831	
2-Butanone	ND	17	3.1	0.831	
n-Butylbenzene	ND	0.83	0.13	0.831	
sec-Butylbenzene	ND	0.83	0.48	0.831	
tert-Butylbenzene	ND	0.83	0.13	0.831	
Carbon Disulfide	0.35	8.3	0.25	0.831	B,J
Carbon Tetrachloride	ND	0.83	0.23	0.831	
Chlorobenzene	ND	0.83	0.19	0.831	
Chloroethane	ND	1.7	1.2	0.831	
Chloroform	ND	0.83	0.20	0.831	
Chloromethane	ND	17	0.25	0.831	
2-Chlorotoluene	ND	0.83	0.19	0.831	
4-Chlorotoluene	ND	0.83	0.18	0.831	
Dibromochloromethane	ND	1.7	0.47	0.831	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.4	0.831	
1,2-Dibromoethane	ND	0.83	0.21	0.831	
Dibromomethane	ND	0.83	0.64	0.831	
1,2-Dichlorobenzene	ND	0.83	0.19	0.831	
1,3-Dichlorobenzene	ND	0.83	0.15	0.831	
1,4-Dichlorobenzene	ND	0.83	0.18	0.831	
Dichlorodifluoromethane	ND	1.7	0.37	0.831	
1,1-Dichloroethane	ND	0.83	0.18	0.831	
1,2-Dichloroethane	ND	0.83	0.26	0.831	
1,1-Dichloroethene	ND	0.83	0.29	0.831	
c-1,2-Dichloroethene	ND	0.83	0.23	0.831	
t-1,2-Dichloroethene	ND	0.83	0.42	0.831	
1,2-Dichloropropane	ND	0.83	0.36	0.831	
1,3-Dichloropropane	ND	0.83	0.21	0.831	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.27	0.831	
1,1-Dichloropropene	ND	1.7	0.27	0.831	
c-1,3-Dichloropropene	ND	0.83	0.21	0.831	
t-1,3-Dichloropropene	ND	1.7	0.50	0.831	
Ethylbenzene	ND	0.83	0.13	0.831	
2-Hexanone	ND	17	1.5	0.831	
Isopropylbenzene	ND	0.83	0.45	0.831	
p-Isopropyltoluene	ND	0.83	0.52	0.831	
Methylene Chloride	ND	8.3	1.1	0.831	
4-Methyl-2-Pentanone	ND	17	3.6	0.831	
Naphthalene	ND	8.3	0.68	0.831	
n-Propylbenzene	ND	1.7	0.42	0.831	
Styrene	ND	0.83	0.50	0.831	
1,1,1,2-Tetrachloroethane	ND	0.83	0.20	0.831	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.831	
Tetrachloroethene	7.0	0.83	0.17	0.831	
Toluene	ND	0.83	0.43	0.831	
1,2,3-Trichlorobenzene	ND	1.7	0.76	0.831	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.831	
1,1,1-Trichloroethane	ND	0.83	0.19	0.831	
1,1,2-Trichloroethane	ND	0.83	0.29	0.831	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.29	0.831	
Trichloroethene	ND	1.7	0.25	0.831	
Trichlorofluoromethane	ND	8.3	0.31	0.831	
1,2,3-Trichloropropane	ND	1.7	0.69	0.831	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.831	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.831	
Vinyl Acetate	ND	8.3	3.9	0.831	
Vinyl Chloride	ND	0.83	0.42	0.831	
p/m-Xylene	ND	1.7	0.22	0.831	
o-Xylene	ND	0.83	0.46	0.831	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.831	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	122	71-155	
Toluene-d8	93	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW1B-2.5	**13-07-1226-13-C**	**07/18/13 13:30**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 00:07**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	32	44	5.5	0.88	J
Benzene	1.0	0.88	0.11	0.88	
Bromobenzene	ND	0.88	0.18	0.88	
Bromochloromethane	ND	1.8	0.61	0.88	
Bromodichloromethane	ND	0.88	0.20	0.88	
Bromoform	ND	4.4	0.70	0.88	
Bromomethane	ND	18	8.3	0.88	
2-Butanone	6.3	18	3.3	0.88	J
n-Butylbenzene	ND	0.88	0.14	0.88	
sec-Butylbenzene	ND	0.88	0.51	0.88	
tert-Butylbenzene	ND	0.88	0.13	0.88	
Carbon Disulfide	1.1	8.8	0.27	0.88	B,J
Carbon Tetrachloride	ND	0.88	0.25	0.88	
Chlorobenzene	ND	0.88	0.20	0.88	
Chloroethane	ND	1.8	1.3	0.88	
Chloroform	ND	0.88	0.21	0.88	
Chloromethane	ND	18	0.27	0.88	
2-Chlorotoluene	ND	0.88	0.20	0.88	
4-Chlorotoluene	ND	0.88	0.19	0.88	
Dibromochloromethane	ND	1.8	0.50	0.88	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.88	
1,2-Dibromoethane	ND	0.88	0.22	0.88	
Dibromomethane	ND	0.88	0.68	0.88	
1,2-Dichlorobenzene	ND	0.88	0.20	0.88	
1,3-Dichlorobenzene	ND	0.88	0.15	0.88	
1,4-Dichlorobenzene	ND	0.88	0.20	0.88	
Dichlorodifluoromethane	ND	1.8	0.39	0.88	
1,1-Dichloroethane	ND	0.88	0.19	0.88	
1,2-Dichloroethane	ND	0.88	0.28	0.88	
1,1-Dichloroethene	ND	0.88	0.30	0.88	
c-1,2-Dichloroethene	41	0.88	0.25	0.88	
t-1,2-Dichloroethene	1.3	0.88	0.45	0.88	
1,2-Dichloropropane	ND	0.88	0.39	0.88	
1,3-Dichloropropane	ND	0.88	0.22	0.88	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.88	
1,1-Dichloropropene	ND	1.8	0.29	0.88	
c-1,3-Dichloropropene	ND	0.88	0.22	0.88	
t-1,3-Dichloropropene	ND	1.8	0.53	0.88	
Ethylbenzene	ND	0.88	0.13	0.88	
2-Hexanone	ND	18	1.6	0.88	
Isopropylbenzene	ND	0.88	0.48	0.88	
p-Isopropyltoluene	ND	0.88	0.55	0.88	
Methylene Chloride	ND	8.8	1.2	0.88	
4-Methyl-2-Pentanone	ND	18	3.8	0.88	
Naphthalene	ND	8.8	0.72	0.88	
n-Propylbenzene	ND	1.8	0.44	0.88	
Styrene	ND	0.88	0.53	0.88	
1,1,1,2-Tetrachloroethane	ND	0.88	0.21	0.88	
1,1,2,2-Tetrachloroethane	ND	1.8	0.30	0.88	
Tetrachloroethene	7.6	0.88	0.18	0.88	
Toluene	0.50	0.88	0.45	0.88	J
1,2,3-Trichlorobenzene	ND	1.8	0.80	0.88	
1,2,4-Trichlorobenzene	ND	1.8	0.27	0.88	
1,1,1-Trichloroethane	ND	0.88	0.20	0.88	
1,1,2-Trichloroethane	ND	0.88	0.31	0.88	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.31	0.88	
Trichloroethene	19	1.8	0.26	0.88	
Trichlorofluoromethane	ND	8.8	0.33	0.88	
1,2,3-Trichloropropane	ND	1.8	0.73	0.88	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.88	
1,3,5-Trimethylbenzene	ND	1.8	0.48	0.88	
Vinyl Acetate	ND	8.8	4.2	0.88	
Vinyl Chloride	ND	0.88	0.44	0.88	
p/m-Xylene	ND	1.8	0.24	0.88	
o-Xylene	ND	0.88	0.49	0.88	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.88	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	115	71-155	
Toluene-d8	92	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-GW1B-5	**13-07-1226-14-C**	**07/18/13 13:35**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 16:52**	**130723L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	5.0	0.801	
Benzene	ND	0.80	0.10	0.801	
Bromobenzene	ND	0.80	0.17	0.801	
Bromochloromethane	ND	1.6	0.55	0.801	
Bromodichloromethane	ND	0.80	0.19	0.801	
Bromoform	ND	4.0	0.64	0.801	
Bromomethane	ND	16	7.5	0.801	
2-Butanone	ND	16	3.0	0.801	
n-Butylbenzene	ND	0.80	0.13	0.801	
sec-Butylbenzene	ND	0.80	0.46	0.801	
tert-Butylbenzene	ND	0.80	0.12	0.801	
Carbon Disulfide	0.58	8.0	0.24	0.801	B,J
Carbon Tetrachloride	ND	0.80	0.23	0.801	
Chlorobenzene	ND	0.80	0.18	0.801	
Chloroethane	ND	1.6	1.2	0.801	
Chloroform	ND	0.80	0.19	0.801	
Chloromethane	ND	16	0.24	0.801	
2-Chlorotoluene	ND	0.80	0.19	0.801	
4-Chlorotoluene	ND	0.80	0.17	0.801	
Dibromochloromethane	ND	1.6	0.46	0.801	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.801	
1,2-Dibromoethane	ND	0.80	0.20	0.801	
Dibromomethane	ND	0.80	0.62	0.801	
1,2-Dichlorobenzene	ND	0.80	0.18	0.801	
1,3-Dichlorobenzene	ND	0.80	0.14	0.801	
1,4-Dichlorobenzene	ND	0.80	0.18	0.801	
Dichlorodifluoromethane	ND	1.6	0.36	0.801	
1,1-Dichloroethane	ND	0.80	0.17	0.801	
1,2-Dichloroethane	ND	0.80	0.25	0.801	
1,1-Dichloroethene	ND	0.80	0.28	0.801	
c-1,2-Dichloroethene	5.1	0.80	0.22	0.801	
t-1,2-Dichloroethene	ND	0.80	0.41	0.801	
1,2-Dichloropropane	ND	0.80	0.35	0.801	
1,3-Dichloropropane	ND	0.80	0.20	0.801	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	0.801	
1,1-Dichloropropene	ND	1.6	0.26	0.801	
c-1,3-Dichloropropene	ND	0.80	0.20	0.801	
t-1,3-Dichloropropene	ND	1.6	0.49	0.801	
Ethylbenzene	ND	0.80	0.12	0.801	
2-Hexanone	ND	16	1.4	0.801	
Isopropylbenzene	ND	0.80	0.44	0.801	
p-Isopropyltoluene	ND	0.80	0.50	0.801	
Methylene Chloride	ND	8.0	1.1	0.801	
4-Methyl-2-Pentanone	ND	16	3.5	0.801	
Naphthalene	ND	8.0	0.65	0.801	
n-Propylbenzene	ND	1.6	0.40	0.801	
Styrene	ND	0.80	0.48	0.801	
1,1,1,2-Tetrachloroethane	ND	0.80	0.19	0.801	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.801	
Tetrachloroethene	0.97	0.80	0.17	0.801	
Toluene	ND	0.80	0.41	0.801	
1,2,3-Trichlorobenzene	ND	1.6	0.73	0.801	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.801	
1,1,1-Trichloroethane	ND	0.80	0.18	0.801	
1,1,2-Trichloroethane	ND	0.80	0.28	0.801	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.0	0.28	0.801	
Trichloroethene	0.82	1.6	0.24	0.801	J
Trichlorofluoromethane	ND	8.0	0.30	0.801	
1,2,3-Trichloropropane	ND	1.6	0.67	0.801	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.801	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.801	
Vinyl Acetate	ND	8.0	3.8	0.801	
Vinyl Chloride	ND	0.80	0.40	0.801	
p/m-Xylene	ND	1.6	0.21	0.801	
o-Xylene	ND	0.80	0.45	0.801	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.801	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	117	79-133	
1,2-Dichloroethane-d4	131	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-2.5	**13-07-1226-15-C**	**07/18/13 10:20**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 17:22**	**130723L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	120	44	5.5	0.877	
Benzene	4.4	0.88	0.11	0.877	
Bromobenzene	ND	0.88	0.18	0.877	
Bromochloromethane	ND	1.8	0.61	0.877	
Bromodichloromethane	ND	0.88	0.20	0.877	
Bromoform	ND	4.4	0.70	0.877	
Bromomethane	ND	18	8.3	0.877	
2-Butanone	26	18	3.3	0.877	
n-Butylbenzene	ND	0.88	0.14	0.877	
sec-Butylbenzene	ND	0.88	0.51	0.877	
tert-Butylbenzene	ND	0.88	0.13	0.877	
Carbon Disulfide	3.0	8.8	0.27	0.877	B,J
Carbon Tetrachloride	ND	0.88	0.25	0.877	
Chlorobenzene	ND	0.88	0.20	0.877	
Chloroethane	ND	1.8	1.3	0.877	
Chloroform	ND	0.88	0.21	0.877	
Chloromethane	ND	18	0.27	0.877	
2-Chlorotoluene	ND	0.88	0.20	0.877	
4-Chlorotoluene	ND	0.88	0.19	0.877	
Dibromochloromethane	ND	1.8	0.50	0.877	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.877	
1,2-Dibromoethane	ND	0.88	0.22	0.877	
Dibromomethane	ND	0.88	0.68	0.877	
1,2-Dichlorobenzene	16	0.88	0.20	0.877	
1,3-Dichlorobenzene	ND	0.88	0.15	0.877	
1,4-Dichlorobenzene	0.51	0.88	0.19	0.877	J
Dichlorodifluoromethane	ND	1.8	0.39	0.877	
1,1-Dichloroethane	0.81	0.88	0.19	0.877	J
1,2-Dichloroethane	ND	0.88	0.28	0.877	
1,1-Dichloroethene	ND	0.88	0.30	0.877	
c-1,2-Dichloroethene	450	0.88	0.25	0.877	E
t-1,2-Dichloroethene	12	0.88	0.44	0.877	
1,2-Dichloropropane	ND	0.88	0.38	0.877	
1,3-Dichloropropane	ND	0.88	0.22	0.877	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.877	
1,1-Dichloropropene	ND	1.8	0.29	0.877	
c-1,3-Dichloropropene	ND	0.88	0.22	0.877	
t-1,3-Dichloropropene	ND	1.8	0.53	0.877	
Ethylbenzene	0.31	0.88	0.13	0.877	J
2-Hexanone	ND	18	1.5	0.877	
Isopropylbenzene	ND	0.88	0.48	0.877	
p-Isopropyltoluene	ND	0.88	0.55	0.877	
Methylene Chloride	ND	8.8	1.2	0.877	
4-Methyl-2-Pentanone	ND	18	3.8	0.877	
Naphthalene	ND	8.8	0.71	0.877	
n-Propylbenzene	ND	1.8	0.44	0.877	
Styrene	ND	0.88	0.53	0.877	
1,1,1,2-Tetrachloroethane	ND	0.88	0.21	0.877	
1,1,2,2-Tetrachloroethane	ND	1.8	0.30	0.877	
Tetrachloroethene	8.7	0.88	0.18	0.877	
Toluene	2.4	0.88	0.45	0.877	
1,2,3-Trichlorobenzene	ND	1.8	0.80	0.877	
1,2,4-Trichlorobenzene	ND	1.8	0.27	0.877	
1,1,1-Trichloroethane	ND	0.88	0.20	0.877	
1,1,2-Trichloroethane	ND	0.88	0.31	0.877	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.31	0.877	
Trichloroethene	2.1	1.8	0.26	0.877	
Trichlorofluoromethane	ND	8.8	0.33	0.877	
1,2,3-Trichloropropane	ND	1.8	0.73	0.877	
1,2,4-Trimethylbenzene	ND	1.8	0.51	0.877	
1,3,5-Trimethylbenzene	ND	1.8	0.48	0.877	
Vinyl Acetate	ND	8.8	4.2	0.877	
Vinyl Chloride	ND	0.88	0.44	0.877	
p/m-Xylene	0.53	1.8	0.23	0.877	J
o-Xylene	1.3	0.88	0.49	0.877	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.877	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	118	79-133	
1,2-Dichloroethane-d4	134	71-155	
Toluene-d8	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1226
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 37 of 49

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-2.5	**13-07-1226-15-E**	**07/18/13 10:20**	**Soil**	**GC/MS V V**	**07/18/13**	**07/24/13 15:01**	**130724L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
c-1,2-Dichloroethene	2100	42	12	41.8	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-5	**13-07-1226-16-C**	**07/18/13 10:25**	**Soil**	**GC/MS V V**	**07/18/13**	**07/23/13 17:52**	**130723L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	5.0	0.797	
Benzene	ND	0.80	0.10	0.797	
Bromobenzene	ND	0.80	0.17	0.797	
Bromochloromethane	ND	1.6	0.55	0.797	
Bromodichloromethane	ND	0.80	0.19	0.797	
Bromoform	ND	4.0	0.63	0.797	
Bromomethane	ND	16	7.5	0.797	
2-Butanone	ND	16	3.0	0.797	
n-Butylbenzene	ND	0.80	0.12	0.797	
sec-Butylbenzene	ND	0.80	0.46	0.797	
tert-Butylbenzene	ND	0.80	0.12	0.797	
Carbon Disulfide	0.65	8.0	0.24	0.797	B,J
Carbon Tetrachloride	ND	0.80	0.23	0.797	
Chlorobenzene	ND	0.80	0.18	0.797	
Chloroethane	ND	1.6	1.2	0.797	
Chloroform	ND	0.80	0.19	0.797	
Chloromethane	ND	16	0.24	0.797	
2-Chlorotoluene	ND	0.80	0.18	0.797	
4-Chlorotoluene	ND	0.80	0.17	0.797	
Dibromochloromethane	ND	1.6	0.45	0.797	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.797	
1,2-Dibromoethane	ND	0.80	0.20	0.797	
Dibromomethane	ND	0.80	0.62	0.797	
1,2-Dichlorobenzene	2.2	0.80	0.18	0.797	
1,3-Dichlorobenzene	ND	0.80	0.14	0.797	
1,4-Dichlorobenzene	ND	0.80	0.18	0.797	
Dichlorodifluoromethane	ND	1.6	0.35	0.797	
1,1-Dichloroethane	0.49	0.80	0.17	0.797	J
1,2-Dichloroethane	ND	0.80	0.25	0.797	
1,1-Dichloroethene	ND	0.80	0.28	0.797	
c-1,2-Dichloroethene	260	0.80	0.22	0.797	E
t-1,2-Dichloroethene	2.2	0.80	0.40	0.797	
1,2-Dichloropropane	ND	0.80	0.35	0.797	
1,3-Dichloropropane	ND	0.80	0.20	0.797	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	0.797	
1,1-Dichloropropene	ND	1.6	0.26	0.797	
c-1,3-Dichloropropene	ND	0.80	0.20	0.797	
t-1,3-Dichloropropene	ND	1.6	0.48	0.797	
Ethylbenzene	ND	0.80	0.12	0.797	
2-Hexanone	ND	16	1.4	0.797	
Isopropylbenzene	ND	0.80	0.44	0.797	
p-Isopropyltoluene	ND	0.80	0.50	0.797	
Methylene Chloride	ND	8.0	1.1	0.797	
4-Methyl-2-Pentanone	ND	16	3.4	0.797	
Naphthalene	ND	8.0	0.65	0.797	
n-Propylbenzene	ND	1.6	0.40	0.797	
Styrene	ND	0.80	0.48	0.797	
1,1,1,2-Tetrachloroethane	ND	0.80	0.19	0.797	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.797	
Tetrachloroethene	2.3	0.80	0.17	0.797	
Toluene	ND	0.80	0.41	0.797	
1,2,3-Trichlorobenzene	ND	1.6	0.73	0.797	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.797	
1,1,1-Trichloroethane	ND	0.80	0.18	0.797	
1,1,2-Trichloroethane	ND	0.80	0.28	0.797	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.0	0.28	0.797	
Trichloroethene	ND	1.6	0.24	0.797	
Trichlorofluoromethane	ND	8.0	0.30	0.797	
1,2,3-Trichloropropane	ND	1.6	0.66	0.797	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.797	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.797	
Vinyl Acetate	ND	8.0	3.8	0.797	
Vinyl Chloride	ND	0.80	0.40	0.797	
p/m-Xylene	ND	1.6	0.21	0.797	
o-Xylene	ND	0.80	0.44	0.797	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.797	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	118	79-133	
1,2-Dichloroethane-d4	134	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252 Page 40 of 49

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
ENV-B12B-5	**13-07-1226-16-E**	**07/18/13 10:25**	**Soil**	**GC/MS V V**	**07/18/13**	**07/24/13 15:30**	**130724L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
c-1,2-Dichloroethene	420	38	11	38.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	97	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24087**	**N/A**	**Soil**	**GC/MS V V**	**07/22/13**	**07/22/13 15:08**	**130722L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	0.50	10	0.31	1	J
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	92	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252 Page 43 of 49

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24090**	**N/A**	**Soil**	**GC/MS V V**	**07/23/13**	**07/23/13 13:22**	**130723L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	0.53	10	0.31	1	J
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	113	79-133	
1,2-Dichloroethane-d4	118	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24093**	**N/A**	**Soil**	**GC/MS V V**	**07/23/13**	**07/23/13 12:52**	**130723L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	5000	620	100	
Benzene	ND	100	13	100	
Bromobenzene	ND	100	21	100	
Bromochloromethane	ND	200	69	100	
Bromodichloromethane	ND	100	23	100	
Bromoform	ND	500	79	100	
Bromomethane	ND	2000	940	100	
2-Butanone	ND	2000	380	100	
n-Butylbenzene	ND	100	16	100	
sec-Butylbenzene	ND	100	58	100	
tert-Butylbenzene	ND	100	15	100	
Carbon Disulfide	56	1000	31	100	J
Carbon Tetrachloride	ND	100	28	100	
Chlorobenzene	ND	100	22	100	
Chloroethane	ND	200	150	100	
Chloroform	ND	100	24	100	
Chloromethane	ND	2000	30	100	
2-Chlorotoluene	ND	100	23	100	
4-Chlorotoluene	ND	100	21	100	
Dibromochloromethane	ND	200	57	100	
1,2-Dibromo-3-Chloropropane	ND	500	170	100	
1,2-Dibromoethane	ND	100	26	100	
Dibromomethane	ND	100	77	100	
1,2-Dichlorobenzene	ND	100	23	100	
1,3-Dichlorobenzene	ND	100	18	100	
1,4-Dichlorobenzene	ND	100	22	100	
Dichlorodifluoromethane	ND	200	44	100	
1,1-Dichloroethane	ND	100	21	100	
1,2-Dichloroethane	ND	100	31	100	
1,1-Dichloroethene	ND	100	35	100	
c-1,2-Dichloroethene	ND	100	28	100	
t-1,2-Dichloroethene	ND	100	51	100	
1,2-Dichloropropane	ND	100	44	100	
1,3-Dichloropropane	ND	100	25	100	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	500	33	100	
1,1-Dichloropropene	ND	200	33	100	
c-1,3-Dichloropropene	ND	100	25	100	
t-1,3-Dichloropropene	ND	200	61	100	
Ethylbenzene	ND	100	15	100	
2-Hexanone	ND	2000	180	100	
Isopropylbenzene	ND	100	55	100	
p-Isopropyltoluene	ND	100	63	100	
Methylene Chloride	ND	1000	130	100	
4-Methyl-2-Pentanone	ND	2000	430	100	
Naphthalene	150	1000	81	100	J
n-Propylbenzene	ND	200	50	100	
Styrene	ND	100	60	100	
1,1,1,2-Tetrachloroethane	ND	100	24	100	
1,1,2,2-Tetrachloroethane	ND	200	35	100	
Tetrachloroethene	ND	100	21	100	
Toluene	ND	100	52	100	
1,2,3-Trichlorobenzene	ND	200	91	100	
1,2,4-Trichlorobenzene	ND	200	31	100	
1,1,1-Trichloroethane	ND	100	23	100	
1,1,2-Trichloroethane	ND	100	35	100	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	35	100	
Trichloroethene	ND	200	30	100	
Trichlorofluoromethane	ND	1000	38	100	
1,2,3-Trichloropropane	ND	200	83	100	
1,2,4-Trimethylbenzene	ND	200	59	100	
1,3,5-Trimethylbenzene	ND	200	55	100	
Vinyl Acetate	ND	1000	470	100	
Vinyl Chloride	ND	100	50	100	
p/m-Xylene	ND	200	27	100	
o-Xylene	ND	100	56	100	
Methyl-t-Butyl Ether (MTBE)	ND	200	30	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	80-120	
Dibromofluoromethane	115	79-133	
1,2-Dichloroethane-d4	118	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24099**	**N/A**	**Soil**	**GC/MS V V**	**07/24/13**	**07/24/13 12:00**	**130724L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
c-1,2-Dichloroethene	ND	100	28	100	
Tetrachloroethene	ND	100	21	100	
Trichloroethene	ND	200	30	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	112	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	94	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24103**	**N/A**	**Soil**	**GC/MS Z**	**07/25/13**	**07/25/13 12:22**	**130725L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	91	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1256-2	**Soil**	**ICP 7300**	**07/22/13**	**07/22/13 19:19**	**130722S11**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	0.8619	3	0.6103	2	50-115	34	0-20	3,4
Arsenic	1.789	25.00	13.19	46	14.08	49	75-125	6	0-20	3
Barium	81.58	25.00	121.5	160	112.7	124	75-125	8	0-20	3
Beryllium	0.8298	25.00	22.74	88	25.11	97	75-125	10	0-20	
Cadmium	0.8042	25.00	22.31	86	24.63	95	75-125	10	0-20	
Chromium	91.15	25.00	119.4	113	121.9	123	75-125	2	0-20	
Cobalt	27.89	25.00	56.89	116	53.49	102	75-125	6	0-20	
Copper	43.01	25.00	68.30	101	70.89	112	75-125	4	0-20	
Lead	4.652	25.00	24.45	79	26.47	87	75-125	8	0-20	
Molybdenum	ND	25.00	10.51	42	12.34	49	75-125	16	0-20	3
Nickel	83.78	25.00	103.7	80	109.4	102	75-125	5	0-20	
Selenium	ND	25.00	3.017	12	3.985	16	75-125	28	0-20	3,4
Silver	ND	12.50	11.02	88	12.25	98	75-125	11	0-20	
Thallium	ND	25.00	10.69	43	16.73	67	75-125	44	0-20	3,4
Vanadium	100.7	25.00	126.7	4X	126.0	4X	75-125	4X	0-20	Q
Zinc	60.96	25.00	72.81	47	74.12	53	75-125	2	0-20	3

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 7471A Total
Method: EPA 7471A
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Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1202-1	**Soil**	**Mercury**	**07/22/13**	**07/22/13 14:27**	**130722S07**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.3157	0.8350	1.046	87	1.001	82	71-137	4	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1332-2	**Soil**	**GC/MS DDD**	**07/22/13**	**07/25/13 14:33**	**130722S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	5.000	2.116	42	2.137	43	50-130	1	0-20	3

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-002-17075	**Soil**	**ICP 7300**	**07/22/13 19:13**	**130722L11**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	26.48	106	80-120	73-127	
Arsenic	25.00	25.69	103	80-120	73-127	
Barium	25.00	28.23	113	80-120	73-127	
Beryllium	25.00	26.67	107	80-120	73-127	
Cadmium	25.00	27.12	108	80-120	73-127	
Chromium	25.00	26.24	105	80-120	73-127	
Cobalt	25.00	28.29	113	80-120	73-127	
Copper	25.00	26.02	104	80-120	73-127	
Lead	25.00	25.27	101	80-120	73-127	
Molybdenum	25.00	26.30	105	80-120	73-127	
Nickel	25.00	27.89	112	80-120	73-127	
Selenium	25.00	25.10	100	80-120	73-127	
Silver	12.50	12.96	104	80-120	73-127	
Thallium	25.00	25.70	103	80-120	73-127	
Vanadium	25.00	25.76	103	80-120	73-127	
Zinc	25.00	29.20	117	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1226
Long Beach, CA 90802-3335		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: Panama Site / MCGU-13-2252			Page 2 of 8

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-04-007-9459	**Soil**	**Mercury**	**07/22/13 14:23**	**130722L07**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8560	103	85-121	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-111	**Soil**	**GC/MS DDD**	**07/24/13 12:43**	**130722L08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	5.000	4.993	100	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24103	**Soil**	**GC/MS Z**	**07/25/13**	**07/25/13 10:33**	**130725L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	54.22	108	54.05	108	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	51.04	102	53.10	106	65-137	53-149	4	0-20	
Chlorobenzene	50.00	51.26	103	49.85	100	80-120	73-127	3	0-20	
1,2-Dibromoethane	50.00	52.22	104	50.94	102	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	52.06	104	50.91	102	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	46.91	94	48.05	96	80-120	73-127	2	0-20	
1,1-Dichloroethene	50.00	56.74	113	58.48	117	68-128	58-138	3	0-20	
Ethylbenzene	50.00	55.49	111	54.49	109	80-120	73-127	2	0-20	
Toluene	50.00	55.05	110	54.22	108	80-120	73-127	2	0-20	
Trichloroethene	50.00	53.47	107	54.19	108	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	50.02	100	54.64	109	67-127	57-137	9	0-20	
p/m-Xylene	100.0	103.3	103	103.7	104	75-125	67-133	0	0-25	
o-Xylene	50.00	51.34	103	50.77	102	75-125	67-133	1	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	51.75	104	53.32	107	70-124	61-133	3	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24087	**Soil**	**GC/MS V V**	**07/22/13**	**07/22/13 13:06**	**130722L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	50.20	100	49.84	100	80-120	73-127	1	0-20	
Carbon Tetrachloride	50.00	50.59	101	50.60	101	65-137	53-149	0	0-20	
Chlorobenzene	50.00	50.53	101	50.19	100	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	52.11	104	53.21	106	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	48.70	97	48.73	97	80-120	73-127	0	0-20	
1,2-Dichloroethane	50.00	50.66	101	50.32	101	80-120	73-127	1	0-20	
1,1-Dichloroethene	50.00	45.60	91	44.66	89	68-128	58-138	2	0-20	
Ethylbenzene	50.00	54.51	109	54.36	109	80-120	73-127	0	0-20	
Toluene	50.00	53.34	107	53.13	106	80-120	73-127	0	0-20	
Trichloroethene	50.00	52.51	105	51.16	102	80-120	73-127	3	0-20	
Vinyl Chloride	50.00	38.47	77	37.77	76	67-127	57-137	2	0-20	
p/m-Xylene	100.0	105.2	105	104.5	104	75-125	67-133	1	0-25	
o-Xylene	50.00	51.69	103	51.18	102	75-125	67-133	1	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	39.66	79	47.88	96	70-124	61-133	19	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24090	**Soil**	**GC/MS V V**	**07/23/13**	**07/23/13 11:22**	**130723L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	51.83	104	51.93	104	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	53.48	107	53.06	106	65-137	53-149	1	0-20	
Chlorobenzene	50.00	51.18	102	51.94	104	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	54.81	110	54.84	110	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	49.42	99	50.76	102	80-120	73-127	3	0-20	
1,2-Dichloroethane	50.00	55.46	111	56.46	113	80-120	73-127	2	0-20	
1,1-Dichloroethene	50.00	53.00	106	52.81	106	68-128	58-138	0	0-20	
Ethylbenzene	50.00	56.26	113	57.37	115	80-120	73-127	2	0-20	
Toluene	50.00	54.85	110	55.07	110	80-120	73-127	0	0-20	
Trichloroethene	50.00	53.47	107	53.20	106	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	44.01	88	43.92	88	67-127	57-137	0	0-20	
p/m-Xylene	100.0	108.1	108	110.2	110	75-125	67-133	2	0-25	
o-Xylene	50.00	53.41	107	54.85	110	75-125	67-133	3	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	46.04	92	46.16	92	70-124	61-133	0	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24093	**Soil**	**GC/MS V V**	**07/23/13**	**07/23/13 11:22**	**130723L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	51.83	104	51.93	104	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	53.48	107	53.06	106	65-137	53-149	1	0-20	
Chlorobenzene	50.00	51.18	102	51.94	104	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	54.81	110	54.84	110	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	49.42	99	50.76	102	80-120	73-127	3	0-20	
1,2-Dichloroethane	50.00	55.46	111	56.46	113	80-120	73-127	2	0-20	
1,1-Dichloroethene	50.00	53.00	106	52.81	106	68-128	58-138	0	0-20	
Ethylbenzene	50.00	56.26	113	57.37	115	80-120	73-127	2	0-20	
Toluene	50.00	54.85	110	55.07	110	80-120	73-127	0	0-20	
Trichloroethene	50.00	53.47	107	53.20	106	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	44.01	88	43.92	88	67-127	57-137	0	0-20	
p/m-Xylene	100.0	108.1	108	110.2	110	75-125	67-133	2	0-25	
o-Xylene	50.00	53.41	107	54.85	110	75-125	67-133	3	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	46.04	92	46.16	92	70-124	61-133	0	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1226
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24099	**Soil**	**GC/MS V V**	**07/24/13**	**07/24/13 10:30**	**130724L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	53.38	107	50.06	100	80-120	73-127	6	0-20	
Carbon Tetrachloride	50.00	54.33	109	54.38	109	65-137	53-149	0	0-20	
Chlorobenzene	50.00	52.27	105	49.59	99	80-120	73-127	5	0-20	
1,2-Dibromoethane	50.00	53.38	107	50.62	101	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	50.00	49.84	100	49.24	98	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	55.46	111	53.66	107	80-120	73-127	3	0-20	
1,1-Dichloroethene	50.00	52.46	105	52.19	104	68-128	58-138	1	0-20	
Ethylbenzene	50.00	58.29	117	56.18	112	80-120	73-127	4	0-20	
Toluene	50.00	56.96	114	53.93	108	80-120	73-127	5	0-20	
Trichloroethene	50.00	55.81	112	52.65	105	80-120	73-127	6	0-20	
Vinyl Chloride	50.00	43.77	88	43.03	86	67-127	57-137	2	0-20	
p/m-Xylene	100.0	111.4	111	108.3	108	75-125	67-133	3	0-25	
o-Xylene	50.00	54.73	109	53.10	106	75-125	67-133	3	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	42.35	85	42.49	85	70-124	61-133	0	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1226

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	598	ICP 7300	1
EPA 7471A	EPA 7471A Total	769	Mercury	1
EPA 8260B	EPA 5035	796	GC/MS Z	2
EPA 8260B	EPA 5035	796	GC/MS V V	2
EPA 8270C(M) Isotope Dilution	EPA 3545	859	GC/MS DDD	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1226 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: **13-07-1226**

DATE: 7/18/13
PAGE: 1 OF 2

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) S. Ridenour

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/Ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]
1	ENV-B1DB-2.5	7/18/13	0830	SOIL	4		X						X			X				X	
2	↓ -5		0835										X			X				X	
3	ENV-B4B-2.5		0926										X			X				X	
4	↓ -5		0930										X			X				X	
5	ENV-B55B-2.5		0935										X			X				X	
6	↓ -5		0940										X			X				X	
7	ENV-GW3B-2.5		1210										X			X				X	
8	↓ -5		1215										X			X				X	
9	ENV-B39B-2.5		1315										X			X				X	
10	↓ -5		1320										X			X				X	

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1618
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 67-1226

DATE: 7/18/13
PAGE: 2 OF 2

LABORATORY CLIENT: Alta Environmental	CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.:
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Jonathan Barkman
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com	SAMPLER(S): (PRINT) S. Ridenour

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]						
01	ENV-B38B-2.5	7/18/13	1245	SOIL	4		X						X			X				X							
02	-5		1250										X			X				X							
03	ENV-GW1B-2.5		1330										X			X				X							
04	-5		1335										X			X				X							
05	ENV-B12B-2.5		1220										X			X				X							
06	-5		1225										X			X				X							

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1615
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07- 1 2 2 6

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ALTA DATE: 07 / 18 / 13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.8 °C - 0.2 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JD

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☑TerraCores® (3) ☑ 20285

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JD

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** AM

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** JS

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1226

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☑ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

3x TerraCores; Collection time per label is
(-15) 10:20
(-16) 10:25

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: JD 07/18/13

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Vikas Patel

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Friday, July 19, 2013 11:25 AM
To: Vikas Patel
Cc: Reid Shigeno
Subject: RE: Panama Site / MCGU-13-2252 / CEL 13-07-1226

It is 10:20 and 10:25.

Can you send me the other COC (6 pages)?

Regards,

STEVEN R. RIDENOUR, PG. REA
SENIOR PROJECT MANAGER/SENIOR GEOLOGIST III

ALTA ENVIRONMENTAL

3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.997.6500 f. 562.495.5877
steve.ridenour@altaenviron.com | www.altaenviron.com

Welcome to Alta Environmental! Effective July 2011, Alta Environmental represents the combined teams of Winefield & Associates and our recent acquisitions, Coffey Environments/CTL Environmental Services and Justice & Associates. Alta Environmental is a premiere environmental consultancy for industrial and construction interests throughout California. For more information about our subsurface remediation, environmental compliance, and occupational safety capabilities, please click here for our website.

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From: Vikas Patel [mailto:vipatel@calscience.com]
Sent: Friday, July 19, 2013 11:21 AM
To: Steve Ridenour
Cc: Reid Shigeno; Vikas Patel
Subject: Panama Site / MCGU-13-2252 / CEL 13-07-1226

Steve – Please confirm the collection times for samples ENV-B12B-2.5 and ENV-B12B-5. The collection times per the Terra Core vials is 10:20 and 10:25, respectively.

Vik Patel
Project Manager

Calscience

7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494
www.calscience.com

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Calscience Environmental Laboratories, Inc.

Supplemental Report 1

Additional requested analyses are reported as a stand-alone report.

CALSCIENCE

WORK ORDER NUMBER: 13-07-1033

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site

Attention: Jonathan Barkman
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 08/05/2013 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

nelac

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: Panama Site
Work Order Number: 13-07-1033

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-1033 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/16/13. They were assigned to Work Order 13-07-1033.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-5	**13-07-1033-2-A**	**07/16/13 13:05**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 00:34**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	48	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-10	**13-07-1033-3-A**	**07/16/13 13:10**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 00:52**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	46	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B92-2.5	**13-07-1033-4-A**	**07/16/13 13:30**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/04/13 10:12**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	70	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B92-10	**13-07-1033-6-A**	**07/16/13 13:40**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 01:11**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	71	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B91-5	**13-07-1033-8-A**	**07/16/13 14:05**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 01:30**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	55	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B91-10	**13-07-1033-9-A**	**07/16/13 14:10**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 01:48**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	59	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B94-2.5	**13-07-1033-10-A**	**07/16/13 14:15**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 02:07**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	54	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B94-10	**13-07-1033-12-A**	**07/16/13 14:25**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 19:14**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	41	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-5	**13-07-1033-14-A**	**07/16/13 00:00**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 05:33**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	59	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-10	**13-07-1033-15-A**	**07/16/13 00:00**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 17:28**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	58	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-112**	**N/A**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/01/13 23:18**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	73	28-139	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B94-2.5	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 02:26**	**130730S18**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	2.000	1.471	74	1.454	73	50-130	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental		Date Received:	07/16/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1033
Long Beach, CA 90802-3335		Preparation:	EPA 3545
		Method:	EPA 8270C(M) Isotope Dilution
Project: Panama Site			Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-112	**Soil**	**GC/MS DDD**	**08/01/13 23:38**	**130730L18**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	2.000	1.429	71	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1033

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8270C(M) Isotope Dilution	EPA 3545	421	GC/MS DDD	1
EPA 8270C(M) Isotope Dilution	EPA 3545	859	GC/MS DDD	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1033 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 13-07-1033

DATE: 7/16/13
PAGE: 1 OF 2

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site
P.O. NO.: MCGN-12-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake / S. Richman

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved SDEC/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~8~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE 6B
1	B93-2.5	7/16/13	1300	Soil	4								X			X				X		
2	B93-5	"	1305	"	"								X							X		
3	B93-10	"	1310	"	"								X									
4	B92-2.5	"	1330	"	"								X							X		
5	B92-5	"	1335	"	"								X			X				X		
6	B92-10	"	1340	"	"								X									
7	B91-2.5	"	1400	"	"								X			X				X		
8	B91-5	"	1405	"	"								X							X		
9	B91-10	"	1410	"	"								X									
10	B94-2.5	"	1415	"	"								X							X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/16/13	Time: 1541
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/16/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1033

DATE: 7/16/13
PAGE: 2 OF 2

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site
P.O. NO.: MCGV-12-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K Drake, S. Pidenour

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~8260~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]
11	B94-5	7/16/13	1420	Soil	4								X			X				X	
12	B94-10	"	1425	"	"								X								
13	B95-2.5												X			X				X	
14	B95-5												X							X	
15	B95-10												X								

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		7/16/13	1641
		7/16/13	1835
		Date:	Time:

06/01/10 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1033

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ALTA ENV.

DATE: 07/16/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.8 °C - 0.2 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: DL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☑ Collection date/time (-13 to -15), matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☑3 TerraCores® ☐_____

Water: ☐VOA ☑2 VOAh ☐VOA**na**$_2$ ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na**$_2$ ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na**$_2$ ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 130708B **Labeled/Checked by:** DL

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** DL

Preservative: **h:** HCL **n:** HNO_3 **na**$_2$:$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:**

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1033

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☒ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-16) Received 2 vials w/HCl labeled as Trip-Blank not on COC.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: D.L 07/16/13

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: **13-07-1033**

DATE: 7/16/13
PAGE: 1 OF 2

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com; reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site
P.O. NO.: MCGN-12-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) E. Drake / S. Richardson

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved SDB/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE 5D					
1	B93-2.5	7/16/13	1300	SOIL	4								X			X				X							
2	B93-5		1305										X			X				X							
3	B93-10		1310										X			X											
4	B92-2.5		1330										X			X				X							
5	B92-5		1335										X			X				X							
6	B92-10		1340										X			X											
7	B91-2.5		1400										X			X				X							
8	B91-5		1405										X			X				X							
9	B91-10		1410										X			X											
10	B94-2.5	↓	1415	↓	↓								X			X				X							

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/16/13	Time: 1541
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/16/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1033

DATE: 7/16/13
PAGE: 2 OF 2

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site
PROJECT CONTACT: Jonathan Barkman
P.O. NO.: MCGV-12-2252
SAMPLER(S): (PRINT) K. Drake, S. Ridenour

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/10E	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]
11	B94-5	7/16/13	1420	SOIL	4								X			X				X	
12	B94-10	"	1425	"	"								X			X					
13	B95-2.5												X			X				X	
14	B95-5												X			X				X	
15	B95-10	↓		↓	↓								X			X					

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/16/13	Time: 1641
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/16/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-07-1033

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site

Attention: Jonathan Barkman
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 07/26/2013 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 13-07-1033

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-1033 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/16/13. They were assigned to Work Order 13-07-1033.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1033
Project Name: Panama Site
Received: 07/16/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B93-2.5 (13-07-1033-1)						
Arsenic	12.4		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	102		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.552		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.58		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	35.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.85		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	29.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.35		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	25.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	62.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	47.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0115	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Benzene	0.14	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.60	B,J	0.30*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	65		0.99	ug/kg	EPA 8260B	EPA 5035
B93-5 (13-07-1033-2)						
Arsenic	12.8		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	78.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.573		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	3.61		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	31.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.24		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	29.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.79		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.66		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	25.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.396		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	55.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	45.3		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0255	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	0.53	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	9.5		0.87	ug/kg	EPA 8260B	EPA 5035
B93-10 (13-07-1033-3)						
Benzene	0.12	J	0.10*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.49	B,J	0.24*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	16		0.79	ug/kg	EPA 8260B	EPA 5035

* MDL is shown

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1033
Project Name: Panama Site
Received: 07/16/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B92-2.5 (13-07-1033-4)						
Antimony	0.221	J	0.149*	mg/kg	EPA 6010B	EPA 3050B
Arsenic	5.41		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	75.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.286		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.840		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	21.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.71		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	18.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	13.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.546		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	14.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	30.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	47.8		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0115	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	52		39	ug/kg	EPA 8260B	EPA 5035
Benzene	0.16	J	0.10*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	7.5	J	2.9*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.56	B,J	0.24*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.3		0.77	ug/kg	EPA 8260B	EPA 5035
B92-5 (13-07-1033-5)						
Arsenic	18.8		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	109		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.717		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.43		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	40.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	37.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	5.59		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	4.33		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	36.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	70.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	60.9		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0221	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	0.57	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.38	J	0.17*	ug/kg	EPA 8260B	EPA 5035
B92-10 (13-07-1033-6)						
Carbon Disulfide	0.50	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035

* MDL is shown

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1033
Project Name: Panama Site
Received: 07/16/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B91-2.5 (13-07-1033-7)						
Arsenic	8.79		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	124		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.605		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.59		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	39.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	90.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	13.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	57.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	66.9		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0335	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	23	J	6.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.87	J	0.13*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.70	B,J	0.31*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	77		1.0	ug/kg	EPA 8260B	EPA 5035
B91-5 (13-07-1033-8)						
Arsenic	19.4		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	181		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.714		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.64		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	41.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	13.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	38.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	5.66		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	3.84		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	37.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	69.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	60.0		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0278	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	5.8	J	5.4*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.49	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	5.2		0.87	ug/kg	EPA 8260B	EPA 5035
B91-10 (13-07-1033-9)						
Carbon Disulfide	0.46	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	6.3		0.82	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1033
Project Name: Panama Site
Received: 07/16/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B94-2.5 (13-07-1033-10)						
Arsenic	16.4		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	153		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.607		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.01		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	39.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	13.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	36.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.89		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.833		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	31.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.0893	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	74.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	53.0		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0153	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	51		45	ug/kg	EPA 8260B	EPA 5035
Benzene	0.82	J	0.12*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	4.8	J	3.4*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.83	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	49		0.89	ug/kg	EPA 8260B	EPA 5035
B94-5 (13-07-1033-11)						
Arsenic	14.8		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	160		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.734		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	2.12		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	45.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	12.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	39.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	5.72		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	5.74		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	39.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	70.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	66.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0258	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	8.1	J	5.5*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.54	B,J	0.27*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	3.4		0.88	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1033
Project Name: Panama Site
Received: 07/16/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B94-10 (13-07-1033-12)						
Carbon Disulfide	0.46	B,J	0.24*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.9		0.79	ug/kg	EPA 8260B	EPA 5035
B95-2.5 (13-07-1033-13)						
Arsenic	6.67		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	126		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.588		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.74		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	42.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	214		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	15.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	27.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	48.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	84.1		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0397	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	7.4	J	5.8*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.52	B,J	0.28*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.7		0.92	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.32	J	0.28*	ug/kg	EPA 8260B	EPA 5035
B95-5 (13-07-1033-14)						
Arsenic	8.63		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	147		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.622		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.28		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.67		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	30.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.73		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.634		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	28.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	45.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	52.8		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0300	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	0.49	B,J	0.26*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.9		0.84	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.77	J	0.25*	ug/kg	EPA 8260B	EPA 5035

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Alta Environmental	Work Order:	13-07-1033
	3777 Long Beach Blvd., Annex Building	Project Name:	Panama Site
	Long Beach, CA 90802-3335	Received:	07/16/13
Attn:	Jonathan Barkman		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B95-10 (13-07-1033-15)						
Carbon Disulfide	0.41	B,J	0.24*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.2		0.80	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.59	J	0.24*	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-2.5	**13-07-1033-1-A**	**07/16/13 13:00**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:11**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	12.4	0.750	0.259	1	
Barium	102	0.500	0.154	1	
Beryllium	0.552	0.250	0.137	1	
Cadmium	1.58	0.500	0.135	1	
Chromium	35.4	0.250	0.142	1	
Cobalt	9.85	0.250	0.148	1	
Copper	29.8	0.500	0.135	1	
Lead	4.35	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	25.6	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	62.3	0.250	0.141	1	
Zinc	47.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-5	**13-07-1033-2-A**	**07/16/13 13:05**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:12**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	12.8	0.750	0.259	1	
Barium	78.1	0.500	0.154	1	
Beryllium	0.573	0.250	0.137	1	
Cadmium	3.61	0.500	0.135	1	
Chromium	31.2	0.250	0.142	1	
Cobalt	8.24	0.250	0.148	1	
Copper	29.7	0.500	0.135	1	
Lead	4.79	0.500	0.132	1	
Molybdenum	2.66	0.250	0.132	1	
Nickel	25.9	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.396	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	55.2	0.250	0.141	1	
Zinc	45.3	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B92-2.5	**13-07-1033-4-A**	**07/16/13 13:30**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:13**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	0.221	0.750	0.149	1	J
Arsenic	5.41	0.750	0.259	1	
Barium	75.7	0.500	0.154	1	
Beryllium	0.286	0.250	0.137	1	
Cadmium	0.840	0.500	0.135	1	
Chromium	21.6	0.250	0.142	1	
Cobalt	5.71	0.250	0.148	1	
Copper	18.0	0.500	0.135	1	
Lead	13.9	0.500	0.132	1	
Molybdenum	0.546	0.250	0.132	1	
Nickel	14.8	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	30.9	0.250	0.141	1	
Zinc	47.8	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B92-5	**13-07-1033-5-A**	**07/16/13 13:35**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:14**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	18.8	0.750	0.259	1	
Barium	109	0.500	0.154	1	
Beryllium	0.717	0.250	0.137	1	
Cadmium	1.43	0.500	0.135	1	
Chromium	40.0	0.250	0.142	1	
Cobalt	12.4	0.250	0.148	1	
Copper	37.4	0.500	0.135	1	
Lead	5.59	0.500	0.132	1	
Molybdenum	4.33	0.250	0.132	1	
Nickel	36.1	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	70.6	0.250	0.141	1	
Zinc	60.9	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B91-2.5	**13-07-1033-7-A**	**07/16/13 14:00**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:15**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	8.79	0.750	0.259	1	
Barium	124	0.500	0.154	1	
Beryllium	0.605	0.250	0.137	1	
Cadmium	1.59	0.500	0.135	1	
Chromium	39.3	0.250	0.142	1	
Cobalt	12.7	0.250	0.148	1	
Copper	90.4	0.500	0.135	1	
Lead	13.5	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	29.1	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	57.2	0.250	0.141	1	
Zinc	66.9	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B91-5	**13-07-1033-8-A**	**07/16/13 14:05**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:17**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	19.4	0.750	0.259	1	
Barium	181	0.500	0.154	1	
Beryllium	0.714	0.250	0.137	1	
Cadmium	1.64	0.500	0.135	1	
Chromium	41.5	0.250	0.142	1	
Cobalt	13.7	0.250	0.148	1	
Copper	38.1	0.500	0.135	1	
Lead	5.66	0.500	0.132	1	
Molybdenum	3.84	0.250	0.132	1	
Nickel	37.6	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	69.2	0.250	0.141	1	
Zinc	60.0	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B94-2.5	**13-07-1033-10-A**	**07/16/13 14:15**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:20**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	16.4	0.750	0.259	1	
Barium	153	0.500	0.154	1	
Beryllium	0.607	0.250	0.137	1	
Cadmium	2.01	0.500	0.135	1	
Chromium	39.9	0.250	0.142	1	
Cobalt	13.0	0.250	0.148	1	
Copper	36.3	0.500	0.135	1	
Lead	4.89	0.500	0.132	1	
Molybdenum	0.833	0.250	0.132	1	
Nickel	31.7	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.0893	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	74.9	0.250	0.141	1	
Zinc	53.0	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B94-5	**13-07-1033-11-A**	**07/16/13 14:20**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:21**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	14.8	0.750	0.259	1	
Barium	160	0.500	0.154	1	
Beryllium	0.734	0.250	0.137	1	
Cadmium	2.12	0.500	0.135	1	
Chromium	45.4	0.250	0.142	1	
Cobalt	12.6	0.250	0.148	1	
Copper	39.9	0.500	0.135	1	
Lead	5.72	0.500	0.132	1	
Molybdenum	5.74	0.250	0.132	1	
Nickel	39.4	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	70.8	0.250	0.141	1	
Zinc	66.7	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-2.5	**13-07-1033-13-A**	**07/16/13 00:00**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:23**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.67	0.750	0.259	1	
Barium	126	0.500	0.154	1	
Beryllium	0.588	0.250	0.137	1	
Cadmium	1.74	0.500	0.135	1	
Chromium	42.5	0.250	0.142	1	
Cobalt	10.8	0.250	0.148	1	
Copper	214	0.500	0.135	1	
Lead	15.2	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	27.7	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	48.7	0.250	0.141	1	
Zinc	84.1	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-5	**13-07-1033-14-A**	**07/16/13 00:00**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 19:24**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	8.63	0.750	0.259	1	
Barium	147	0.500	0.154	1	
Beryllium	0.622	0.250	0.137	1	
Cadmium	1.28	0.500	0.135	1	
Chromium	33.6	0.250	0.142	1	
Cobalt	8.67	0.250	0.148	1	
Copper	30.0	0.500	0.135	1	
Lead	4.73	0.500	0.132	1	
Molybdenum	0.634	0.250	0.132	1	
Nickel	28.1	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	45.9	0.250	0.141	1	
Zinc	52.8	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-17059**	**N/A**	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 18:37**	**130717L04**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	ND	0.750	0.259	1	
Barium	ND	0.500	0.154	1	
Beryllium	ND	0.250	0.137	1	
Cadmium	ND	0.500	0.135	1	
Chromium	ND	0.250	0.142	1	
Cobalt	ND	0.250	0.148	1	
Copper	ND	0.500	0.135	1	
Lead	ND	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	ND	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	ND	0.250	0.141	1	
Zinc	ND	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-2.5	**13-07-1033-1-A**	**07/16/13 13:00**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 11:45**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0115	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-5	**13-07-1033-2-A**	**07/16/13 13:05**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 11:47**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0255	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B92-2.5	**13-07-1033-4-A**	**07/16/13 13:30**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 11:49**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0115	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B92-5	**13-07-1033-5-A**	**07/16/13 13:35**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 11:51**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0221	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B91-2.5	**13-07-1033-7-A**	**07/16/13 14:00**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 11:54**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0335	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B91-5	**13-07-1033-8-A**	**07/16/13 14:05**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 11:56**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0278	0.0835	0.00588	1	J

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B94-2.5	**13-07-1033-10-A**	**07/16/13 14:15**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 11:58**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0153	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B94-5	**13-07-1033-11-A**	**07/16/13 14:20**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 12:00**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0258	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-2.5	**13-07-1033-13-A**	**07/16/13 00:00**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 12:03**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0397	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-5	**13-07-1033-14-A**	**07/16/13 00:00**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 12:09**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0300	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-007-9447**	**N/A**	**Soil**	**Mercury**	**07/18/13**	**07/18/13 11:21**	**130718L03**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-2.5	**13-07-1033-1-A**	**07/16/13 13:00**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/23/13 13:48**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	54	28-139	

B92-5	**13-07-1033-5-A**	**07/16/13 13:35**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/23/13 14:06**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	61	28-139	

B91-2.5	**13-07-1033-7-A**	**07/16/13 14:00**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/23/13 11:54**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	71	28-139	

B94-5	**13-07-1033-11-A**	**07/16/13 14:20**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/23/13 12:12**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-2.5	**13-07-1033-13-A**	**07/16/13 00:00**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/23/13 14:25**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	59	28-139	

Method Blank	099-09-011-110	N/A	Soil	GC/MS DDD	07/22/13	07/23/13 10:34	130722L06

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	32	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-2.5	**13-07-1033-1-C**	**07/16/13 13:00**	**Soil**	**GC/MS V V**	**07/16/13**	**07/17/13 14:36**	**130717L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	0.994	
Benzene	0.14	0.99	0.13	0.994	J
Bromobenzene	ND	0.99	0.21	0.994	
Bromochloromethane	ND	2.0	0.69	0.994	
Bromodichloromethane	ND	0.99	0.23	0.994	
Bromoform	ND	5.0	0.79	0.994	
Bromomethane	ND	20	9.4	0.994	
2-Butanone	ND	20	3.7	0.994	
n-Butylbenzene	ND	0.99	0.16	0.994	
sec-Butylbenzene	ND	0.99	0.57	0.994	
tert-Butylbenzene	ND	0.99	0.15	0.994	
Carbon Disulfide	0.60	9.9	0.30	0.994	B,J
Carbon Tetrachloride	ND	0.99	0.28	0.994	
Chlorobenzene	ND	0.99	0.22	0.994	
Chloroethane	ND	2.0	1.5	0.994	
Chloroform	ND	0.99	0.24	0.994	
Chloromethane	ND	20	0.30	0.994	
2-Chlorotoluene	ND	0.99	0.23	0.994	
4-Chlorotoluene	ND	0.99	0.21	0.994	
Dibromochloromethane	ND	2.0	0.57	0.994	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	0.994	
1,2-Dibromoethane	ND	0.99	0.25	0.994	
Dibromomethane	ND	0.99	0.77	0.994	
1,2-Dichlorobenzene	ND	0.99	0.23	0.994	
1,3-Dichlorobenzene	ND	0.99	0.18	0.994	
1,4-Dichlorobenzene	ND	0.99	0.22	0.994	
Dichlorodifluoromethane	ND	2.0	0.44	0.994	
1,1-Dichloroethane	ND	0.99	0.21	0.994	
1,2-Dichloroethane	ND	0.99	0.31	0.994	
1,1-Dichloroethene	ND	0.99	0.34	0.994	
c-1,2-Dichloroethene	ND	0.99	0.28	0.994	
t-1,2-Dichloroethene	ND	0.99	0.50	0.994	
1,2-Dichloropropane	ND	0.99	0.44	0.994	
1,3-Dichloropropane	ND	0.99	0.25	0.994	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	0.994	
1,1-Dichloropropene	ND	2.0	0.33	0.994	
c-1,3-Dichloropropene	ND	0.99	0.25	0.994	
t-1,3-Dichloropropene	ND	2.0	0.60	0.994	
Ethylbenzene	ND	0.99	0.15	0.994	
2-Hexanone	ND	20	1.8	0.994	
Isopropylbenzene	ND	0.99	0.54	0.994	
p-Isopropyltoluene	ND	0.99	0.63	0.994	
Methylene Chloride	ND	9.9	1.3	0.994	
4-Methyl-2-Pentanone	ND	20	4.3	0.994	
Naphthalene	ND	9.9	0.81	0.994	
n-Propylbenzene	ND	2.0	0.50	0.994	
Styrene	ND	0.99	0.60	0.994	
1,1,1,2-Tetrachloroethane	ND	0.99	0.24	0.994	
1,1,2,2-Tetrachloroethane	ND	2.0	0.34	0.994	
Tetrachloroethene	65	0.99	0.21	0.994	
Toluene	ND	0.99	0.51	0.994	
1,2,3-Trichlorobenzene	ND	2.0	0.91	0.994	
1,2,4-Trichlorobenzene	ND	2.0	0.31	0.994	
1,1,1-Trichloroethane	ND	0.99	0.22	0.994	
1,1,2-Trichloroethane	ND	0.99	0.35	0.994	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.9	0.35	0.994	
Trichloroethene	ND	2.0	0.30	0.994	
Trichlorofluoromethane	ND	9.9	0.37	0.994	
1,2,3-Trichloropropane	ND	2.0	0.83	0.994	
1,2,4-Trimethylbenzene	ND	2.0	0.58	0.994	
1,3,5-Trimethylbenzene	ND	2.0	0.55	0.994	
Vinyl Acetate	ND	9.9	4.7	0.994	
Vinyl Chloride	ND	0.99	0.50	0.994	
p/m-Xylene	ND	2.0	0.27	0.994	
o-Xylene	ND	0.99	0.55	0.994	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.29	0.994	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	119	71-155	
Toluene-d8	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-5	**13-07-1033-2-D**	**07/16/13 13:05**	**Soil**	**GC/MS V V**	**07/16/13**	**07/19/13 13:04**	**130719L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	44	5.4	0.87	
Benzene	ND	0.87	0.11	0.87	
Bromobenzene	ND	0.87	0.18	0.87	
Bromochloromethane	ND	1.7	0.60	0.87	
Bromodichloromethane	ND	0.87	0.20	0.87	
Bromoform	ND	4.4	0.69	0.87	
Bromomethane	ND	17	8.2	0.87	
2-Butanone	ND	17	3.3	0.87	
n-Butylbenzene	ND	0.87	0.14	0.87	
sec-Butylbenzene	ND	0.87	0.50	0.87	
tert-Butylbenzene	ND	0.87	0.13	0.87	
Carbon Disulfide	0.53	8.7	0.27	0.87	B,J
Carbon Tetrachloride	ND	0.87	0.25	0.87	
Chlorobenzene	ND	0.87	0.19	0.87	
Chloroethane	ND	1.7	1.3	0.87	
Chloroform	ND	0.87	0.21	0.87	
Chloromethane	ND	17	0.26	0.87	
2-Chlorotoluene	ND	0.87	0.20	0.87	
4-Chlorotoluene	ND	0.87	0.19	0.87	
Dibromochloromethane	ND	1.7	0.50	0.87	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.87	
1,2-Dibromoethane	ND	0.87	0.22	0.87	
Dibromomethane	ND	0.87	0.67	0.87	
1,2-Dichlorobenzene	ND	0.87	0.20	0.87	
1,3-Dichlorobenzene	ND	0.87	0.15	0.87	
1,4-Dichlorobenzene	ND	0.87	0.19	0.87	
Dichlorodifluoromethane	ND	1.7	0.39	0.87	
1,1-Dichloroethane	ND	0.87	0.18	0.87	
1,2-Dichloroethane	ND	0.87	0.27	0.87	
1,1-Dichloroethene	ND	0.87	0.30	0.87	
c-1,2-Dichloroethene	ND	0.87	0.24	0.87	
t-1,2-Dichloroethene	ND	0.87	0.44	0.87	
1,2-Dichloropropane	ND	0.87	0.38	0.87	
1,3-Dichloropropane	ND	0.87	0.22	0.87	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.87	
1,1-Dichloropropene	ND	1.7	0.29	0.87	
c-1,3-Dichloropropene	ND	0.87	0.22	0.87	
t-1,3-Dichloropropene	ND	1.7	0.53	0.87	
Ethylbenzene	ND	0.87	0.13	0.87	
2-Hexanone	ND	17	1.5	0.87	
Isopropylbenzene	ND	0.87	0.48	0.87	
p-Isopropyltoluene	ND	0.87	0.55	0.87	
Methylene Chloride	ND	8.7	1.2	0.87	
4-Methyl-2-Pentanone	ND	17	3.8	0.87	
Naphthalene	ND	8.7	0.71	0.87	
n-Propylbenzene	ND	1.7	0.44	0.87	
Styrene	ND	0.87	0.53	0.87	
1,1,1,2-Tetrachloroethane	ND	0.87	0.21	0.87	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	0.87	
Tetrachloroethene	9.5	0.87	0.18	0.87	
Toluene	ND	0.87	0.45	0.87	
1,2,3-Trichlorobenzene	ND	1.7	0.79	0.87	
1,2,4-Trichlorobenzene	ND	1.7	0.27	0.87	
1,1,1-Trichloroethane	ND	0.87	0.20	0.87	
1,1,2-Trichloroethane	ND	0.87	0.31	0.87	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	0.31	0.87	
Trichloroethene	ND	1.7	0.26	0.87	
Trichlorofluoromethane	ND	8.7	0.33	0.87	
1,2,3-Trichloropropane	ND	1.7	0.72	0.87	
1,2,4-Trimethylbenzene	ND	1.7	0.51	0.87	
1,3,5-Trimethylbenzene	ND	1.7	0.48	0.87	
Vinyl Acetate	ND	8.7	4.1	0.87	
Vinyl Chloride	ND	0.87	0.44	0.87	
p/m-Xylene	ND	1.7	0.23	0.87	
o-Xylene	ND	0.87	0.48	0.87	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.26	0.87	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	121	71-155	
Toluene-d8	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B93-10	**13-07-1033-3-D**	**07/16/13 13:10**	**Soil**	**GC/MS V V**	**07/16/13**	**07/19/13 13:34**	**130719L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	39	4.9	0.786	
Benzene	0.12	0.79	0.10	0.786	J
Bromobenzene	ND	0.79	0.16	0.786	
Bromochloromethane	ND	1.6	0.54	0.786	
Bromodichloromethane	ND	0.79	0.18	0.786	
Bromoform	ND	3.9	0.62	0.786	
Bromomethane	ND	16	7.4	0.786	
2-Butanone	ND	16	3.0	0.786	
n-Butylbenzene	ND	0.79	0.12	0.786	
sec-Butylbenzene	ND	0.79	0.45	0.786	
tert-Butylbenzene	ND	0.79	0.12	0.786	
Carbon Disulfide	0.49	7.9	0.24	0.786	B,J
Carbon Tetrachloride	ND	0.79	0.22	0.786	
Chlorobenzene	ND	0.79	0.18	0.786	
Chloroethane	ND	1.6	1.2	0.786	
Chloroform	ND	0.79	0.19	0.786	
Chloromethane	ND	16	0.24	0.786	
2-Chlorotoluene	ND	0.79	0.18	0.786	
4-Chlorotoluene	ND	0.79	0.17	0.786	
Dibromochloromethane	ND	1.6	0.45	0.786	
1,2-Dibromo-3-Chloropropane	ND	3.9	1.4	0.786	
1,2-Dibromoethane	ND	0.79	0.20	0.786	
Dibromomethane	ND	0.79	0.61	0.786	
1,2-Dichlorobenzene	ND	0.79	0.18	0.786	
1,3-Dichlorobenzene	ND	0.79	0.14	0.786	
1,4-Dichlorobenzene	ND	0.79	0.17	0.786	
Dichlorodifluoromethane	ND	1.6	0.35	0.786	
1,1-Dichloroethane	ND	0.79	0.17	0.786	
1,2-Dichloroethane	ND	0.79	0.25	0.786	
1,1-Dichloroethene	ND	0.79	0.27	0.786	
c-1,2-Dichloroethene	ND	0.79	0.22	0.786	
t-1,2-Dichloroethene	ND	0.79	0.40	0.786	
1,2-Dichloropropane	ND	0.79	0.34	0.786	
1,3-Dichloropropane	ND	0.79	0.20	0.786	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	3.9	0.26	0.786	
1,1-Dichloropropene	ND	1.6	0.26	0.786	
c-1,3-Dichloropropene	ND	0.79	0.20	0.786	
t-1,3-Dichloropropene	ND	1.6	0.48	0.786	
Ethylbenzene	ND	0.79	0.12	0.786	
2-Hexanone	ND	16	1.4	0.786	
Isopropylbenzene	ND	0.79	0.43	0.786	
p-Isopropyltoluene	ND	0.79	0.49	0.786	
Methylene Chloride	ND	7.9	1.1	0.786	
4-Methyl-2-Pentanone	ND	16	3.4	0.786	
Naphthalene	ND	7.9	0.64	0.786	
n-Propylbenzene	ND	1.6	0.39	0.786	
Styrene	ND	0.79	0.48	0.786	
1,1,1,2-Tetrachloroethane	ND	0.79	0.19	0.786	
1,1,2,2-Tetrachloroethane	ND	1.6	0.27	0.786	
Tetrachloroethene	16	0.79	0.16	0.786	
Toluene	ND	0.79	0.40	0.786	
1,2,3-Trichlorobenzene	ND	1.6	0.72	0.786	
1,2,4-Trichlorobenzene	ND	1.6	0.24	0.786	
1,1,1-Trichloroethane	ND	0.79	0.18	0.786	
1,1,2-Trichloroethane	ND	0.79	0.28	0.786	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.9	0.28	0.786	
Trichloroethene	ND	1.6	0.24	0.786	
Trichlorofluoromethane	ND	7.9	0.29	0.786	
1,2,3-Trichloropropane	ND	1.6	0.65	0.786	
1,2,4-Trimethylbenzene	ND	1.6	0.46	0.786	
1,3,5-Trimethylbenzene	ND	1.6	0.43	0.786	
Vinyl Acetate	ND	7.9	3.7	0.786	
Vinyl Chloride	ND	0.79	0.40	0.786	
p/m-Xylene	ND	1.6	0.21	0.786	
o-Xylene	ND	0.79	0.44	0.786	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.23	0.786	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	118	71-155	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B92-2.5	**13-07-1033-4-D**	**07/16/13 13:30**	**Soil**	**GC/MS V V**	**07/16/13**	**07/19/13 14:04**	**130719L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	52	39	4.8	0.773	
Benzene	0.16	0.77	0.10	0.773	J
Bromobenzene	ND	0.77	0.16	0.773	
Bromochloromethane	ND	1.5	0.53	0.773	
Bromodichloromethane	ND	0.77	0.18	0.773	
Bromoform	ND	3.9	0.61	0.773	
Bromomethane	ND	15	7.3	0.773	
2-Butanone	7.5	15	2.9	0.773	J
n-Butylbenzene	ND	0.77	0.12	0.773	
sec-Butylbenzene	ND	0.77	0.45	0.773	
tert-Butylbenzene	ND	0.77	0.12	0.773	
Carbon Disulfide	0.56	7.7	0.24	0.773	B,J
Carbon Tetrachloride	ND	0.77	0.22	0.773	
Chlorobenzene	ND	0.77	0.17	0.773	
Chloroethane	ND	1.5	1.2	0.773	
Chloroform	ND	0.77	0.18	0.773	
Chloromethane	ND	15	0.24	0.773	
2-Chlorotoluene	ND	0.77	0.18	0.773	
4-Chlorotoluene	ND	0.77	0.16	0.773	
Dibromochloromethane	ND	1.5	0.44	0.773	
1,2-Dibromo-3-Chloropropane	ND	3.9	1.3	0.773	
1,2-Dibromoethane	ND	0.77	0.20	0.773	
Dibromomethane	ND	0.77	0.60	0.773	
1,2-Dichlorobenzene	ND	0.77	0.18	0.773	
1,3-Dichlorobenzene	ND	0.77	0.14	0.773	
1,4-Dichlorobenzene	ND	0.77	0.17	0.773	
Dichlorodifluoromethane	ND	1.5	0.34	0.773	
1,1-Dichloroethane	ND	0.77	0.16	0.773	
1,2-Dichloroethane	ND	0.77	0.24	0.773	
1,1-Dichloroethene	ND	0.77	0.27	0.773	
c-1,2-Dichloroethene	ND	0.77	0.22	0.773	
t-1,2-Dichloroethene	ND	0.77	0.39	0.773	
1,2-Dichloropropane	ND	0.77	0.34	0.773	
1,3-Dichloropropane	ND	0.77	0.20	0.773	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	3.9	0.26	0.773	
1,1-Dichloropropene	ND	1.5	0.25	0.773	
c-1,3-Dichloropropene	ND	0.77	0.20	0.773	
t-1,3-Dichloropropene	ND	1.5	0.47	0.773	
Ethylbenzene	ND	0.77	0.12	0.773	
2-Hexanone	ND	15	1.4	0.773	
Isopropylbenzene	ND	0.77	0.42	0.773	
p-Isopropyltoluene	ND	0.77	0.49	0.773	
Methylene Chloride	ND	7.7	1.0	0.773	
4-Methyl-2-Pentanone	ND	15	3.3	0.773	
Naphthalene	ND	7.7	0.63	0.773	
n-Propylbenzene	ND	1.5	0.39	0.773	
Styrene	ND	0.77	0.47	0.773	
1,1,1,2-Tetrachloroethane	ND	0.77	0.19	0.773	
1,1,2,2-Tetrachloroethane	ND	1.5	0.27	0.773	
Tetrachloroethene	1.3	0.77	0.16	0.773	
Toluene	ND	0.77	0.40	0.773	
1,2,3-Trichlorobenzene	ND	1.5	0.71	0.773	
1,2,4-Trichlorobenzene	ND	1.5	0.24	0.773	
1,1,1-Trichloroethane	ND	0.77	0.17	0.773	
1,1,2-Trichloroethane	ND	0.77	0.27	0.773	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.7	0.27	0.773	
Trichloroethene	ND	1.5	0.23	0.773	
Trichlorofluoromethane	ND	7.7	0.29	0.773	
1,2,3-Trichloropropane	ND	1.5	0.64	0.773	
1,2,4-Trimethylbenzene	ND	1.5	0.45	0.773	
1,3,5-Trimethylbenzene	ND	1.5	0.42	0.773	
Vinyl Acetate	ND	7.7	3.7	0.773	
Vinyl Chloride	ND	0.77	0.39	0.773	
p/m-Xylene	ND	1.5	0.21	0.773	
o-Xylene	ND	0.77	0.43	0.773	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	0.23	0.773	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	117	71-155	
Toluene-d8	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B92-5	**13-07-1033-5-D**	**07/16/13 13:35**	**Soil**	**GC/MS V V**	**07/16/13**	**07/19/13 14:34**	**130719L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	5.0	0.806	
Benzene	ND	0.81	0.10	0.806	
Bromobenzene	ND	0.81	0.17	0.806	
Bromochloromethane	ND	1.6	0.56	0.806	
Bromodichloromethane	ND	0.81	0.19	0.806	
Bromoform	ND	4.0	0.64	0.806	
Bromomethane	ND	16	7.6	0.806	
2-Butanone	ND	16	3.0	0.806	
n-Butylbenzene	ND	0.81	0.13	0.806	
sec-Butylbenzene	ND	0.81	0.47	0.806	
tert-Butylbenzene	ND	0.81	0.12	0.806	
Carbon Disulfide	0.57	8.1	0.25	0.806	B,J
Carbon Tetrachloride	ND	0.81	0.23	0.806	
Chlorobenzene	ND	0.81	0.18	0.806	
Chloroethane	ND	1.6	1.2	0.806	
Chloroform	ND	0.81	0.19	0.806	
Chloromethane	ND	16	0.25	0.806	
2-Chlorotoluene	ND	0.81	0.19	0.806	
4-Chlorotoluene	ND	0.81	0.17	0.806	
Dibromochloromethane	ND	1.6	0.46	0.806	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.806	
1,2-Dibromoethane	ND	0.81	0.21	0.806	
Dibromomethane	ND	0.81	0.62	0.806	
1,2-Dichlorobenzene	ND	0.81	0.18	0.806	
1,3-Dichlorobenzene	ND	0.81	0.14	0.806	
1,4-Dichlorobenzene	ND	0.81	0.18	0.806	
Dichlorodifluoromethane	ND	1.6	0.36	0.806	
1,1-Dichloroethane	ND	0.81	0.17	0.806	
1,2-Dichloroethane	ND	0.81	0.25	0.806	
1,1-Dichloroethene	ND	0.81	0.28	0.806	
c-1,2-Dichloroethene	ND	0.81	0.23	0.806	
t-1,2-Dichloroethene	ND	0.81	0.41	0.806	
1,2-Dichloropropane	ND	0.81	0.35	0.806	
1,3-Dichloropropane	ND	0.81	0.20	0.806	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.27	0.806	
1,1-Dichloropropene	ND	1.6	0.26	0.806	
c-1,3-Dichloropropene	ND	0.81	0.21	0.806	
t-1,3-Dichloropropene	ND	1.6	0.49	0.806	
Ethylbenzene	ND	0.81	0.12	0.806	
2-Hexanone	ND	16	1.4	0.806	
Isopropylbenzene	ND	0.81	0.44	0.806	
p-Isopropyltoluene	ND	0.81	0.51	0.806	
Methylene Chloride	ND	8.1	1.1	0.806	
4-Methyl-2-Pentanone	ND	16	3.5	0.806	
Naphthalene	ND	8.1	0.66	0.806	
n-Propylbenzene	ND	1.6	0.40	0.806	
Styrene	ND	0.81	0.49	0.806	
1,1,1,2-Tetrachloroethane	ND	0.81	0.19	0.806	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.806	
Tetrachloroethene	0.38	0.81	0.17	0.806	J
Toluene	ND	0.81	0.42	0.806	
1,2,3-Trichlorobenzene	ND	1.6	0.74	0.806	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.806	
1,1,1-Trichloroethane	ND	0.81	0.18	0.806	
1,1,2-Trichloroethane	ND	0.81	0.29	0.806	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.28	0.806	
Trichloroethene	ND	1.6	0.24	0.806	
Trichlorofluoromethane	ND	8.1	0.30	0.806	
1,2,3-Trichloropropane	ND	1.6	0.67	0.806	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.806	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.806	
Vinyl Acetate	ND	8.1	3.8	0.806	
Vinyl Chloride	ND	0.81	0.41	0.806	
p/m-Xylene	ND	1.6	0.22	0.806	
o-Xylene	ND	0.81	0.45	0.806	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.806	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	120	71-155	
Toluene-d8	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B92-10	**13-07-1033-6-C**	**07/16/13 13:40**	**Soil**	**GC/MS V V**	**07/16/13**	**07/17/13 19:07**	**130717L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	5.0	0.808	
Benzene	ND	0.81	0.10	0.808	
Bromobenzene	ND	0.81	0.17	0.808	
Bromochloromethane	ND	1.6	0.56	0.808	
Bromodichloromethane	ND	0.81	0.19	0.808	
Bromoform	ND	4.0	0.64	0.808	
Bromomethane	ND	16	7.6	0.808	
2-Butanone	ND	16	3.0	0.808	
n-Butylbenzene	ND	0.81	0.13	0.808	
sec-Butylbenzene	ND	0.81	0.47	0.808	
tert-Butylbenzene	ND	0.81	0.12	0.808	
Carbon Disulfide	0.50	8.1	0.25	0.808	B,J
Carbon Tetrachloride	ND	0.81	0.23	0.808	
Chlorobenzene	ND	0.81	0.18	0.808	
Chloroethane	ND	1.6	1.2	0.808	
Chloroform	ND	0.81	0.19	0.808	
Chloromethane	ND	16	0.25	0.808	
2-Chlorotoluene	ND	0.81	0.19	0.808	
4-Chlorotoluene	ND	0.81	0.17	0.808	
Dibromochloromethane	ND	1.6	0.46	0.808	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.808	
1,2-Dibromoethane	ND	0.81	0.21	0.808	
Dibromomethane	ND	0.81	0.63	0.808	
1,2-Dichlorobenzene	ND	0.81	0.18	0.808	
1,3-Dichlorobenzene	ND	0.81	0.14	0.808	
1,4-Dichlorobenzene	ND	0.81	0.18	0.808	
Dichlorodifluoromethane	ND	1.6	0.36	0.808	
1,1-Dichloroethane	ND	0.81	0.17	0.808	
1,2-Dichloroethane	ND	0.81	0.25	0.808	
1,1-Dichloroethene	ND	0.81	0.28	0.808	
c-1,2-Dichloroethene	ND	0.81	0.23	0.808	
t-1,2-Dichloroethene	ND	0.81	0.41	0.808	
1,2-Dichloropropane	ND	0.81	0.35	0.808	
1,3-Dichloropropane	ND	0.81	0.20	0.808	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.27	0.808	
1,1-Dichloropropene	ND	1.6	0.27	0.808	
c-1,3-Dichloropropene	ND	0.81	0.21	0.808	
t-1,3-Dichloropropene	ND	1.6	0.49	0.808	
Ethylbenzene	ND	0.81	0.12	0.808	
2-Hexanone	ND	16	1.4	0.808	
Isopropylbenzene	ND	0.81	0.44	0.808	
p-Isopropyltoluene	ND	0.81	0.51	0.808	
Methylene Chloride	ND	8.1	1.1	0.808	
4-Methyl-2-Pentanone	ND	16	3.5	0.808	
Naphthalene	ND	8.1	0.66	0.808	
n-Propylbenzene	ND	1.6	0.41	0.808	
Styrene	ND	0.81	0.49	0.808	
1,1,1,2-Tetrachloroethane	ND	0.81	0.19	0.808	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.808	
Tetrachloroethene	ND	0.81	0.17	0.808	
Toluene	ND	0.81	0.42	0.808	
1,2,3-Trichlorobenzene	ND	1.6	0.74	0.808	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.808	
1,1,1-Trichloroethane	ND	0.81	0.18	0.808	
1,1,2-Trichloroethane	ND	0.81	0.29	0.808	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.28	0.808	
Trichloroethene	ND	1.6	0.24	0.808	
Trichlorofluoromethane	ND	8.1	0.30	0.808	
1,2,3-Trichloropropane	ND	1.6	0.67	0.808	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.808	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.808	
Vinyl Acetate	ND	8.1	3.8	0.808	
Vinyl Chloride	ND	0.81	0.41	0.808	
p/m-Xylene	ND	1.6	0.22	0.808	
o-Xylene	ND	0.81	0.45	0.808	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.808	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	92	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B91-2.5	**13-07-1033-7-C**	**07/16/13 14:00**	**Soil**	**GC/MS V V**	**07/16/13**	**07/17/13 19:37**	**130717L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	23	50	6.2	1	J
Benzene	0.87	1.0	0.13	1	J
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	0.70	10	0.31	1	B,J
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	77	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	114	71-155	
Toluene-d8	92	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B91-5	**13-07-1033-8-C**	**07/16/13 14:05**	**Soil**	**GC/MS V V**	**07/16/13**	**07/17/13 20:07**	**130717L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	5.8	43	5.4	0.867	J
Benzene	ND	0.87	0.11	0.867	
Bromobenzene	ND	0.87	0.18	0.867	
Bromochloromethane	ND	1.7	0.60	0.867	
Bromodichloromethane	ND	0.87	0.20	0.867	
Bromoform	ND	4.3	0.69	0.867	
Bromomethane	ND	17	8.2	0.867	
2-Butanone	ND	17	3.3	0.867	
n-Butylbenzene	ND	0.87	0.14	0.867	
sec-Butylbenzene	ND	0.87	0.50	0.867	
tert-Butylbenzene	ND	0.87	0.13	0.867	
Carbon Disulfide	0.49	8.7	0.27	0.867	B,J
Carbon Tetrachloride	ND	0.87	0.25	0.867	
Chlorobenzene	ND	0.87	0.19	0.867	
Chloroethane	ND	1.7	1.3	0.867	
Chloroform	ND	0.87	0.21	0.867	
Chloromethane	ND	17	0.26	0.867	
2-Chlorotoluene	ND	0.87	0.20	0.867	
4-Chlorotoluene	ND	0.87	0.18	0.867	
Dibromochloromethane	ND	1.7	0.49	0.867	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.867	
1,2-Dibromoethane	ND	0.87	0.22	0.867	
Dibromomethane	ND	0.87	0.67	0.867	
1,2-Dichlorobenzene	ND	0.87	0.20	0.867	
1,3-Dichlorobenzene	ND	0.87	0.15	0.867	
1,4-Dichlorobenzene	ND	0.87	0.19	0.867	
Dichlorodifluoromethane	ND	1.7	0.38	0.867	
1,1-Dichloroethane	ND	0.87	0.18	0.867	
1,2-Dichloroethane	ND	0.87	0.27	0.867	
1,1-Dichloroethene	ND	0.87	0.30	0.867	
c-1,2-Dichloroethene	ND	0.87	0.24	0.867	
t-1,2-Dichloroethene	ND	0.87	0.44	0.867	
1,2-Dichloropropane	ND	0.87	0.38	0.867	
1,3-Dichloropropane	ND	0.87	0.22	0.867	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.3	0.29	0.867	
1,1-Dichloropropene	ND	1.7	0.28	0.867	
c-1,3-Dichloropropene	ND	0.87	0.22	0.867	
t-1,3-Dichloropropene	ND	1.7	0.53	0.867	
Ethylbenzene	ND	0.87	0.13	0.867	
2-Hexanone	ND	17	1.5	0.867	
Isopropylbenzene	ND	0.87	0.47	0.867	
p-Isopropyltoluene	ND	0.87	0.55	0.867	
Methylene Chloride	ND	8.7	1.2	0.867	
4-Methyl-2-Pentanone	ND	17	3.7	0.867	
Naphthalene	ND	8.7	0.71	0.867	
n-Propylbenzene	ND	1.7	0.44	0.867	
Styrene	ND	0.87	0.52	0.867	
1,1,1,2-Tetrachloroethane	ND	0.87	0.21	0.867	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	0.867	
Tetrachloroethene	5.2	0.87	0.18	0.867	
Toluene	ND	0.87	0.45	0.867	
1,2,3-Trichlorobenzene	ND	1.7	0.79	0.867	
1,2,4-Trichlorobenzene	ND	1.7	0.27	0.867	
1,1,1-Trichloroethane	ND	0.87	0.20	0.867	
1,1,2-Trichloroethane	ND	0.87	0.31	0.867	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	0.31	0.867	
Trichloroethene	ND	1.7	0.26	0.867	
Trichlorofluoromethane	ND	8.7	0.33	0.867	
1,2,3-Trichloropropane	ND	1.7	0.72	0.867	
1,2,4-Trimethylbenzene	ND	1.7	0.51	0.867	
1,3,5-Trimethylbenzene	ND	1.7	0.48	0.867	
Vinyl Acetate	ND	8.7	4.1	0.867	
Vinyl Chloride	ND	0.87	0.44	0.867	
p/m-Xylene	ND	1.7	0.23	0.867	
o-Xylene	ND	0.87	0.48	0.867	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.26	0.867	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	114	71-155	
Toluene-d8	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B91-10	**13-07-1033-9-C**	**07/16/13 14:10**	**Soil**	**GC/MS V V**	**07/16/13**	**07/17/13 20:37**	**130717L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	41	5.1	0.82	
Benzene	ND	0.82	0.11	0.82	
Bromobenzene	ND	0.82	0.17	0.82	
Bromochloromethane	ND	1.6	0.57	0.82	
Bromodichloromethane	ND	0.82	0.19	0.82	
Bromoform	ND	4.1	0.65	0.82	
Bromomethane	ND	16	7.7	0.82	
2-Butanone	ND	16	3.1	0.82	
n-Butylbenzene	ND	0.82	0.13	0.82	
sec-Butylbenzene	ND	0.82	0.47	0.82	
tert-Butylbenzene	ND	0.82	0.12	0.82	
Carbon Disulfide	0.46	8.2	0.25	0.82	B,J
Carbon Tetrachloride	ND	0.82	0.23	0.82	
Chlorobenzene	ND	0.82	0.18	0.82	
Chloroethane	ND	1.6	1.2	0.82	
Chloroform	ND	0.82	0.20	0.82	
Chloromethane	ND	16	0.25	0.82	
2-Chlorotoluene	ND	0.82	0.19	0.82	
4-Chlorotoluene	ND	0.82	0.17	0.82	
Dibromochloromethane	ND	1.6	0.47	0.82	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.82	
1,2-Dibromoethane	ND	0.82	0.21	0.82	
Dibromomethane	ND	0.82	0.64	0.82	
1,2-Dichlorobenzene	ND	0.82	0.19	0.82	
1,3-Dichlorobenzene	ND	0.82	0.14	0.82	
1,4-Dichlorobenzene	ND	0.82	0.18	0.82	
Dichlorodifluoromethane	ND	1.6	0.36	0.82	
1,1-Dichloroethane	ND	0.82	0.17	0.82	
1,2-Dichloroethane	ND	0.82	0.26	0.82	
1,1-Dichloroethene	ND	0.82	0.28	0.82	
c-1,2-Dichloroethene	ND	0.82	0.23	0.82	
t-1,2-Dichloroethene	ND	0.82	0.41	0.82	
1,2-Dichloropropane	ND	0.82	0.36	0.82	
1,3-Dichloropropane	ND	0.82	0.21	0.82	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.82	
1,1-Dichloropropene	ND	1.6	0.27	0.82	
c-1,3-Dichloropropene	ND	0.82	0.21	0.82	
t-1,3-Dichloropropene	ND	1.6	0.50	0.82	
Ethylbenzene	ND	0.82	0.12	0.82	
2-Hexanone	ND	16	1.4	0.82	
Isopropylbenzene	ND	0.82	0.45	0.82	
p-Isopropyltoluene	ND	0.82	0.52	0.82	
Methylene Chloride	ND	8.2	1.1	0.82	
4-Methyl-2-Pentanone	ND	16	3.5	0.82	
Naphthalene	ND	8.2	0.67	0.82	
n-Propylbenzene	ND	1.6	0.41	0.82	
Styrene	ND	0.82	0.50	0.82	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	0.82	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.82	
Tetrachloroethene	6.3	0.82	0.17	0.82	
Toluene	ND	0.82	0.42	0.82	
1,2,3-Trichlorobenzene	ND	1.6	0.75	0.82	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.82	
1,1,1-Trichloroethane	ND	0.82	0.18	0.82	
1,1,2-Trichloroethane	ND	0.82	0.29	0.82	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	0.82	
Trichloroethene	ND	1.6	0.25	0.82	
Trichlorofluoromethane	ND	8.2	0.31	0.82	
1,2,3-Trichloropropane	ND	1.6	0.68	0.82	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.82	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.82	
Vinyl Acetate	ND	8.2	3.9	0.82	
Vinyl Chloride	ND	0.82	0.41	0.82	
p/m-Xylene	ND	1.6	0.22	0.82	
o-Xylene	ND	0.82	0.46	0.82	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.82	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B94-2.5	**13-07-1033-10-C**	**07/16/13 14:15**	**Soil**	**GC/MS V V**	**07/16/13**	**07/17/13 21:07**	**130717L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	51	45	5.6	0.894	
Benzene	0.82	0.89	0.12	0.894	J
Bromobenzene	ND	0.89	0.19	0.894	
Bromochloromethane	ND	1.8	0.62	0.894	
Bromodichloromethane	ND	0.89	0.21	0.894	
Bromoform	ND	4.5	0.71	0.894	
Bromomethane	ND	18	8.4	0.894	
2-Butanone	4.8	18	3.4	0.894	J
n-Butylbenzene	ND	0.89	0.14	0.894	
sec-Butylbenzene	ND	0.89	0.52	0.894	
tert-Butylbenzene	ND	0.89	0.13	0.894	
Carbon Disulfide	0.83	8.9	0.27	0.894	B,J
Carbon Tetrachloride	ND	0.89	0.25	0.894	
Chlorobenzene	ND	0.89	0.20	0.894	
Chloroethane	ND	1.8	1.3	0.894	
Chloroform	ND	0.89	0.21	0.894	
Chloromethane	ND	18	0.27	0.894	
2-Chlorotoluene	ND	0.89	0.21	0.894	
4-Chlorotoluene	ND	0.89	0.19	0.894	
Dibromochloromethane	ND	1.8	0.51	0.894	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.894	
1,2-Dibromoethane	ND	0.89	0.23	0.894	
Dibromomethane	ND	0.89	0.69	0.894	
1,2-Dichlorobenzene	ND	0.89	0.20	0.894	
1,3-Dichlorobenzene	ND	0.89	0.16	0.894	
1,4-Dichlorobenzene	ND	0.89	0.20	0.894	
Dichlorodifluoromethane	ND	1.8	0.40	0.894	
1,1-Dichloroethane	ND	0.89	0.19	0.894	
1,2-Dichloroethane	ND	0.89	0.28	0.894	
1,1-Dichloroethene	ND	0.89	0.31	0.894	
c-1,2-Dichloroethene	ND	0.89	0.25	0.894	
t-1,2-Dichloroethene	ND	0.89	0.45	0.894	
1,2-Dichloropropane	ND	0.89	0.39	0.894	
1,3-Dichloropropane	ND	0.89	0.23	0.894	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	0.894	
1,1-Dichloropropene	ND	1.8	0.29	0.894	
c-1,3-Dichloropropene	ND	0.89	0.23	0.894	
t-1,3-Dichloropropene	ND	1.8	0.54	0.894	
Ethylbenzene	ND	0.89	0.14	0.894	
2-Hexanone	ND	18	1.6	0.894	
Isopropylbenzene	ND	0.89	0.49	0.894	
p-Isopropyltoluene	ND	0.89	0.56	0.894	
Methylene Chloride	ND	8.9	1.2	0.894	
4-Methyl-2-Pentanone	ND	18	3.9	0.894	
Naphthalene	ND	8.9	0.73	0.894	
n-Propylbenzene	ND	1.8	0.45	0.894	
Styrene	ND	0.89	0.54	0.894	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	0.894	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.894	
Tetrachloroethene	49	0.89	0.19	0.894	
Toluene	ND	0.89	0.46	0.894	
1,2,3-Trichlorobenzene	ND	1.8	0.82	0.894	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.894	
1,1,1-Trichloroethane	ND	0.89	0.20	0.894	
1,1,2-Trichloroethane	ND	0.89	0.32	0.894	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	0.894	
Trichloroethene	ND	1.8	0.27	0.894	
Trichlorofluoromethane	ND	8.9	0.34	0.894	
1,2,3-Trichloropropane	ND	1.8	0.74	0.894	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.894	
1,3,5-Trimethylbenzene	ND	1.8	0.49	0.894	
Vinyl Acetate	ND	8.9	4.2	0.894	
Vinyl Chloride	ND	0.89	0.45	0.894	
p/m-Xylene	ND	1.8	0.24	0.894	
o-Xylene	ND	0.89	0.50	0.894	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.894	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	80	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	123	71-155	
Toluene-d8	91	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B94-5	**13-07-1033-11-C**	**07/16/13 14:20**	**Soil**	**GC/MS V V**	**07/16/13**	**07/17/13 21:37**	**130717L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	8.1	44	5.5	0.88	J
Benzene	ND	0.88	0.11	0.88	
Bromobenzene	ND	0.88	0.18	0.88	
Bromochloromethane	ND	1.8	0.61	0.88	
Bromodichloromethane	ND	0.88	0.20	0.88	
Bromoform	ND	4.4	0.70	0.88	
Bromomethane	ND	18	8.3	0.88	
2-Butanone	ND	18	3.3	0.88	
n-Butylbenzene	ND	0.88	0.14	0.88	
sec-Butylbenzene	ND	0.88	0.51	0.88	
tert-Butylbenzene	ND	0.88	0.13	0.88	
Carbon Disulfide	0.54	8.8	0.27	0.88	B,J
Carbon Tetrachloride	ND	0.88	0.25	0.88	
Chlorobenzene	ND	0.88	0.20	0.88	
Chloroethane	ND	1.8	1.3	0.88	
Chloroform	ND	0.88	0.21	0.88	
Chloromethane	ND	18	0.27	0.88	
2-Chlorotoluene	ND	0.88	0.20	0.88	
4-Chlorotoluene	ND	0.88	0.19	0.88	
Dibromochloromethane	ND	1.8	0.50	0.88	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.88	
1,2-Dibromoethane	ND	0.88	0.22	0.88	
Dibromomethane	ND	0.88	0.68	0.88	
1,2-Dichlorobenzene	ND	0.88	0.20	0.88	
1,3-Dichlorobenzene	ND	0.88	0.15	0.88	
1,4-Dichlorobenzene	ND	0.88	0.20	0.88	
Dichlorodifluoromethane	ND	1.8	0.39	0.88	
1,1-Dichloroethane	ND	0.88	0.19	0.88	
1,2-Dichloroethane	ND	0.88	0.28	0.88	
1,1-Dichloroethene	ND	0.88	0.30	0.88	
c-1,2-Dichloroethene	ND	0.88	0.25	0.88	
t-1,2-Dichloroethene	ND	0.88	0.45	0.88	
1,2-Dichloropropane	ND	0.88	0.39	0.88	
1,3-Dichloropropane	ND	0.88	0.22	0.88	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.88	
1,1-Dichloropropene	ND	1.8	0.29	0.88	
c-1,3-Dichloropropene	ND	0.88	0.22	0.88	
t-1,3-Dichloropropene	ND	1.8	0.53	0.88	
Ethylbenzene	ND	0.88	0.13	0.88	
2-Hexanone	ND	18	1.6	0.88	
Isopropylbenzene	ND	0.88	0.48	0.88	
p-Isopropyltoluene	ND	0.88	0.55	0.88	
Methylene Chloride	ND	8.8	1.2	0.88	
4-Methyl-2-Pentanone	ND	18	3.8	0.88	
Naphthalene	ND	8.8	0.72	0.88	
n-Propylbenzene	ND	1.8	0.44	0.88	
Styrene	ND	0.88	0.53	0.88	
1,1,1,2-Tetrachloroethane	ND	0.88	0.21	0.88	
1,1,2,2-Tetrachloroethane	ND	1.8	0.30	0.88	
Tetrachloroethene	3.4	0.88	0.18	0.88	
Toluene	ND	0.88	0.45	0.88	
1,2,3-Trichlorobenzene	ND	1.8	0.80	0.88	
1,2,4-Trichlorobenzene	ND	1.8	0.27	0.88	
1,1,1-Trichloroethane	ND	0.88	0.20	0.88	
1,1,2-Trichloroethane	ND	0.88	0.31	0.88	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	0.31	0.88	
Trichloroethene	ND	1.8	0.26	0.88	
Trichlorofluoromethane	ND	8.8	0.33	0.88	
1,2,3-Trichloropropane	ND	1.8	0.73	0.88	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.88	
1,3,5-Trimethylbenzene	ND	1.8	0.48	0.88	
Vinyl Acetate	ND	8.8	4.2	0.88	
Vinyl Chloride	ND	0.88	0.44	0.88	
p/m-Xylene	ND	1.8	0.24	0.88	
o-Xylene	ND	0.88	0.49	0.88	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.88	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	117	71-155	
Toluene-d8	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B94-10	**13-07-1033-12-C**	**07/16/13 14:25**	**Soil**	**GC/MS V V**	**07/16/13**	**07/19/13 15:34**	**130719L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	4.9	0.79	
Benzene	ND	0.79	0.10	0.79	
Bromobenzene	ND	0.79	0.17	0.79	
Bromochloromethane	ND	1.6	0.55	0.79	
Bromodichloromethane	ND	0.79	0.18	0.79	
Bromoform	ND	4.0	0.63	0.79	
Bromomethane	ND	16	7.4	0.79	
2-Butanone	ND	16	3.0	0.79	
n-Butylbenzene	ND	0.79	0.12	0.79	
sec-Butylbenzene	ND	0.79	0.46	0.79	
tert-Butylbenzene	ND	0.79	0.12	0.79	
Carbon Disulfide	0.46	7.9	0.24	0.79	B,J
Carbon Tetrachloride	ND	0.79	0.22	0.79	
Chlorobenzene	ND	0.79	0.18	0.79	
Chloroethane	ND	1.6	1.2	0.79	
Chloroform	ND	0.79	0.19	0.79	
Chloromethane	ND	16	0.24	0.79	
2-Chlorotoluene	ND	0.79	0.18	0.79	
4-Chlorotoluene	ND	0.79	0.17	0.79	
Dibromochloromethane	ND	1.6	0.45	0.79	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.79	
1,2-Dibromoethane	ND	0.79	0.20	0.79	
Dibromomethane	ND	0.79	0.61	0.79	
1,2-Dichlorobenzene	ND	0.79	0.18	0.79	
1,3-Dichlorobenzene	ND	0.79	0.14	0.79	
1,4-Dichlorobenzene	ND	0.79	0.18	0.79	
Dichlorodifluoromethane	ND	1.6	0.35	0.79	
1,1-Dichloroethane	ND	0.79	0.17	0.79	
1,2-Dichloroethane	ND	0.79	0.25	0.79	
1,1-Dichloroethene	ND	0.79	0.27	0.79	
c-1,2-Dichloroethene	ND	0.79	0.22	0.79	
t-1,2-Dichloroethene	ND	0.79	0.40	0.79	
1,2-Dichloropropane	ND	0.79	0.35	0.79	
1,3-Dichloropropane	ND	0.79	0.20	0.79	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	0.79	
1,1-Dichloropropene	ND	1.6	0.26	0.79	
c-1,3-Dichloropropene	ND	0.79	0.20	0.79	
t-1,3-Dichloropropene	ND	1.6	0.48	0.79	
Ethylbenzene	ND	0.79	0.12	0.79	
2-Hexanone	ND	16	1.4	0.79	
Isopropylbenzene	ND	0.79	0.43	0.79	
p-Isopropyltoluene	ND	0.79	0.50	0.79	
Methylene Chloride	ND	7.9	1.1	0.79	
4-Methyl-2-Pentanone	ND	16	3.4	0.79	
Naphthalene	ND	7.9	0.64	0.79	
n-Propylbenzene	ND	1.6	0.40	0.79	
Styrene	ND	0.79	0.48	0.79	
1,1,1,2-Tetrachloroethane	ND	0.79	0.19	0.79	
1,1,2,2-Tetrachloroethane	ND	1.6	0.27	0.79	
Tetrachloroethene	2.9	0.79	0.17	0.79	
Toluene	ND	0.79	0.41	0.79	
1,2,3-Trichlorobenzene	ND	1.6	0.72	0.79	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.79	
1,1,1-Trichloroethane	ND	0.79	0.18	0.79	
1,1,2-Trichloroethane	ND	0.79	0.28	0.79	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.9	0.28	0.79	
Trichloroethene	ND	1.6	0.24	0.79	
Trichlorofluoromethane	ND	7.9	0.30	0.79	
1,2,3-Trichloropropane	ND	1.6	0.66	0.79	
1,2,4-Trimethylbenzene	ND	1.6	0.46	0.79	
1,3,5-Trimethylbenzene	ND	1.6	0.43	0.79	
Vinyl Acetate	ND	7.9	3.7	0.79	
Vinyl Chloride	ND	0.79	0.40	0.79	
p/m-Xylene	ND	1.6	0.21	0.79	
o-Xylene	ND	0.79	0.44	0.79	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.23	0.79	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	115	71-155	
Toluene-d8	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-2.5	**13-07-1033-13-C**	**07/16/13 00:00**	**Soil**	**GC/MS V V**	**07/16/13**	**07/19/13 16:04**	**130719L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	7.4	46	5.8	0.923	J
Benzene	ND	0.92	0.12	0.923	
Bromobenzene	ND	0.92	0.19	0.923	
Bromochloromethane	ND	1.8	0.64	0.923	
Bromodichloromethane	ND	0.92	0.21	0.923	
Bromoform	ND	4.6	0.73	0.923	
Bromomethane	ND	18	8.7	0.923	
2-Butanone	ND	18	3.5	0.923	
n-Butylbenzene	ND	0.92	0.14	0.923	
sec-Butylbenzene	ND	0.92	0.53	0.923	
tert-Butylbenzene	ND	0.92	0.14	0.923	
Carbon Disulfide	0.52	9.2	0.28	0.923	B,J
Carbon Tetrachloride	ND	0.92	0.26	0.923	
Chlorobenzene	ND	0.92	0.21	0.923	
Chloroethane	ND	1.8	1.4	0.923	
Chloroform	ND	0.92	0.22	0.923	
Chloromethane	ND	18	0.28	0.923	
2-Chlorotoluene	ND	0.92	0.21	0.923	
4-Chlorotoluene	ND	0.92	0.20	0.923	
Dibromochloromethane	ND	1.8	0.53	0.923	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	0.923	
1,2-Dibromoethane	ND	0.92	0.24	0.923	
Dibromomethane	ND	0.92	0.72	0.923	
1,2-Dichlorobenzene	ND	0.92	0.21	0.923	
1,3-Dichlorobenzene	ND	0.92	0.16	0.923	
1,4-Dichlorobenzene	ND	0.92	0.20	0.923	
Dichlorodifluoromethane	ND	1.8	0.41	0.923	
1,1-Dichloroethane	ND	0.92	0.20	0.923	
1,2-Dichloroethane	ND	0.92	0.29	0.923	
1,1-Dichloroethene	ND	0.92	0.32	0.923	
c-1,2-Dichloroethene	ND	0.92	0.26	0.923	
t-1,2-Dichloroethene	ND	0.92	0.47	0.923	
1,2-Dichloropropane	ND	0.92	0.40	0.923	
1,3-Dichloropropane	ND	0.92	0.23	0.923	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.6	0.31	0.923	
1,1-Dichloropropene	ND	1.8	0.30	0.923	
c-1,3-Dichloropropene	ND	0.92	0.23	0.923	
t-1,3-Dichloropropene	ND	1.8	0.56	0.923	
Ethylbenzene	ND	0.92	0.14	0.923	
2-Hexanone	ND	18	1.6	0.923	
Isopropylbenzene	ND	0.92	0.50	0.923	
p-Isopropyltoluene	ND	0.92	0.58	0.923	
Methylene Chloride	ND	9.2	1.2	0.923	
4-Methyl-2-Pentanone	ND	18	4.0	0.923	
Naphthalene	ND	9.2	0.75	0.923	
n-Propylbenzene	ND	1.8	0.46	0.923	
Styrene	ND	0.92	0.56	0.923	
1,1,1,2-Tetrachloroethane	ND	0.92	0.22	0.923	
1,1,2,2-Tetrachloroethane	ND	1.8	0.32	0.923	
Tetrachloroethene	2.7	0.92	0.19	0.923	
Toluene	ND	0.92	0.48	0.923	
1,2,3-Trichlorobenzene	ND	1.8	0.84	0.923	
1,2,4-Trichlorobenzene	ND	1.8	0.29	0.923	
1,1,1-Trichloroethane	ND	0.92	0.21	0.923	
1,1,2-Trichloroethane	ND	0.92	0.33	0.923	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.2	0.32	0.923	
Trichloroethene	0.32	1.8	0.28	0.923	J
Trichlorofluoromethane	ND	9.2	0.35	0.923	
1,2,3-Trichloropropane	ND	1.8	0.77	0.923	
1,2,4-Trimethylbenzene	ND	1.8	0.54	0.923	
1,3,5-Trimethylbenzene	ND	1.8	0.51	0.923	
Vinyl Acetate	ND	9.2	4.4	0.923	
Vinyl Chloride	ND	0.92	0.46	0.923	
p/m-Xylene	ND	1.8	0.25	0.923	
o-Xylene	ND	0.92	0.51	0.923	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.923	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	121	71-155	
Toluene-d8	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-5	**13-07-1033-14-C**	**07/16/13 00:00**	**Soil**	**GC/MS V V**	**07/16/13**	**07/19/13 16:34**	**130719L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	42	5.3	0.842	
Benzene	ND	0.84	0.11	0.842	
Bromobenzene	ND	0.84	0.18	0.842	
Bromochloromethane	ND	1.7	0.58	0.842	
Bromodichloromethane	ND	0.84	0.20	0.842	
Bromoform	ND	4.2	0.67	0.842	
Bromomethane	ND	17	7.9	0.842	
2-Butanone	ND	17	3.2	0.842	
n-Butylbenzene	ND	0.84	0.13	0.842	
sec-Butylbenzene	ND	0.84	0.49	0.842	
tert-Butylbenzene	ND	0.84	0.13	0.842	
Carbon Disulfide	0.49	8.4	0.26	0.842	B,J
Carbon Tetrachloride	ND	0.84	0.24	0.842	
Chlorobenzene	ND	0.84	0.19	0.842	
Chloroethane	ND	1.7	1.3	0.842	
Chloroform	ND	0.84	0.20	0.842	
Chloromethane	ND	17	0.26	0.842	
2-Chlorotoluene	ND	0.84	0.19	0.842	
4-Chlorotoluene	ND	0.84	0.18	0.842	
Dibromochloromethane	ND	1.7	0.48	0.842	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.842	
1,2-Dibromoethane	ND	0.84	0.22	0.842	
Dibromomethane	ND	0.84	0.65	0.842	
1,2-Dichlorobenzene	ND	0.84	0.19	0.842	
1,3-Dichlorobenzene	ND	0.84	0.15	0.842	
1,4-Dichlorobenzene	ND	0.84	0.19	0.842	
Dichlorodifluoromethane	ND	1.7	0.37	0.842	
1,1-Dichloroethane	ND	0.84	0.18	0.842	
1,2-Dichloroethane	ND	0.84	0.26	0.842	
1,1-Dichloroethene	ND	0.84	0.29	0.842	
c-1,2-Dichloroethene	ND	0.84	0.24	0.842	
t-1,2-Dichloroethene	ND	0.84	0.43	0.842	
1,2-Dichloropropane	ND	0.84	0.37	0.842	
1,3-Dichloropropane	ND	0.84	0.21	0.842	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.842	
1,1-Dichloropropene	ND	1.7	0.28	0.842	
c-1,3-Dichloropropene	ND	0.84	0.21	0.842	
t-1,3-Dichloropropene	ND	1.7	0.51	0.842	
Ethylbenzene	ND	0.84	0.13	0.842	
2-Hexanone	ND	17	1.5	0.842	
Isopropylbenzene	ND	0.84	0.46	0.842	
p-Isopropyltoluene	ND	0.84	0.53	0.842	
Methylene Chloride	ND	8.4	1.1	0.842	
4-Methyl-2-Pentanone	ND	17	3.6	0.842	
Naphthalene	ND	8.4	0.69	0.842	
n-Propylbenzene	ND	1.7	0.42	0.842	
Styrene	ND	0.84	0.51	0.842	
1,1,1,2-Tetrachloroethane	ND	0.84	0.20	0.842	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.842	
Tetrachloroethene	1.9	0.84	0.18	0.842	
Toluene	ND	0.84	0.43	0.842	
1,2,3-Trichlorobenzene	ND	1.7	0.77	0.842	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.842	
1,1,1-Trichloroethane	ND	0.84	0.19	0.842	
1,1,2-Trichloroethane	ND	0.84	0.30	0.842	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.30	0.842	
Trichloroethene	0.77	1.7	0.25	0.842	J
Trichlorofluoromethane	ND	8.4	0.32	0.842	
1,2,3-Trichloropropane	ND	1.7	0.70	0.842	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.842	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.842	
Vinyl Acetate	ND	8.4	4.0	0.842	
Vinyl Chloride	ND	0.84	0.42	0.842	
p/m-Xylene	ND	1.7	0.23	0.842	
o-Xylene	ND	0.84	0.47	0.842	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.842	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	116	71-155	
Toluene-d8	93	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B95-10	**13-07-1033-15-C**	**07/16/13 00:00**	**Soil**	**GC/MS V V**	**07/16/13**	**07/19/13 17:04**	**130719L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	5.0	0.795	
Benzene	ND	0.80	0.10	0.795	
Bromobenzene	ND	0.80	0.17	0.795	
Bromochloromethane	ND	1.6	0.55	0.795	
Bromodichloromethane	ND	0.80	0.19	0.795	
Bromoform	ND	4.0	0.63	0.795	
Bromomethane	ND	16	7.5	0.795	
2-Butanone	ND	16	3.0	0.795	
n-Butylbenzene	ND	0.80	0.12	0.795	
sec-Butylbenzene	ND	0.80	0.46	0.795	
tert-Butylbenzene	ND	0.80	0.12	0.795	
Carbon Disulfide	0.41	8.0	0.24	0.795	B,J
Carbon Tetrachloride	ND	0.80	0.22	0.795	
Chlorobenzene	ND	0.80	0.18	0.795	
Chloroethane	ND	1.6	1.2	0.795	
Chloroform	ND	0.80	0.19	0.795	
Chloromethane	ND	16	0.24	0.795	
2-Chlorotoluene	ND	0.80	0.18	0.795	
4-Chlorotoluene	ND	0.80	0.17	0.795	
Dibromochloromethane	ND	1.6	0.45	0.795	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.795	
1,2-Dibromoethane	ND	0.80	0.20	0.795	
Dibromomethane	ND	0.80	0.62	0.795	
1,2-Dichlorobenzene	ND	0.80	0.18	0.795	
1,3-Dichlorobenzene	ND	0.80	0.14	0.795	
1,4-Dichlorobenzene	ND	0.80	0.18	0.795	
Dichlorodifluoromethane	ND	1.6	0.35	0.795	
1,1-Dichloroethane	ND	0.80	0.17	0.795	
1,2-Dichloroethane	ND	0.80	0.25	0.795	
1,1-Dichloroethene	ND	0.80	0.28	0.795	
c-1,2-Dichloroethene	ND	0.80	0.22	0.795	
t-1,2-Dichloroethene	ND	0.80	0.40	0.795	
1,2-Dichloropropane	ND	0.80	0.35	0.795	
1,3-Dichloropropane	ND	0.80	0.20	0.795	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	0.795	
1,1-Dichloropropene	ND	1.6	0.26	0.795	
c-1,3-Dichloropropene	ND	0.80	0.20	0.795	
t-1,3-Dichloropropene	ND	1.6	0.48	0.795	
Ethylbenzene	ND	0.80	0.12	0.795	
2-Hexanone	ND	16	1.4	0.795	
Isopropylbenzene	ND	0.80	0.43	0.795	
p-Isopropyltoluene	ND	0.80	0.50	0.795	
Methylene Chloride	ND	8.0	1.1	0.795	
4-Methyl-2-Pentanone	ND	16	3.4	0.795	
Naphthalene	ND	8.0	0.65	0.795	
n-Propylbenzene	ND	1.6	0.40	0.795	
Styrene	ND	0.80	0.48	0.795	
1,1,1,2-Tetrachloroethane	ND	0.80	0.19	0.795	
1,1,2,2-Tetrachloroethane	ND	1.6	0.27	0.795	
Tetrachloroethene	1.2	0.80	0.17	0.795	
Toluene	ND	0.80	0.41	0.795	
1,2,3-Trichlorobenzene	ND	1.6	0.73	0.795	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.795	
1,1,1-Trichloroethane	ND	0.80	0.18	0.795	
1,1,2-Trichloroethane	ND	0.80	0.28	0.795	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.0	0.28	0.795	
Trichloroethene	0.59	1.6	0.24	0.795	J
Trichlorofluoromethane	ND	8.0	0.30	0.795	
1,2,3-Trichloropropane	ND	1.6	0.66	0.795	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.795	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.795	
Vinyl Acetate	ND	8.0	3.8	0.795	
Vinyl Chloride	ND	0.80	0.40	0.795	
p/m-Xylene	ND	1.6	0.21	0.795	
o-Xylene	ND	0.80	0.44	0.795	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.23	0.795	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	80-120	
Dibromofluoromethane	112	79-133	
1,2-Dichloroethane-d4	114	71-155	
Toluene-d8	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24070**	**N/A**	**Soil**	**GC/MS V V**	**07/17/13**	**07/17/13 12:37**	**130717L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	0.65	10	0.31	1	J
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24076**	**N/A**	**Soil**	**GC/MS V V**	**07/19/13**	**07/19/13 12:34**	**130719L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	0.38	10	0.31	1	J
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	92	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B

Project: Panama Site

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1063-1	**Soil**	**ICP 7300**	**07/17/13**	**07/18/13 18:42**	**130717S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.406	22	4.522	18	50-115	18	0-20	3
Arsenic	4.249	25.00	26.58	89	27.25	92	75-125	2	0-20	
Barium	54.60	25.00	72.04	70	80.27	103	75-125	11	0-20	3
Beryllium	ND	25.00	22.35	89	23.53	94	75-125	5	0-20	
Cadmium	1.902	25.00	22.51	82	23.69	87	75-125	5	0-20	
Chromium	22.84	25.00	39.95	68	44.81	88	75-125	11	0-20	3
Cobalt	19.43	25.00	41.46	88	42.66	93	75-125	3	0-20	
Copper	34.25	25.00	60.37	104	65.59	125	75-125	8	0-20	
Lead	17.01	25.00	38.55	86	46.57	118	75-125	19	0-20	
Molybdenum	ND	25.00	18.72	75	19.54	78	75-125	4	0-20	
Nickel	27.97	25.00	47.50	78	48.85	84	75-125	3	0-20	
Selenium	ND	25.00	16.81	67	17.37	69	75-125	3	0-20	3
Silver	ND	12.50	12.07	97	12.68	101	75-125	5	0-20	
Thallium	ND	25.00	19.50	78	19.39	78	75-125	1	0-20	
Vanadium	96.28	25.00	120.1	95	125.1	115	75-125	4	0-20	
Zinc	52.47	25.00	71.36	76	90.79	153	75-125	24	0-20	3,4

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental	Date Received: 07/16/13
3777 Long Beach Blvd., Annex Building	Work Order: 13-07-1033
Long Beach, CA 90802-3335	Preparation: EPA 7471A Total
	Method: EPA 7471A
Project: Panama Site	Page 2 of 3

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1096-41	**Soil**	**Mercury**	**07/18/13**	**07/18/13 12:41**	**130718S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.2831	0.8350	0.8597	69	1.008	87	71-137	16	0-14	3,4

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B92-5	**Soil**	**GC/MS DDD**	**07/22/13**	**07/23/13 12:51**	**130722S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	2.000	2.054	103	1.976	99	50-130	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - PDS/PDSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 7471A Total
Method: EPA 7471A
Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
13-07-1096-41	**Soil**	**Mercury**	**07/18/13 00:00**	**07/18/13 12:46**	**130718S03**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	PDSD Conc.	PDSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.2831	0.8350	1.129	101	1.144	103	75-125	1	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-002-17059	**Soil**	**ICP 7300**	**07/18/13 18:40**	**130717L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	23.48	94	80-120	73-127	
Arsenic	25.00	23.01	92	80-120	73-127	
Barium	25.00	25.84	103	80-120	73-127	
Beryllium	25.00	24.14	97	80-120	73-127	
Cadmium	25.00	24.24	97	80-120	73-127	
Chromium	25.00	24.28	97	80-120	73-127	
Cobalt	25.00	25.55	102	80-120	73-127	
Copper	25.00	23.28	93	80-120	73-127	
Lead	25.00	23.54	94	80-120	73-127	
Molybdenum	25.00	24.14	97	80-120	73-127	
Nickel	25.00	25.27	101	80-120	73-127	
Selenium	25.00	22.56	90	80-120	73-127	
Silver	12.50	12.00	96	80-120	73-127	
Thallium	25.00	24.37	97	80-120	73-127	
Vanadium	25.00	23.71	95	80-120	73-127	
Zinc	25.00	25.35	101	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 7471A Total
Method: EPA 7471A
Page 2 of 5

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-007-9447	**Soil**	**Mercury**	**07/18/13**	**07/18/13 11:26**	**130718L03**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.8350	0.8012	96	0.8059	97	85-121	1	0-10	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-110	**Soil**	**GC/MS DDD**	**07/23/13 13:29**	**130722L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	2.000	2.136	107	50-130	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24070	**Soil**	**GC/MS V V**	**07/17/13**	**07/17/13 10:36**	**130717L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	46.18	92	47.38	95	80-120	73-127	3	0-20	
Carbon Tetrachloride	50.00	44.82	90	45.12	90	65-137	53-149	1	0-20	
Chlorobenzene	50.00	47.26	95	48.27	97	80-120	73-127	2	0-20	
1,2-Dibromoethane	50.00	48.43	97	50.95	102	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	50.00	44.83	90	45.42	91	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	45.85	92	47.78	96	80-120	73-127	4	0-20	
1,1-Dichloroethene	50.00	40.69	81	40.07	80	68-128	58-138	2	0-20	
Ethylbenzene	50.00	51.79	104	52.29	105	80-120	73-127	1	0-20	
Toluene	50.00	48.71	97	49.48	99	80-120	73-127	2	0-20	
Trichloroethene	50.00	46.49	93	47.01	94	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	40.66	81	41.48	83	67-127	57-137	2	0-20	
p/m-Xylene	100.0	98.84	99	99.36	99	75-125	67-133	1	0-25	
o-Xylene	50.00	48.18	96	48.76	98	75-125	67-133	1	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	40.93	82	41.18	82	70-124	61-133	1	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site

Date Received: 07/16/13
Work Order: 13-07-1033
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24076	**Soil**	**GC/MS V V**	**07/19/13**	**07/19/13 10:33**	**130719L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	50.61	101	51.48	103	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	49.69	99	48.69	97	65-137	53-149	2	0-20	
Chlorobenzene	50.00	51.10	102	50.38	101	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	54.84	110	56.50	113	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	50.00	49.42	99	48.37	97	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	52.05	104	52.48	105	80-120	73-127	1	0-20	
1,1-Dichloroethene	50.00	46.96	94	46.24	92	68-128	58-138	2	0-20	
Ethylbenzene	50.00	54.71	109	54.52	109	80-120	73-127	0	0-20	
Toluene	50.00	53.58	107	53.83	108	80-120	73-127	0	0-20	
Trichloroethene	50.00	51.07	102	52.27	105	80-120	73-127	2	0-20	
Vinyl Chloride	50.00	41.27	83	40.91	82	67-127	57-137	1	0-20	
p/m-Xylene	100.0	103.8	104	102.5	103	75-125	67-133	1	0-25	
o-Xylene	50.00	51.41	103	51.26	103	75-125	67-133	0	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	42.88	86	42.73	85	70-124	61-133	0	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1033 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 7471A	EPA 7471A Total	769	Mercury	1
EPA 8260B	EPA 5035	796	GC/MS V V	2
EPA 8270C(M) Isotope Dilution	EPA 3545	859	GC/MS DDD	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1033 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 13-07-1033

DATE: 7/16/13
PAGE: 1 OF 2

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site
P.O. NO.: mcgn-12-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake / S. Richman

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~sVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE 6B
1	B93-2.5	7/16/13	1300	Soil	4								X			X				X		
2	B93-5		1305										X							X		
3	B93-10		1310										X									
4	B92-2.5		1330										X							X		
5	B92-5		1335										X			X				X		
6	B92-10		1340										X									
7	B91-2.5		1400										X			X				X		
8	B91-5		1405										X							X		
9	B91-10		1410										X									
10	B94-2.5	↓	1415	↓	↓								X							X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] CEL	7/16/13	1541
[signature]	[signature] CEL	7/16/13	1835

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1033

DATE: 7/16/13
PAGE: 2 OF 2

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site
P.O. NO.: MCGV-12-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K Drake, S. Pidemour

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~8260~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]						
11	B94-5	7/16/13	1420	Soil	4								X			X				X							
12	B94-10		1425										X														
13	B95-2.5												X			X				X							
14	B95-5												X							X							
15	B95-10	↓		↓	↓								X														

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/16/13	Time: 1641
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/16/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1033

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ALTA ENV.

DATE: 07/16/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.8 °C - 0.2 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: D.L

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☑ Collection date/time (-13) to (-15), matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☑3 TerraCores® ☐_____

Water: ☐VOA ☑2 VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 130708B **Labeled/Checked by:** D.L

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** DL

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** _____

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1033

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☑ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☐ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

(-16) Received 2 vials w/HCl labeled as Trip-Blank not on COC.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: D.L 07/16/13

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-07-0094

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: American Scientific Laboratories, LLC

Client Project Name: 57489

Attention: Alen Hosepians
2520 North San Fernando Road
Los Angeles, CA 90065-1324

Approved for release on 07/12/2013 by:
Kristin Beckley
Project Manager

ResultLink

Email your PM

ACCREDITED IN ACCORDANCE WITH nelac

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: 57489
Work Order Number: 13-07-0094

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4 Quality Control Sample Data. 6
4.1 LCS/LCSD. 6

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-0094 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/02/13. They were assigned to Work Order 13-07-0094.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with an immediate holding time (HT </= 15 minutes --40CFR-136.3 Table II footnote 4), is considered a "field" test and reported samples results are not flagged unless the analysis is performed beyond 24 hours of the time of collection.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	American Scientific Laboratories, LLC	Work Order:	13-07-0094
	2520 North San Fernando Road	Project Name:	57489
	Los Angeles, CA 90065-1324	PO Number:	
		Date Received:	07/02/13
Attn:	Alen Hosepians		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
300209	13-07-0094-1	06/28/13 08:00	1	Aqueous
300210	13-07-0094-2	06/28/13 11:00	1	Aqueous
300211	13-07-0094-3	06/28/13 14:30	1	Aqueous

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Calscience Environmental Laboratories, Inc.

Analytical Report

American Scientific Laboratories, LLC
2520 North San Fernando Road
Los Angeles, CA 90065-1324

Project: 57489

Date Received: 07/02/13
Work Order: 13-07-0094
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
300209	**13-07-0094-1-A**	**06/28/13 08:00**	**Aqueous**	**GC/MS DDD**	**07/02/13**	**07/10/13 12:45**	**130702L12**

Parameter	Result	RL	DF	Qualifiers
1,4-Dioxane	54	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	61	56-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
300210	**13-07-0094-2-A**	**06/28/13 11:00**	**Aqueous**	**GC/MS DDD**	**07/02/13**	**07/09/13 20:34**	**130702L12**

Parameter	Result	RL	DF	Qualifiers
1,4-Dioxane	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	56-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
300211	**13-07-0094-3-D**	**06/28/13 14:30**	**Aqueous**	**GC/MS DDD**	**07/02/13**	**07/09/13 20:54**	**130702L12**

Parameter	Result	RL	DF	Qualifiers
1,4-Dioxane	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	62	56-123	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-004-2341**	**N/A**	**Aqueous**	**GC/MS DDD**	**07/02/13**	**07/05/13 18:05**	**130702L12**

Parameter	Result	RL	DF	Qualifiers
1,4-Dioxane	ND	1.0	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	90	56-123	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

American Scientific Laboratories, LLC
2520 North San Fernando Road
Los Angeles, CA 90065-1324

Project: 57489

Date Received: 07/02/13
Work Order: 13-07-0094
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-2341	**Aqueous**	**GC/MS DDD**	**07/02/13**	**07/05/13 21:15**	**130702L12**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	200.0	234.7	117	210.0	105	50-130	11	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-0094 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS/LCSD Recovery Percentage is within Marginal Exceedance (ME) Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

For any analysis identified as a "field" test with a holding time (HT) </= 15 minutes where the sample is received outside of HT, Calscience will adhere to its internal HT of 24 hours. In cases where sample analysis does not meet Calscience's internal HT, results will be appropriately qualified.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
Other CA office locations: Concord and San Luis Obispo
For courier service / sample drop off information,
contact sales@calscience.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY
13-07-0094

Date 7/2/13
Page 1 of 1

LABORATORY CLIENT: American Scientific Labs
ADDRESS: 2520 N. San Fernando Road
CITY: L.A. STATE: CA ZIP: 90065
TEL: 323 223 9700 E-MAIL: alan@asllab.com

CLIENT PROJECT NAME / NUMBER: 57489
P.O. NO.:
PROJECT CONTACT: Alan Hosepians
SAMPLER(S): (PRINT) N/A

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ STANDARD 5 Days

☐ COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	8270C (1,4 Dioxane)	low DL (1 ug/L)		
1	390209	6-28-13	08:00	W	1																		X			
2	390210	"	11:00	"	1																		X			
3	390211	"	14:30	"	1																		X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7.2.13	Time: 11:13
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

11/01/12 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-0094

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ASL

DATE: 07/02/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 4.2 °C - 0.2 °C (CF) = 4.0 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: JRS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: JRS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JRS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☐	☑	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JRS

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** TVC

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** JRS

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-07-1840

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site / MCGU-13-2252

Attention: Mike Cassidy
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 08/05/2013 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 13-07-1840

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-1840 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/26/13. They were assigned to Work Order 13-07-1840.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1840
Project Name: Panama Site / MCGU-13-2252
Received: 07/26/13

Attn: Mike Cassidy

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
GW1 (13-07-1840-1)						
Barium	0.0866		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Chromium	0.00997	J	0.00271*	mg/L	EPA 6010B	EPA 3010A Total
Cobalt	0.00353	J	0.00295*	mg/L	EPA 6010B	EPA 3010A Total
Copper	0.00798	J	0.00267*	mg/L	EPA 6010B	EPA 3010A Total
Molybdenum	0.0430		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Nickel	0.00930	J	0.00298*	mg/L	EPA 6010B	EPA 3010A Total
Vanadium	0.0188		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Zinc	0.0481		0.0100	mg/L	EPA 6010B	EPA 3010A Total
1,2-Dichlorobenzene	2.1		1.0	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethane	0.56	J	0.28*	ug/L	EPA 8260B	EPA 5030C
1,1-Dichloroethene	0.72	J	0.43*	ug/L	EPA 8260B	EPA 5030C
c-1,2-Dichloroethene	44		1.0	ug/L	EPA 8260B	EPA 5030C
t-1,2-Dichloroethene	1.6		1.0	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	20		1.0	ug/L	EPA 8260B	EPA 5030C
1,1,2-Trichloro-1,2,2-Trifluoroethane	160		10	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	20		1.0	ug/L	EPA 8260B	EPA 5030C
1,4-Dioxane	1.9		1.0	ug/L	EPA 8270C(M) Isotope Dilution	EPA 3520C
GW2 (13-07-1840-2)						
Barium	0.0451		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Chromium	0.00545	J	0.00271*	mg/L	EPA 6010B	EPA 3010A Total
Copper	0.00280	J	0.00267*	mg/L	EPA 6010B	EPA 3010A Total
Molybdenum	0.0158		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Vanadium	0.0103		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Zinc	0.0830		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Trichloroethene	0.79	J	0.37*	ug/L	EPA 8260B	EPA 5030C
GW3 (13-07-1840-3)						
Barium	0.0633		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Chromium	0.00293	J	0.00271*	mg/L	EPA 6010B	EPA 3010A Total
Copper	0.00636	J	0.00267*	mg/L	EPA 6010B	EPA 3010A Total
Molybdenum	0.0202		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Selenium	0.00816	J	0.00699*	mg/L	EPA 6010B	EPA 3010A Total
Vanadium	0.00684	J	0.00244*	mg/L	EPA 6010B	EPA 3010A Total
Zinc	0.0146		0.0100	mg/L	EPA 6010B	EPA 3010A Total
Bromodichloromethane	0.26	J	0.21*	ug/L	EPA 8260B	EPA 5030C
Chloroform	0.66	J	0.46*	ug/L	EPA 8260B	EPA 5030C
Tetrachloroethene	40		1.0	ug/L	EPA 8260B	EPA 5030C
Trichloroethene	1.1		1.0	ug/L	EPA 8260B	EPA 5030C

* MDL is shown

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Alta Environmental	Work Order:	13-07-1840
	3777 Long Beach Blvd., Annex Building	Project Name:	Panama Site / MCGU-13-2252
	Long Beach, CA 90802-3335	Received:	07/26/13
Attn:	Mike Cassidy		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW1	**13-07-1840-1-D**	**07/26/13 12:45**	**Aqueous**	**ICP 7300**	**07/29/13**	**07/30/13 15:00**	**130729LA2A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.0150	0.00787	1	
Arsenic	ND	0.0100	0.00438	1	
Barium	0.0866	0.0100	0.00296	1	
Beryllium	ND	0.0100	0.000561	1	
Cadmium	ND	0.0100	0.00269	1	
Chromium	0.00997	0.0100	0.00271	1	J
Cobalt	0.00353	0.0100	0.00295	1	J
Copper	0.00798	0.0100	0.00267	1	J
Lead	ND	0.0100	0.00406	1	
Molybdenum	0.0430	0.0100	0.00278	1	
Nickel	0.00930	0.0100	0.00298	1	J
Selenium	ND	0.0150	0.00699	1	
Silver	ND	0.00500	0.00139	1	
Thallium	ND	0.0150	0.00291	1	
Vanadium	0.0188	0.0100	0.00244	1	
Zinc	0.0481	0.0100	0.00352	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW2	**13-07-1840-2-D**	**07/26/13 09:05**	**Aqueous**	**ICP 7300**	**07/29/13**	**07/30/13 15:02**	**130729LA2A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.0150	0.00787	1	
Arsenic	ND	0.0100	0.00438	1	
Barium	0.0451	0.0100	0.00296	1	
Beryllium	ND	0.0100	0.000561	1	
Cadmium	ND	0.0100	0.00269	1	
Chromium	0.00545	0.0100	0.00271	1	J
Cobalt	ND	0.0100	0.00295	1	
Copper	0.00280	0.0100	0.00267	1	J
Lead	ND	0.0100	0.00406	1	
Molybdenum	0.0158	0.0100	0.00278	1	
Nickel	ND	0.0100	0.00298	1	
Selenium	ND	0.0150	0.00699	1	
Silver	ND	0.00500	0.00139	1	
Thallium	ND	0.0150	0.00291	1	
Vanadium	0.0103	0.0100	0.00244	1	
Zinc	0.0830	0.0100	0.00352	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW3	**13-07-1840-3-D**	**07/26/13 11:00**	**Aqueous**	**ICP 7300**	**07/29/13**	**07/30/13 15:03**	**130729LA2A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.0150	0.00787	1	
Arsenic	ND	0.0100	0.00438	1	
Barium	0.0633	0.0100	0.00296	1	
Beryllium	ND	0.0100	0.000561	1	
Cadmium	ND	0.0100	0.00269	1	
Chromium	0.00293	0.0100	0.00271	1	J
Cobalt	ND	0.0100	0.00295	1	
Copper	0.00636	0.0100	0.00267	1	J
Lead	ND	0.0100	0.00406	1	
Molybdenum	0.0202	0.0100	0.00278	1	
Nickel	ND	0.0100	0.00298	1	
Selenium	0.00816	0.0150	0.00699	1	J
Silver	ND	0.00500	0.00139	1	
Thallium	ND	0.0150	0.00291	1	
Vanadium	0.00684	0.0100	0.00244	1	J
Zinc	0.0146	0.0100	0.00352	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-003-13598**	**N/A**	**Aqueous**	**ICP 7300**	**07/29/13**	**07/30/13 13:12**	**130729LA2A**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.0150	0.00787	1	
Arsenic	ND	0.0100	0.00438	1	
Barium	ND	0.0100	0.00296	1	
Beryllium	ND	0.0100	0.000561	1	
Cadmium	ND	0.0100	0.00269	1	
Chromium	ND	0.0100	0.00271	1	
Cobalt	ND	0.0100	0.00295	1	
Copper	ND	0.0100	0.00267	1	
Lead	ND	0.0100	0.00406	1	
Molybdenum	ND	0.0100	0.00278	1	
Nickel	ND	0.0100	0.00298	1	
Selenium	ND	0.0150	0.00699	1	
Silver	ND	0.00500	0.00139	1	
Thallium	ND	0.0150	0.00291	1	
Vanadium	ND	0.0100	0.00244	1	
Zinc	ND	0.0100	0.00352	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 7470A Total
Method: EPA 7470A
Units: mg/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW1	**13-07-1840-1-D**	**07/26/13 12:45**	**Aqueous**	**Mercury**	**07/29/13**	**07/30/13 14:08**	**130729L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000500	0.0000453	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW2	**13-07-1840-2-D**	**07/26/13 09:05**	**Aqueous**	**Mercury**	**07/29/13**	**07/30/13 14:11**	**130729L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000500	0.0000453	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW3	**13-07-1840-3-D**	**07/26/13 11:00**	**Aqueous**	**Mercury**	**07/29/13**	**07/30/13 14:13**	**130729L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000500	0.0000453	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-008-6585**	**N/A**	**Aqueous**	**Mercury**	**07/29/13**	**07/30/13 13:42**	**130729L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.000500	0.0000453	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution
Units: ug/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW1	**13-07-1840-1-E**	**07/26/13 12:45**	**Aqueous**	**GC/MS DDD**	**07/29/13**	**08/03/13 14:12**	**130729L25**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	1.9	1.0	0.28	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	90	56-123	

GW2	**13-07-1840-2-E**	**07/26/13 09:05**	**Aqueous**	**GC/MS DDD**	**07/29/13**	**08/04/13 12:05**	**130729L25**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	1.0	0.28	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	61	56-123	

GW3	**13-07-1840-3-E**	**07/26/13 11:00**	**Aqueous**	**GC/MS DDD**	**07/29/13**	**08/04/13 13:18**	**130729L25**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	1.0	0.28	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	56-123	

Method Blank	**099-09-004-2364**	**N/A**	**Aqueous**	**GC/MS DDD**	**07/29/13**	**08/03/13 13:52**	**130729L25**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	1.0	0.28	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	76	56-123	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW1	**13-07-1840-1-B**	**07/26/13 12:45**	**Aqueous**	**GC/MS O**	**07/30/13**	**07/30/13 18:39**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	10	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	10	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	2.1	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	0.56	1.0	0.28	1	J
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	0.72	1.0	0.43	1	J
c-1,2-Dichloroethene	44	1.0	0.48	1	
t-1,2-Dichloroethene	1.6	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	1.0	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	10	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	20	1.0	0.39	1	
Toluene	ND	1.0	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	160	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	20	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	1.0	0.24	1	
o-Xylene	ND	1.0	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	106	80-126	
1,2-Dichloroethane-d4	124	80-134	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW2	**13-07-1840-2-B**	**07/26/13 09:05**	**Aqueous**	**GC/MS O**	**07/30/13**	**07/30/13 17:39**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	10	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	10	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	1.0	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	10	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	1.0	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	0.79	1.0	0.37	1	J
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	1.0	0.24	1	
o-Xylene	ND	1.0	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	107	80-126	
1,2-Dichloroethane-d4	123	80-134	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW3	**13-07-1840-3-B**	**07/26/13 11:00**	**Aqueous**	**GC/MS O**	**07/30/13**	**07/30/13 18:09**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	0.26	1.0	0.21	1	J
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	10	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	0.66	1.0	0.46	1	J
Chloromethane	ND	10	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	1.0	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	10	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	40	1.0	0.39	1	
Toluene	ND	1.0	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	1.1	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	1.0	0.24	1	
o-Xylene	ND	1.0	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	102	80-126	
1,2-Dichloroethane-d4	117	80-134	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-001-11545**	**N/A**	**Aqueous**	**GC/MS O**	**07/30/13**	**07/30/13 12:08**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	20	10	1	
Benzene	ND	0.50	0.14	1	
Bromobenzene	ND	1.0	0.30	1	
Bromochloromethane	ND	1.0	0.48	1	
Bromodichloromethane	ND	1.0	0.21	1	
Bromoform	ND	1.0	0.50	1	
Bromomethane	ND	10	3.9	1	
2-Butanone	ND	10	2.2	1	
n-Butylbenzene	ND	1.0	0.23	1	
sec-Butylbenzene	ND	1.0	0.25	1	
tert-Butylbenzene	ND	1.0	0.28	1	
Carbon Disulfide	ND	10	0.41	1	
Carbon Tetrachloride	ND	0.50	0.23	1	
Chlorobenzene	ND	1.0	0.17	1	
Chloroethane	ND	5.0	2.3	1	
Chloroform	ND	1.0	0.46	1	
Chloromethane	ND	10	1.8	1	
2-Chlorotoluene	ND	1.0	0.24	1	
4-Chlorotoluene	ND	1.0	0.13	1	
Dibromochloromethane	ND	1.0	0.25	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.2	1	
1,2-Dibromoethane	ND	1.0	0.36	1	
Dibromomethane	ND	1.0	0.46	1	
1,2-Dichlorobenzene	ND	1.0	0.46	1	
1,3-Dichlorobenzene	ND	1.0	0.40	1	
1,4-Dichlorobenzene	ND	1.0	0.43	1	
Dichlorodifluoromethane	ND	1.0	0.46	1	
1,1-Dichloroethane	ND	1.0	0.28	1	
1,2-Dichloroethane	ND	0.50	0.24	1	
1,1-Dichloroethene	ND	1.0	0.43	1	
c-1,2-Dichloroethene	ND	1.0	0.48	1	
t-1,2-Dichloroethene	ND	1.0	0.37	1	
1,2-Dichloropropane	ND	1.0	0.42	1	
1,3-Dichloropropane	ND	1.0	0.30	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	1.0	0.36	1	
1,1-Dichloropropene	ND	1.0	0.46	1	
c-1,3-Dichloropropene	ND	0.50	0.25	1	
t-1,3-Dichloropropene	ND	0.50	0.25	1	
Ethylbenzene	ND	1.0	0.14	1	
2-Hexanone	ND	10	2.1	1	
Isopropylbenzene	ND	1.0	0.58	1	
p-Isopropyltoluene	ND	1.0	0.16	1	
Methylene Chloride	ND	10	0.64	1	
4-Methyl-2-Pentanone	ND	10	4.4	1	
Naphthalene	ND	10	2.5	1	
n-Propylbenzene	ND	1.0	0.17	1	
Styrene	ND	1.0	0.17	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.40	1	
1,1,2,2-Tetrachloroethane	ND	1.0	0.41	1	
Tetrachloroethene	ND	1.0	0.39	1	
Toluene	ND	1.0	0.24	1	
1,2,3-Trichlorobenzene	ND	1.0	0.51	1	
1,2,4-Trichlorobenzene	ND	1.0	0.50	1	
1,1,1-Trichloroethane	ND	1.0	0.30	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.78	1	
1,1,2-Trichloroethane	ND	1.0	0.38	1	
Trichloroethene	ND	1.0	0.37	1	
Trichlorofluoromethane	ND	10	1.7	1	
1,2,3-Trichloropropane	ND	5.0	0.64	1	
1,2,4-Trimethylbenzene	ND	1.0	0.36	1	
1,3,5-Trimethylbenzene	ND	1.0	0.28	1	
Vinyl Acetate	ND	10	2.8	1	
Vinyl Chloride	ND	0.50	0.30	1	
p/m-Xylene	ND	1.0	0.24	1	
o-Xylene	ND	1.0	0.23	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.31	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	80-120	
Dibromofluoromethane	109	80-126	
1,2-Dichloroethane-d4	121	80-134	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 3010A Total
Method: EPA 6010B
Page 1 of 4

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1861-1	**Aqueous**	**ICP 7300**	**07/29/13**	**07/30/13 13:40**	**130729SA2A**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	0.5000	0.5577	112	0.5626	113	72-132	1	0-10	
Arsenic	ND	0.5000	0.5552	111	0.5558	111	80-140	0	0-11	
Barium	0.4776	0.5000	1.054	115	1.033	111	87-123	2	0-6	
Beryllium	ND	0.5000	0.5460	109	0.5458	109	89-119	0	0-8	
Cadmium	ND	0.5000	0.5196	104	0.5163	103	82-124	1	0-7	
Chromium	ND	0.5000	0.5349	107	0.5328	107	86-122	0	0-8	
Cobalt	ND	0.5000	0.5440	109	0.5418	108	83-125	0	0-7	
Copper	ND	0.5000	0.5421	108	0.5440	109	78-126	0	0-7	
Lead	ND	0.5000	0.5240	105	0.5220	104	84-120	0	0-7	
Molybdenum	ND	0.5000	0.5229	105	0.5243	105	78-126	0	0-7	
Nickel	ND	0.5000	0.5530	111	0.5496	110	84-120	1	0-7	
Selenium	ND	0.5000	0.5583	112	0.5570	111	79-127	0	0-9	
Silver	ND	0.2500	0.2687	107	0.2675	107	86-128	0	0-7	
Thallium	ND	0.5000	0.5455	109	0.5428	109	79-121	1	0-8	
Vanadium	ND	0.5000	0.5302	106	0.5271	105	88-118	1	0-7	
Zinc	ND	0.5000	0.5937	119	0.5786	116	89-131	3	0-8	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental	Date Received: 07/26/13
3777 Long Beach Blvd., Annex Building	Work Order: 13-07-1840
Long Beach, CA 90802-3335	Preparation: EPA 7470A Total
	Method: EPA 7470A
Project: Panama Site / MCGU-13-2252	Page 2 of 4

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1861-2	**Aqueous**	**Mercury**	**07/29/13**	**07/30/13 13:50**	**130729S10**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.01000	0.009899	99	0.009756	98	57-141	1	0-10	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 3520C
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1935-2	**Aqueous**	**GC/MS DDD**	**07/29/13**	**08/04/13 12:24**	**130729S25**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	200.0	179.3	90	180.5	90	50-130	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1757-2	**Aqueous**	**GC/MS O**	**07/30/13**	**07/30/13 13:37**	**130730S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	1.211	50.00	47.90	93	45.06	88	78-120	6	0-20	
Carbon Tetrachloride	ND	50.00	50.97	102	48.08	96	67-139	6	0-20	
Chlorobenzene	ND	50.00	43.50	87	39.86	80	80-120	9	0-20	
1,2-Dibromoethane	ND	50.00	45.01	90	42.83	86	80-123	5	0-20	
1,2-Dichlorobenzene	ND	50.00	43.90	88	41.63	83	76-120	5	0-20	
1,2-Dichloroethane	ND	50.00	52.92	106	49.86	100	76-130	6	0-20	
1,1-Dichloroethene	ND	50.00	58.78	118	53.64	107	70-130	9	0-27	
Ethylbenzene	ND	50.00	52.81	106	48.82	98	73-127	8	0-20	
Toluene	8.328	50.00	55.70	95	54.08	92	72-126	3	0-20	
Trichloroethene	ND	50.00	45.00	90	42.68	85	74-122	5	0-20	
Vinyl Chloride	ND	50.00	49.38	99	49.31	99	65-131	0	0-24	
p/m-Xylene	ND	100.0	106.5	106	97.46	97	70-130	9	0-30	
o-Xylene	ND	50.00	52.56	105	48.28	97	70-130	8	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	51.95	104	50.35	101	69-123	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - PDS/PDSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 3010A Total
Method: EPA 6010B
Page 1 of 1

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
13-07-1861-1	**Aqueous**	**ICP 7300**	**07/29/13 00:00**	**07/30/13 13:43**	**130729SA2A**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	PDSD Conc.	PDSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	0.5000	0.4462	89	0.4693	94	75-125	5	0-20	
Arsenic	ND	0.5000	0.4615	92	0.4821	96	75-125	4	0-20	
Barium	0.4776	0.5000	0.9581	96	0.9829	101	75-125	3	0-20	
Beryllium	ND	0.5000	0.5095	102	0.5233	105	75-125	3	0-20	
Cadmium	ND	0.5000	0.4900	98	0.5051	101	75-125	3	0-20	
Chromium	ND	0.5000	0.5011	100	0.5213	104	75-125	4	0-20	
Cobalt	ND	0.5000	0.5131	103	0.5308	106	75-125	3	0-20	
Copper	ND	0.5000	0.5162	103	0.5309	106	75-125	3	0-20	
Lead	ND	0.5000	0.4855	97	0.5052	101	75-125	4	0-20	
Molybdenum	ND	0.5000	0.4874	97	0.5071	101	75-125	4	0-20	
Nickel	ND	0.5000	0.5211	104	0.5381	108	75-125	3	0-20	
Selenium	ND	0.5000	0.5196	104	0.5414	108	75-125	4	0-20	
Silver	ND	0.2500	0.2524	101	0.2662	106	75-125	5	0-20	
Thallium	ND	0.5000	0.5051	101	0.5301	106	75-125	5	0-20	
Vanadium	ND	0.5000	0.4959	99	0.5143	103	75-125	4	0-20	
Zinc	ND	0.5000	0.5497	110	0.5676	114	75-125	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 3010A Total
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-003-13598	**Aqueous**	**ICP 7300**	**07/30/13 13:14**	**130729LA2A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	0.5000	0.5683	114	80-120	73-127	
Arsenic	0.5000	0.5296	106	80-120	73-127	
Barium	0.5000	0.5814	116	80-120	73-127	
Beryllium	0.5000	0.5295	106	80-120	73-127	
Cadmium	0.5000	0.5398	108	80-120	73-127	
Chromium	0.5000	0.5429	109	80-120	73-127	
Cobalt	0.5000	0.5652	113	80-120	73-127	
Copper	0.5000	0.5185	104	80-120	73-127	
Lead	0.5000	0.5261	105	80-120	73-127	
Molybdenum	0.5000	0.5293	106	80-120	73-127	
Nickel	0.5000	0.5719	114	80-120	73-127	
Selenium	0.5000	0.4918	98	80-120	73-127	
Silver	0.2500	0.2564	103	80-120	73-127	
Thallium	0.5000	0.5246	105	80-120	73-127	
Vanadium	0.5000	0.5193	104	80-120	73-127	
Zinc	0.5000	0.5709	114	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental		Date Received:	07/26/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1840
Long Beach, CA 90802-3335		Preparation:	EPA 7470A Total
		Method:	EPA 7470A
Project: Panama Site / MCGU-13-2252			Page 2 of 4

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-04-008-6585	**Aqueous**	**Mercury**	**07/30/13 13:44**	**130729L10**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.01000	0.009198	92	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental		Date Received:	07/26/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1840
Long Beach, CA 90802-3335		Preparation:	EPA 3520C
		Method:	EPA 8270C(M) Isotope Dilution
Project: Panama Site / MCGU-13-2252			Page 3 of 4

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-004-2364	**Aqueous**	**GC/MS DDD**	**08/03/13 13:34**	**130729L25**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	200.0	188.4	94	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/26/13
Work Order: 13-07-1840
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-14-001-11545	**Aqueous**	**GC/MS O**	**07/30/13 10:41**	**130730L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	48.99	98	80-120	73-127	
Carbon Tetrachloride	50.00	51.08	102	66-138	54-150	
Chlorobenzene	50.00	47.40	95	80-120	73-127	
1,2-Dibromoethane	50.00	48.24	96	80-120	73-127	
1,2-Dichlorobenzene	50.00	48.57	97	80-120	73-127	
1,2-Dichloroethane	50.00	52.01	104	80-129	72-137	
1,1-Dichloroethene	50.00	63.16	126	71-131	61-141	
Ethylbenzene	50.00	54.43	109	80-123	73-130	
Toluene	50.00	50.29	101	79-121	72-128	
Trichloroethene	50.00	48.12	96	80-120	73-127	
Vinyl Chloride	50.00	54.97	110	70-136	59-147	
p/m-Xylene	100.0	112.2	112	75-125	67-133	
o-Xylene	50.00	57.36	115	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	57.02	114	72-126	63-135	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1840

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3010A Total	469	ICP 7300	1
EPA 7470A	EPA 7470A Total	769	Mercury	1
EPA 8260B	EPA 5030C	626	GC/MS O	2
EPA 8270C(M) Isotope Dilution	EPA 3520C	421	GC/MS DDD	1
EPA 8270C(M) Isotope Dilution	EPA 3520C	859	GC/MS DDD	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1840 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
Other CA office locations: Concord and San Luis Obispo
For courier service / sample drop off information,
contact sales@calscience.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY
13-07-1840

Date 7/26/13
Page 1 of 1

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Bldg
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: steve.rideneur@altaenviron.com; reid.shigeno@" "
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD
☐ COELT EDF GLOBAL ID LOG CODE
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: Panama Site MCGU-13-7252
P.O. NO.:
PROJECT CONTACT: Mike Cassidy
SAMPLER(S): (PRINT) Reid Shigeno

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	~~SVOCs~~ (8270) 1,4 Dioxane	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	GW1	7/26/13	1245	Water	5									X			X				X					
2	GW2	"	905	"	5									X			X				X					
3	GW3	"	1100	"	5									X			X				X					

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/26/13	Time: 1545
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

11/01/12 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1840

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Alta

DATE: 07/26/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 15.2 °C - 0.2 °C (CF) = 15.0 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☑ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: YC

CUSTODY SEALS INTACT:

☐ Cooler ☐ _____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: YC

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present Initial: DX

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH/Res. Cl/Diss. Sulfide/Diss. O_2 (water) rec'd within 15-min holding time	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☑1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☑250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ Labeled/Checked by: DX

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: YS

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered Scanned by: YS

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1840

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☑ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

(1) 1 liter Amber, 250 ml plastic/HNO_3
Collection date per label is 7/25/13

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: MS 07/26/13

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-07-1839

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site / MCGU-13-2252

Attention: Steve Ridenour
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 08/05/2013 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

nelac

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 13-07-1839

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-1839 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/26/13. They were assigned to Work Order 13-07-1839.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1839
Project Name: Panama Site / MCGU-13-2252
Received: 07/26/13

Attn: Steve Ridenour

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B4-Con (13-07-1839-1)						
Acetone	33	J	6.2*	ug/kg	EPA 8260B	EPA 5030C
2-Butanone	4.2	J	3.8*	ug/kg	EPA 8260B	EPA 5030C
Chloroform	0.71	J	0.24*	ug/kg	EPA 8260B	EPA 5030C
GW3-As (13-07-1839-2)						
Acetone	6.8	J	6.2*	ug/kg	EPA 8260B	EPA 5030C
Tetrachloroethene	2.9	J	0.21*	ug/kg	EPA 8260B	EPA 5030C
B38-As (13-07-1839-3)						
Tetrachloroethene	2.6	J	0.21*	ug/kg	EPA 8260B	EPA 5030C
B12-Con (13-07-1839-4)						
Acetone	140		120	ug/kg	EPA 8260B	EPA 5030C
2-Butanone	4.8	J	3.8*	ug/kg	EPA 8260B	EPA 5030C
Chloroform	1.5	J	0.24*	ug/kg	EPA 8260B	EPA 5030C
1,2-Dichlorobenzene	0.78	J	0.23*	ug/kg	EPA 8260B	EPA 5030C
Tetrachloroethene	3.8	J	0.21*	ug/kg	EPA 8260B	EPA 5030C
1,1,1-Trichloroethane	2.2	J	0.23*	ug/kg	EPA 8260B	EPA 5030C
Trichloroethene	4.1	J	0.30*	ug/kg	EPA 8260B	EPA 5030C
B55-Con (13-07-1839-5)						
Acetone	15	J	6.2*	ug/kg	EPA 8260B	EPA 5030C
Benzene	0.22	J	0.13*	ug/kg	EPA 8260B	EPA 5030C
p/m-Xylene	0.28	J	0.27*	ug/kg	EPA 8260B	EPA 5030C
B10-Con (13-07-1839-6)						
Acetone	19	J	6.2*	ug/kg	EPA 8260B	EPA 5030C
Benzene	0.24	J	0.13*	ug/kg	EPA 8260B	EPA 5030C
2-Butanone	3.9	J	3.8*	ug/kg	EPA 8260B	EPA 5030C
Ethylbenzene	0.27	J	0.15*	ug/kg	EPA 8260B	EPA 5030C
Styrene	2.1	J	0.60*	ug/kg	EPA 8260B	EPA 5030C
Tetrachloroethene	0.27	J	0.21*	ug/kg	EPA 8260B	EPA 5030C
Toluene	0.82	J	0.52*	ug/kg	EPA 8260B	EPA 5030C
p/m-Xylene	0.59	J	0.27*	ug/kg	EPA 8260B	EPA 5030C
o-Xylene	0.98	J	0.56*	ug/kg	EPA 8260B	EPA 5030C
GW1-As (13-07-1839-7)						
Acetone	6.2	J	6.2*	ug/kg	EPA 8260B	EPA 5030C
B39-As (13-07-1839-8)						
Acetone	13	J	6.2*	ug/kg	EPA 8260B	EPA 5030C

Subcontracted analyses, if any, are not included in this summary.

* MDL is shown

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/26/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1839
Long Beach, CA 90802-3335		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 1 of 18

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4-Con	**13-07-1839-1-A**	**07/26/13 08:00**	**Soil**	**GC/MS JJ**	**07/26/13**	**07/27/13 15:28**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	33	120	6.2	1	J
Benzene	ND	5.0	0.13	1	
Bromobenzene	ND	5.0	0.21	1	
Bromochloromethane	ND	5.0	0.69	1	
Bromodichloromethane	ND	5.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	25	9.4	1	
2-Butanone	4.2	50	3.8	1	J
n-Butylbenzene	ND	5.0	0.16	1	
sec-Butylbenzene	ND	5.0	0.58	1	
tert-Butylbenzene	ND	5.0	0.15	1	
Carbon Disulfide	ND	50	0.31	1	
Carbon Tetrachloride	ND	5.0	0.28	1	
Chlorobenzene	ND	5.0	0.22	1	
Chloroethane	ND	5.0	1.5	1	
Chloroform	0.71	5.0	0.24	1	J
Chloromethane	ND	25	0.30	1	
2-Chlorotoluene	ND	5.0	0.23	1	
4-Chlorotoluene	ND	5.0	0.21	1	
Dibromochloromethane	ND	5.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1	
1,2-Dibromoethane	ND	5.0	0.26	1	
Dibromomethane	ND	5.0	0.77	1	
1,2-Dichlorobenzene	ND	5.0	0.23	1	
1,3-Dichlorobenzene	ND	5.0	0.18	1	
1,4-Dichlorobenzene	ND	5.0	0.22	1	
Dichlorodifluoromethane	ND	5.0	0.44	1	
1,1-Dichloroethane	ND	5.0	0.21	1	
1,2-Dichloroethane	ND	5.0	0.31	1	
1,1-Dichloroethene	ND	5.0	0.35	1	
c-1,2-Dichloroethene	ND	5.0	0.28	1	
t-1,2-Dichloroethene	ND	5.0	0.51	1	
1,2-Dichloropropane	ND	5.0	0.44	1	
1,3-Dichloropropane	ND	5.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	5.0	0.33	1	
c-1,3-Dichloropropene	ND	5.0	0.25	1	
t-1,3-Dichloropropene	ND	5.0	0.61	1	
Ethylbenzene	ND	5.0	0.15	1	
2-Hexanone	ND	50	1.8	1	
Isopropylbenzene	ND	5.0	0.55	1	
p-Isopropyltoluene	ND	5.0	0.63	1	
Methylene Chloride	ND	50	1.3	1	
4-Methyl-2-Pentanone	ND	50	4.3	1	
Naphthalene	ND	50	0.81	1	
n-Propylbenzene	ND	5.0	0.50	1	
Styrene	ND	5.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1	
Tetrachloroethene	ND	5.0	0.21	1	
Toluene	ND	5.0	0.52	1	
1,2,3-Trichlorobenzene	ND	10	0.91	1	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1	
1,1,1-Trichloroethane	ND	5.0	0.23	1	
1,1,2-Trichloroethane	ND	5.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1	
Trichloroethene	ND	5.0	0.30	1	
1,2,3-Trichloropropane	ND	5.0	0.83	1	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1	
Trichlorofluoromethane	ND	50	0.38	1	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1	
Vinyl Acetate	ND	50	4.7	1	
Vinyl Chloride	ND	5.0	0.50	1	
p/m-Xylene	ND	5.0	0.27	1	
o-Xylene	ND	5.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	60-132	
Dibromofluoromethane	96	63-141	
1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	95	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW3-As	**13-07-1839-2-A**	**07/26/13 08:20**	**Soil**	**GC/MS JJ**	**07/26/13**	**07/27/13 15:56**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.8	120	6.2	1	J
Benzene	ND	5.0	0.13	1	
Bromobenzene	ND	5.0	0.21	1	
Bromochloromethane	ND	5.0	0.69	1	
Bromodichloromethane	ND	5.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	25	9.4	1	
2-Butanone	ND	50	3.8	1	
n-Butylbenzene	ND	5.0	0.16	1	
sec-Butylbenzene	ND	5.0	0.58	1	
tert-Butylbenzene	ND	5.0	0.15	1	
Carbon Disulfide	ND	50	0.31	1	
Carbon Tetrachloride	ND	5.0	0.28	1	
Chlorobenzene	ND	5.0	0.22	1	
Chloroethane	ND	5.0	1.5	1	
Chloroform	ND	5.0	0.24	1	
Chloromethane	ND	25	0.30	1	
2-Chlorotoluene	ND	5.0	0.23	1	
4-Chlorotoluene	ND	5.0	0.21	1	
Dibromochloromethane	ND	5.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1	
1,2-Dibromoethane	ND	5.0	0.26	1	
Dibromomethane	ND	5.0	0.77	1	
1,2-Dichlorobenzene	ND	5.0	0.23	1	
1,3-Dichlorobenzene	ND	5.0	0.18	1	
1,4-Dichlorobenzene	ND	5.0	0.22	1	
Dichlorodifluoromethane	ND	5.0	0.44	1	
1,1-Dichloroethane	ND	5.0	0.21	1	
1,2-Dichloroethane	ND	5.0	0.31	1	
1,1-Dichloroethene	ND	5.0	0.35	1	
c-1,2-Dichloroethene	ND	5.0	0.28	1	
t-1,2-Dichloroethene	ND	5.0	0.51	1	
1,2-Dichloropropane	ND	5.0	0.44	1	
1,3-Dichloropropane	ND	5.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	5.0	0.33	1	
c-1,3-Dichloropropene	ND	5.0	0.25	1	
t-1,3-Dichloropropene	ND	5.0	0.61	1	
Ethylbenzene	ND	5.0	0.15	1	
2-Hexanone	ND	50	1.8	1	
Isopropylbenzene	ND	5.0	0.55	1	
p-Isopropyltoluene	ND	5.0	0.63	1	
Methylene Chloride	ND	50	1.3	1	
4-Methyl-2-Pentanone	ND	50	4.3	1	
Naphthalene	ND	50	0.81	1	
n-Propylbenzene	ND	5.0	0.50	1	
Styrene	ND	5.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1	
Tetrachloroethene	2.9	5.0	0.21	1	J
Toluene	ND	5.0	0.52	1	
1,2,3-Trichlorobenzene	ND	10	0.91	1	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1	
1,1,1-Trichloroethane	ND	5.0	0.23	1	
1,1,2-Trichloroethane	ND	5.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1	
Trichloroethene	ND	5.0	0.30	1	
1,2,3-Trichloropropane	ND	5.0	0.83	1	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1	
Trichlorofluoromethane	ND	50	0.38	1	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1	
Vinyl Acetate	ND	50	4.7	1	
Vinyl Chloride	ND	5.0	0.50	1	
p/m-Xylene	ND	5.0	0.27	1	
o-Xylene	ND	5.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	104	62-146	
Toluene-d8	94	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B38-As	**13-07-1839-3-A**	**07/26/13 08:45**	**Soil**	**GC/MS JJ**	**07/26/13**	**07/27/13 16:24**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1	
Benzene	ND	5.0	0.13	1	
Bromobenzene	ND	5.0	0.21	1	
Bromochloromethane	ND	5.0	0.69	1	
Bromodichloromethane	ND	5.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	25	9.4	1	
2-Butanone	ND	50	3.8	1	
n-Butylbenzene	ND	5.0	0.16	1	
sec-Butylbenzene	ND	5.0	0.58	1	
tert-Butylbenzene	ND	5.0	0.15	1	
Carbon Disulfide	ND	50	0.31	1	
Carbon Tetrachloride	ND	5.0	0.28	1	
Chlorobenzene	ND	5.0	0.22	1	
Chloroethane	ND	5.0	1.5	1	
Chloroform	ND	5.0	0.24	1	
Chloromethane	ND	25	0.30	1	
2-Chlorotoluene	ND	5.0	0.23	1	
4-Chlorotoluene	ND	5.0	0.21	1	
Dibromochloromethane	ND	5.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1	
1,2-Dibromoethane	ND	5.0	0.26	1	
Dibromomethane	ND	5.0	0.77	1	
1,2-Dichlorobenzene	ND	5.0	0.23	1	
1,3-Dichlorobenzene	ND	5.0	0.18	1	
1,4-Dichlorobenzene	ND	5.0	0.22	1	
Dichlorodifluoromethane	ND	5.0	0.44	1	
1,1-Dichloroethane	ND	5.0	0.21	1	
1,2-Dichloroethane	ND	5.0	0.31	1	
1,1-Dichloroethene	ND	5.0	0.35	1	
c-1,2-Dichloroethene	ND	5.0	0.28	1	
t-1,2-Dichloroethene	ND	5.0	0.51	1	
1,2-Dichloropropane	ND	5.0	0.44	1	
1,3-Dichloropropane	ND	5.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	5.0	0.33	1	
c-1,3-Dichloropropene	ND	5.0	0.25	1	
t-1,3-Dichloropropene	ND	5.0	0.61	1	
Ethylbenzene	ND	5.0	0.15	1	
2-Hexanone	ND	50	1.8	1	
Isopropylbenzene	ND	5.0	0.55	1	
p-Isopropyltoluene	ND	5.0	0.63	1	
Methylene Chloride	ND	50	1.3	1	
4-Methyl-2-Pentanone	ND	50	4.3	1	
Naphthalene	ND	50	0.81	1	
n-Propylbenzene	ND	5.0	0.50	1	
Styrene	ND	5.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1	
Tetrachloroethene	2.6	5.0	0.21	1	J
Toluene	ND	5.0	0.52	1	
1,2,3-Trichlorobenzene	ND	10	0.91	1	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1	
1,1,1-Trichloroethane	ND	5.0	0.23	1	
1,1,2-Trichloroethane	ND	5.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1	
Trichloroethene	ND	5.0	0.30	1	
1,2,3-Trichloropropane	ND	5.0	0.83	1	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1	
Trichlorofluoromethane	ND	50	0.38	1	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1	
Vinyl Acetate	ND	50	4.7	1	
Vinyl Chloride	ND	5.0	0.50	1	
p/m-Xylene	ND	5.0	0.27	1	
o-Xylene	ND	5.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	60-132	
Dibromofluoromethane	96	63-141	
1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	93	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B12-Con	**13-07-1839-4-A**	**07/26/13 09:10**	**Soil**	**GC/MS JJ**	**07/26/13**	**07/27/13 16:52**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	140	120	6.2	1	
Benzene	ND	5.0	0.13	1	
Bromobenzene	ND	5.0	0.21	1	
Bromochloromethane	ND	5.0	0.69	1	
Bromodichloromethane	ND	5.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	25	9.4	1	
2-Butanone	4.8	50	3.8	1	J
n-Butylbenzene	ND	5.0	0.16	1	
sec-Butylbenzene	ND	5.0	0.58	1	
tert-Butylbenzene	ND	5.0	0.15	1	
Carbon Disulfide	ND	50	0.31	1	
Carbon Tetrachloride	ND	5.0	0.28	1	
Chlorobenzene	ND	5.0	0.22	1	
Chloroethane	ND	5.0	1.5	1	
Chloroform	1.5	5.0	0.24	1	J
Chloromethane	ND	25	0.30	1	
2-Chlorotoluene	ND	5.0	0.23	1	
4-Chlorotoluene	ND	5.0	0.21	1	
Dibromochloromethane	ND	5.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1	
1,2-Dibromoethane	ND	5.0	0.26	1	
Dibromomethane	ND	5.0	0.77	1	
1,2-Dichlorobenzene	0.78	5.0	0.23	1	J
1,3-Dichlorobenzene	ND	5.0	0.18	1	
1,4-Dichlorobenzene	ND	5.0	0.22	1	
Dichlorodifluoromethane	ND	5.0	0.44	1	
1,1-Dichloroethane	ND	5.0	0.21	1	
1,2-Dichloroethane	ND	5.0	0.31	1	
1,1-Dichloroethene	ND	5.0	0.35	1	
c-1,2-Dichloroethene	ND	5.0	0.28	1	
t-1,2-Dichloroethene	ND	5.0	0.51	1	
1,2-Dichloropropane	ND	5.0	0.44	1	
1,3-Dichloropropane	ND	5.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	5.0	0.33	1	
c-1,3-Dichloropropene	ND	5.0	0.25	1	
t-1,3-Dichloropropene	ND	5.0	0.61	1	
Ethylbenzene	ND	5.0	0.15	1	
2-Hexanone	ND	50	1.8	1	
Isopropylbenzene	ND	5.0	0.55	1	
p-Isopropyltoluene	ND	5.0	0.63	1	
Methylene Chloride	ND	50	1.3	1	
4-Methyl-2-Pentanone	ND	50	4.3	1	
Naphthalene	ND	50	0.81	1	
n-Propylbenzene	ND	5.0	0.50	1	
Styrene	ND	5.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1	
Tetrachloroethene	3.8	5.0	0.21	1	J
Toluene	ND	5.0	0.52	1	
1,2,3-Trichlorobenzene	ND	10	0.91	1	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1	
1,1,1-Trichloroethane	2.2	5.0	0.23	1	J
1,1,2-Trichloroethane	ND	5.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1	
Trichloroethene	4.1	5.0	0.30	1	J
1,2,3-Trichloropropane	ND	5.0	0.83	1	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1	
Trichlorofluoromethane	ND	50	0.38	1	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1	
Vinyl Acetate	ND	50	4.7	1	
Vinyl Chloride	ND	5.0	0.50	1	
p/m-Xylene	ND	5.0	0.27	1	
o-Xylene	ND	5.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	60-132	
Dibromofluoromethane	76	63-141	
1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B55-Con	**13-07-1839-5-A**	**07/26/13 09:40**	**Soil**	**GC/MS JJ**	**07/26/13**	**07/27/13 13:36**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	15	120	6.2	1	J
Benzene	0.22	5.0	0.13	1	J
Bromobenzene	ND	5.0	0.21	1	
Bromochloromethane	ND	5.0	0.69	1	
Bromodichloromethane	ND	5.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	25	9.4	1	
2-Butanone	ND	50	3.8	1	
n-Butylbenzene	ND	5.0	0.16	1	
sec-Butylbenzene	ND	5.0	0.58	1	
tert-Butylbenzene	ND	5.0	0.15	1	
Carbon Disulfide	ND	50	0.31	1	
Carbon Tetrachloride	ND	5.0	0.28	1	
Chlorobenzene	ND	5.0	0.22	1	
Chloroethane	ND	5.0	1.5	1	
Chloroform	ND	5.0	0.24	1	
Chloromethane	ND	25	0.30	1	
2-Chlorotoluene	ND	5.0	0.23	1	
4-Chlorotoluene	ND	5.0	0.21	1	
Dibromochloromethane	ND	5.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1	
1,2-Dibromoethane	ND	5.0	0.26	1	
Dibromomethane	ND	5.0	0.77	1	
1,2-Dichlorobenzene	ND	5.0	0.23	1	
1,3-Dichlorobenzene	ND	5.0	0.18	1	
1,4-Dichlorobenzene	ND	5.0	0.22	1	
Dichlorodifluoromethane	ND	5.0	0.44	1	
1,1-Dichloroethane	ND	5.0	0.21	1	
1,2-Dichloroethane	ND	5.0	0.31	1	
1,1-Dichloroethene	ND	5.0	0.35	1	
c-1,2-Dichloroethene	ND	5.0	0.28	1	
t-1,2-Dichloroethene	ND	5.0	0.51	1	
1,2-Dichloropropane	ND	5.0	0.44	1	
1,3-Dichloropropane	ND	5.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	5.0	0.33	1	
c-1,3-Dichloropropene	ND	5.0	0.25	1	
t-1,3-Dichloropropene	ND	5.0	0.61	1	
Ethylbenzene	ND	5.0	0.15	1	
2-Hexanone	ND	50	1.8	1	
Isopropylbenzene	ND	5.0	0.55	1	
p-Isopropyltoluene	ND	5.0	0.63	1	
Methylene Chloride	ND	50	1.3	1	
4-Methyl-2-Pentanone	ND	50	4.3	1	
Naphthalene	ND	50	0.81	1	
n-Propylbenzene	ND	5.0	0.50	1	
Styrene	ND	5.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1	
Tetrachloroethene	ND	5.0	0.21	1	
Toluene	ND	5.0	0.52	1	
1,2,3-Trichlorobenzene	ND	10	0.91	1	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1	
1,1,1-Trichloroethane	ND	5.0	0.23	1	
1,1,2-Trichloroethane	ND	5.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1	
Trichloroethene	ND	5.0	0.30	1	
1,2,3-Trichloropropane	ND	5.0	0.83	1	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1	
Trichlorofluoromethane	ND	50	0.38	1	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1	
Vinyl Acetate	ND	50	4.7	1	
Vinyl Chloride	ND	5.0	0.50	1	
p/m-Xylene	0.28	5.0	0.27	1	J
o-Xylene	ND	5.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	60-132	
Dibromofluoromethane	99	63-141	
1,2-Dichloroethane-d4	114	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B10-Con	**13-07-1839-6-A**	**07/26/13 10:15**	**Soil**	**GC/MS JJ**	**07/26/13**	**07/27/13 17:20**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	19	120	6.2	1	J
Benzene	0.24	5.0	0.13	1	J
Bromobenzene	ND	5.0	0.21	1	
Bromochloromethane	ND	5.0	0.69	1	
Bromodichloromethane	ND	5.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	25	9.4	1	
2-Butanone	3.9	50	3.8	1	J
n-Butylbenzene	ND	5.0	0.16	1	
sec-Butylbenzene	ND	5.0	0.58	1	
tert-Butylbenzene	ND	5.0	0.15	1	
Carbon Disulfide	ND	50	0.31	1	
Carbon Tetrachloride	ND	5.0	0.28	1	
Chlorobenzene	ND	5.0	0.22	1	
Chloroethane	ND	5.0	1.5	1	
Chloroform	ND	5.0	0.24	1	
Chloromethane	ND	25	0.30	1	
2-Chlorotoluene	ND	5.0	0.23	1	
4-Chlorotoluene	ND	5.0	0.21	1	
Dibromochloromethane	ND	5.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1	
1,2-Dibromoethane	ND	5.0	0.26	1	
Dibromomethane	ND	5.0	0.77	1	
1,2-Dichlorobenzene	ND	5.0	0.23	1	
1,3-Dichlorobenzene	ND	5.0	0.18	1	
1,4-Dichlorobenzene	ND	5.0	0.22	1	
Dichlorodifluoromethane	ND	5.0	0.44	1	
1,1-Dichloroethane	ND	5.0	0.21	1	
1,2-Dichloroethane	ND	5.0	0.31	1	
1,1-Dichloroethene	ND	5.0	0.35	1	
c-1,2-Dichloroethene	ND	5.0	0.28	1	
t-1,2-Dichloroethene	ND	5.0	0.51	1	
1,2-Dichloropropane	ND	5.0	0.44	1	
1,3-Dichloropropane	ND	5.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	5.0	0.33	1	
c-1,3-Dichloropropene	ND	5.0	0.25	1	
t-1,3-Dichloropropene	ND	5.0	0.61	1	
Ethylbenzene	0.27	5.0	0.15	1	J
2-Hexanone	ND	50	1.8	1	
Isopropylbenzene	ND	5.0	0.55	1	
p-Isopropyltoluene	ND	5.0	0.63	1	
Methylene Chloride	ND	50	1.3	1	
4-Methyl-2-Pentanone	ND	50	4.3	1	
Naphthalene	ND	50	0.81	1	
n-Propylbenzene	ND	5.0	0.50	1	
Styrene	2.1	5.0	0.60	1	J
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1	
Tetrachloroethene	0.27	5.0	0.21	1	J
Toluene	0.82	5.0	0.52	1	J
1,2,3-Trichlorobenzene	ND	10	0.91	1	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1	
1,1,1-Trichloroethane	ND	5.0	0.23	1	
1,1,2-Trichloroethane	ND	5.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1	
Trichloroethene	ND	5.0	0.30	1	
1,2,3-Trichloropropane	ND	5.0	0.83	1	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1	
Trichlorofluoromethane	ND	50	0.38	1	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1	
Vinyl Acetate	ND	50	4.7	1	
Vinyl Chloride	ND	5.0	0.50	1	
p/m-Xylene	0.59	5.0	0.27	1	J
o-Xylene	0.98	5.0	0.56	1	J
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	100	62-146	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
GW1-As	**13-07-1839-7-A**	**07/26/13 10:50**	**Soil**	**GC/MS JJ**	**07/26/13**	**07/27/13 17:48**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.2	120	6.2	1	J
Benzene	ND	5.0	0.13	1	
Bromobenzene	ND	5.0	0.21	1	
Bromochloromethane	ND	5.0	0.69	1	
Bromodichloromethane	ND	5.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	25	9.4	1	
2-Butanone	ND	50	3.8	1	
n-Butylbenzene	ND	5.0	0.16	1	
sec-Butylbenzene	ND	5.0	0.58	1	
tert-Butylbenzene	ND	5.0	0.15	1	
Carbon Disulfide	ND	50	0.31	1	
Carbon Tetrachloride	ND	5.0	0.28	1	
Chlorobenzene	ND	5.0	0.22	1	
Chloroethane	ND	5.0	1.5	1	
Chloroform	ND	5.0	0.24	1	
Chloromethane	ND	25	0.30	1	
2-Chlorotoluene	ND	5.0	0.23	1	
4-Chlorotoluene	ND	5.0	0.21	1	
Dibromochloromethane	ND	5.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1	
1,2-Dibromoethane	ND	5.0	0.26	1	
Dibromomethane	ND	5.0	0.77	1	
1,2-Dichlorobenzene	ND	5.0	0.23	1	
1,3-Dichlorobenzene	ND	5.0	0.18	1	
1,4-Dichlorobenzene	ND	5.0	0.22	1	
Dichlorodifluoromethane	ND	5.0	0.44	1	
1,1-Dichloroethane	ND	5.0	0.21	1	
1,2-Dichloroethane	ND	5.0	0.31	1	
1,1-Dichloroethene	ND	5.0	0.35	1	
c-1,2-Dichloroethene	ND	5.0	0.28	1	
t-1,2-Dichloroethene	ND	5.0	0.51	1	
1,2-Dichloropropane	ND	5.0	0.44	1	
1,3-Dichloropropane	ND	5.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	5.0	0.33	1	
c-1,3-Dichloropropene	ND	5.0	0.25	1	
t-1,3-Dichloropropene	ND	5.0	0.61	1	
Ethylbenzene	ND	5.0	0.15	1	
2-Hexanone	ND	50	1.8	1	
Isopropylbenzene	ND	5.0	0.55	1	
p-Isopropyltoluene	ND	5.0	0.63	1	
Methylene Chloride	ND	50	1.3	1	
4-Methyl-2-Pentanone	ND	50	4.3	1	
Naphthalene	ND	50	0.81	1	
n-Propylbenzene	ND	5.0	0.50	1	
Styrene	ND	5.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1	
Tetrachloroethene	ND	5.0	0.21	1	
Toluene	ND	5.0	0.52	1	
1,2,3-Trichlorobenzene	ND	10	0.91	1	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1	
1,1,1-Trichloroethane	ND	5.0	0.23	1	
1,1,2-Trichloroethane	ND	5.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1	
Trichloroethene	ND	5.0	0.30	1	
1,2,3-Trichloropropane	ND	5.0	0.83	1	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1	
Trichlorofluoromethane	ND	50	0.38	1	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1	
Vinyl Acetate	ND	50	4.7	1	
Vinyl Chloride	ND	5.0	0.50	1	
p/m-Xylene	ND	5.0	0.27	1	
o-Xylene	ND	5.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	106	62-146	
Toluene-d8	90	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received:	07/26/13
Work Order:	13-07-1839
Preparation:	EPA 5030C
Method:	EPA 8260B
Units:	ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B39-As	**13-07-1839-8-A**	**07/26/13 12:00**	**Soil**	**GC/MS JJ**	**07/26/13**	**07/27/13 18:16**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	13	120	6.2	1	J
Benzene	ND	5.0	0.13	1	
Bromobenzene	ND	5.0	0.21	1	
Bromochloromethane	ND	5.0	0.69	1	
Bromodichloromethane	ND	5.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	25	9.4	1	
2-Butanone	ND	50	3.8	1	
n-Butylbenzene	ND	5.0	0.16	1	
sec-Butylbenzene	ND	5.0	0.58	1	
tert-Butylbenzene	ND	5.0	0.15	1	
Carbon Disulfide	ND	50	0.31	1	
Carbon Tetrachloride	ND	5.0	0.28	1	
Chlorobenzene	ND	5.0	0.22	1	
Chloroethane	ND	5.0	1.5	1	
Chloroform	ND	5.0	0.24	1	
Chloromethane	ND	25	0.30	1	
2-Chlorotoluene	ND	5.0	0.23	1	
4-Chlorotoluene	ND	5.0	0.21	1	
Dibromochloromethane	ND	5.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1	
1,2-Dibromoethane	ND	5.0	0.26	1	
Dibromomethane	ND	5.0	0.77	1	
1,2-Dichlorobenzene	ND	5.0	0.23	1	
1,3-Dichlorobenzene	ND	5.0	0.18	1	
1,4-Dichlorobenzene	ND	5.0	0.22	1	
Dichlorodifluoromethane	ND	5.0	0.44	1	
1,1-Dichloroethane	ND	5.0	0.21	1	
1,2-Dichloroethane	ND	5.0	0.31	1	
1,1-Dichloroethene	ND	5.0	0.35	1	
c-1,2-Dichloroethene	ND	5.0	0.28	1	
t-1,2-Dichloroethene	ND	5.0	0.51	1	
1,2-Dichloropropane	ND	5.0	0.44	1	
1,3-Dichloropropane	ND	5.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	5.0	0.33	1	
c-1,3-Dichloropropene	ND	5.0	0.25	1	
t-1,3-Dichloropropene	ND	5.0	0.61	1	
Ethylbenzene	ND	5.0	0.15	1	
2-Hexanone	ND	50	1.8	1	
Isopropylbenzene	ND	5.0	0.55	1	
p-Isopropyltoluene	ND	5.0	0.63	1	
Methylene Chloride	ND	50	1.3	1	
4-Methyl-2-Pentanone	ND	50	4.3	1	
Naphthalene	ND	50	0.81	1	
n-Propylbenzene	ND	5.0	0.50	1	
Styrene	ND	5.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1	
Tetrachloroethene	ND	5.0	0.21	1	
Toluene	ND	5.0	0.52	1	
1,2,3-Trichlorobenzene	ND	10	0.91	1	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1	
1,1,1-Trichloroethane	ND	5.0	0.23	1	
1,1,2-Trichloroethane	ND	5.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1	
Trichloroethene	ND	5.0	0.30	1	
1,2,3-Trichloropropane	ND	5.0	0.83	1	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1	
Trichlorofluoromethane	ND	50	0.38	1	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1	
Vinyl Acetate	ND	50	4.7	1	
Vinyl Chloride	ND	5.0	0.50	1	
p/m-Xylene	ND	5.0	0.27	1	
o-Xylene	ND	5.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	60-132	
Dibromofluoromethane	105	63-141	
1,2-Dichloroethane-d4	116	62-146	
Toluene-d8	88	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-7469**	**N/A**	**Soil**	**GC/MS JJ**	**07/27/13**	**07/27/13 12:40**	**130727L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	120	6.2	1	
Benzene	ND	5.0	0.13	1	
Bromobenzene	ND	5.0	0.21	1	
Bromochloromethane	ND	5.0	0.69	1	
Bromodichloromethane	ND	5.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	25	9.4	1	
2-Butanone	ND	50	3.8	1	
n-Butylbenzene	ND	5.0	0.16	1	
sec-Butylbenzene	ND	5.0	0.58	1	
tert-Butylbenzene	ND	5.0	0.15	1	
Carbon Disulfide	ND	50	0.31	1	
Carbon Tetrachloride	ND	5.0	0.28	1	
Chlorobenzene	ND	5.0	0.22	1	
Chloroethane	ND	5.0	1.5	1	
Chloroform	ND	5.0	0.24	1	
Chloromethane	ND	25	0.30	1	
2-Chlorotoluene	ND	5.0	0.23	1	
4-Chlorotoluene	ND	5.0	0.21	1	
Dibromochloromethane	ND	5.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	10	1.7	1	
1,2-Dibromoethane	ND	5.0	0.26	1	
Dibromomethane	ND	5.0	0.77	1	
1,2-Dichlorobenzene	ND	5.0	0.23	1	
1,3-Dichlorobenzene	ND	5.0	0.18	1	
1,4-Dichlorobenzene	ND	5.0	0.22	1	
Dichlorodifluoromethane	ND	5.0	0.44	1	
1,1-Dichloroethane	ND	5.0	0.21	1	
1,2-Dichloroethane	ND	5.0	0.31	1	
1,1-Dichloroethene	ND	5.0	0.35	1	
c-1,2-Dichloroethene	ND	5.0	0.28	1	
t-1,2-Dichloroethene	ND	5.0	0.51	1	
1,2-Dichloropropane	ND	5.0	0.44	1	
1,3-Dichloropropane	ND	5.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	5.0	0.33	1	
c-1,3-Dichloropropene	ND	5.0	0.25	1	
t-1,3-Dichloropropene	ND	5.0	0.61	1	
Ethylbenzene	ND	5.0	0.15	1	
2-Hexanone	ND	50	1.8	1	
Isopropylbenzene	ND	5.0	0.55	1	
p-Isopropyltoluene	ND	5.0	0.63	1	
Methylene Chloride	ND	50	1.3	1	
4-Methyl-2-Pentanone	ND	50	4.3	1	
Naphthalene	ND	50	0.81	1	
n-Propylbenzene	ND	5.0	0.50	1	
Styrene	ND	5.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	5.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	5.0	0.35	1	
Tetrachloroethene	ND	5.0	0.21	1	
Toluene	ND	5.0	0.52	1	
1,2,3-Trichlorobenzene	ND	10	0.91	1	
1,2,4-Trichlorobenzene	ND	5.0	0.31	1	
1,1,1-Trichloroethane	ND	5.0	0.23	1	
1,1,2-Trichloroethane	ND	5.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	0.35	1	
Trichloroethene	ND	5.0	0.30	1	
1,2,3-Trichloropropane	ND	5.0	0.83	1	
1,2,4-Trimethylbenzene	ND	5.0	0.59	1	
Trichlorofluoromethane	ND	50	0.38	1	
1,3,5-Trimethylbenzene	ND	5.0	0.55	1	
Vinyl Acetate	ND	50	4.7	1	
Vinyl Chloride	ND	5.0	0.50	1	
p/m-Xylene	ND	5.0	0.27	1	
o-Xylene	ND	5.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	60-132	
Dibromofluoromethane	97	63-141	
1,2-Dichloroethane-d4	108	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B55-Con	**Soil**	**GC/MS JJ**	**07/26/13**	**07/27/13 14:04**	**130727S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	51.29	103	47.85	96	61-127	7	0-20	
Carbon Tetrachloride	ND	50.00	44.94	90	41.21	82	51-135	9	0-29	
Chlorobenzene	ND	50.00	47.70	95	44.95	90	57-123	6	0-20	
1,2-Dibromoethane	ND	50.00	55.24	110	53.17	106	64-124	4	0-20	
1,2-Dichlorobenzene	ND	50.00	49.96	100	46.70	93	35-131	7	0-25	
1,2-Dichloroethane	ND	50.00	55.24	110	49.76	100	80-120	10	0-20	
1,1-Dichloroethene	ND	50.00	47.92	96	44.93	90	47-143	6	0-25	
Ethylbenzene	ND	50.00	53.12	106	49.54	99	57-129	7	0-22	
Toluene	ND	50.00	50.36	101	47.20	94	63-123	6	0-20	
Trichloroethene	ND	50.00	56.23	112	52.69	105	44-158	7	0-20	
Vinyl Chloride	ND	50.00	44.71	89	45.19	90	49-139	1	0-47	
p/m-Xylene	ND	100.0	106.0	106	98.48	98	70-130	7	0-30	
o-Xylene	ND	50.00	53.04	106	49.69	99	70-130	7	0-30	
Methyl-t-Butyl Ether (MTBE)	ND	50.00	47.11	94	44.74	89	57-123	5	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/26/13
Work Order: 13-07-1839
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-12-796-7469	**Soil**	**GC/MS JJ**	**07/27/13 11:05**	**130727L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	45.98	92	78-120	71-127	
Carbon Tetrachloride	50.00	44.06	88	49-139	34-154	
Chlorobenzene	50.00	45.86	92	79-120	72-127	
1,2-Dibromoethane	50.00	51.34	103	80-120	73-127	
1,2-Dichlorobenzene	50.00	50.24	100	75-120	68-128	
1,2-Dichloroethane	50.00	51.24	102	80-120	73-127	
1,1-Dichloroethene	50.00	45.50	91	74-122	66-130	
Ethylbenzene	50.00	51.00	102	76-120	69-127	
Toluene	50.00	46.62	93	77-120	70-127	
Trichloroethene	50.00	49.17	98	80-120	73-127	
Vinyl Chloride	50.00	46.08	92	68-122	59-131	
p/m-Xylene	100.0	102.3	102	75-125	67-133	
o-Xylene	50.00	50.55	101	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	43.53	87	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1839

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8260B	EPA 5030C	316	GC/MS JJ	2

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1839 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
Other CA office locations: Concord and San Luis Obispo
For courier service / sample drop off information,
contact sales@calscience.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY
13-07-1839

Date 7/26/13
Page 1 of

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Bldg
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: steve.ridenour@altaenvironmental.net; reid.shigeno@ " "

CLIENT PROJECT NAME / NUMBER: Panama Site MCGU-13-3252
P.O. NO.:
PROJECT CONTACT: Mike Cassidy
SAMPLER(S): (PRINT) Reid Shigeno

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STANDARD

☐ COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	B4-Con	7/26/13	800	Solid	1									X											
2	GW3-A5		820											X											
3	B38-A5		845											X											
4	B12-Con		910											X											
5	B55-Con		940											X											
6	B10-Con		1015											X											
7	GW1-A5		1050											X											
8	B39-A5		1200											X											

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	CSL	7/26/13	1545
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

11/01/12 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1 8 3 9

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Alta

DATE: 07/26/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 15.2 °C - 0.2 °C (CF) = 15.0 °C ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☑ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: YL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: YL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: YL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH/Res. Cl/Diss. Sulfide/Diss. O_2 (water) rec'd within 15-min holding time	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☑4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** YL

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** NK

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** NK

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-07-1333

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site / MCGU-13-2252

Attention: Jonathan Barkman
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 08/06/2013 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 13-07-1333

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-1333 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/19/13. They were assigned to Work Order 13-07-1333.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B97-1 (13-07-1333-1)						
Acetone	6.9	J	5.7*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.32	J	0.12*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	9.9		0.91	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.43	J	0.27*	ug/kg	EPA 8260B	EPA 5035
B97-2.5 (13-07-1333-2)						
Arsenic	4.47		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	60.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.363		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.896		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	28.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	5.49		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	18.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	2.65		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	14.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.163	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	38.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	32.7		1.00	mg/kg	EPA 6010B	EPA 3050B
Acetone	6.2	J	5.7*	ug/kg	EPA 8260B	EPA 5035
Benzene	3.8		0.92	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.30	J	0.28*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	1.7		0.92	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.41	J	0.14*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	58		0.92	ug/kg	EPA 8260B	EPA 5035
Toluene	2.9		0.92	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	6.6		1.8	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.61	J	0.25*	ug/kg	EPA 8260B	EPA 5035

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Attn: Jonathan Barkman

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B97-5 (13-07-1333-3)						
Arsenic	7.26		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	76.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.438		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.733		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	7.53		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	19.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.91		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.46		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	23.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	44.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	47.1		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0102	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	15	J	6.4*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.16	J	0.13*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	1.6		1.0	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	12		1.0	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	2.1		2.0	ug/kg	EPA 8260B	EPA 5035
B97-10 (13-07-1333-4)						
Acetone	5.2	J	4.9*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.14	J	0.10*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	1.4		0.78	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	8.0		0.78	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	2.1		1.6	ug/kg	EPA 8260B	EPA 5035
B81-1 (13-07-1333-5)						
Acetone	54		47	ug/kg	EPA 8260B	EPA 5035
Benzene	0.48	J	0.12*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	8.3	J	3.6*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	3.2	B,J	0.29*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	28		0.94	ug/kg	EPA 8260B	EPA 5035
Toluene	0.81	J	0.49*	ug/kg	EPA 8260B	EPA 5035
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.79	J	0.33*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	34		1.9	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.44	J	0.25*	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B81-2.5 (13-07-1333-6)						
Arsenic	7.34		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	106		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.479		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.15		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	35.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	26.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.58		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.274		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	25.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	54.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	47.0		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0138	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	15	J	5.2*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	2.2		0.84	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.1		0.84	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	6.7		1.7	ug/kg	EPA 8260B	EPA 5035
B81-5 (13-07-1333-7)						
Arsenic	8.88		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	347		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.892		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.24		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	89.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	13.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	46.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	0.745		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	83.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	108		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	83.6		1.00	mg/kg	EPA 6010B	EPA 3050B
Acetone	11	J	5.3*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	4.3		0.85	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.6		0.85	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	8.4		1.7	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B81-10 (13-07-1333-8)						
Acetone	6.2	J	5.8*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.19	J	0.12*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.34	B,J	0.28*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	0.83	J	0.21*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	4.3		0.93	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	4.7		0.93	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	16		1.9	ug/kg	EPA 8260B	EPA 5035
B85-1 (13-07-1333-9)						
Acetone	50		45	ug/kg	EPA 8260B	EPA 5035
2-Butanone	13	J	3.4*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.32	B,J	0.28*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	0.93		0.91	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.50	J	0.27*	ug/kg	EPA 8260B	EPA 5035
B85-2.5 (13-07-1333-10)						
Arsenic	4.97		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	113		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.488		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.43		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	38.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.84		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	171		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	23.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	22.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.0916	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	42.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	76.6		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0870		0.0835	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	76	J	14*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	120		46	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	1200		46	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	210		46	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	730		92	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B85-5 (13-07-1333-11)						
Arsenic	8.49		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	115		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.521		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.23		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	31.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.81		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	22.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.78		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.13		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.207	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	50.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	42.6		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.00933	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
1,2-Dichlorobenzene	0.87	J	0.20*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	32		0.87	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.50	J	0.18*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	4.4		1.7	ug/kg	EPA 8260B	EPA 5035
B85-10 (13-07-1333-12)						
Carbon Disulfide	0.32	B,J	0.29*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	4.8		0.95	ug/kg	EPA 8260B	EPA 5035
1,4-Dichlorobenzene	0.26	J	0.21*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	8.6		0.95	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	3.6		0.95	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	13		1.9	ug/kg	EPA 8260B	EPA 5035
B84-1 (13-07-1333-13)						
Acetone	28	J	5.7*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	4.2	J	3.4*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.70	B,J	0.28*	ug/kg	EPA 8260B	EPA 5035
Toluene	0.94		0.91	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.31	J	0.24*	ug/kg	EPA 8260B	EPA 5035
Methyl-t-Butyl Ether (MTBE)	0.56	J	0.27*	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B84-2.5 (13-07-1333-14)						
Arsenic	6.42		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	121		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.530		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.66		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	41.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.83		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	195		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	27.6		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.124	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	47.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	87.8		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0704	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	31	J	5.7*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.41	J	0.12*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	1.4	J	0.28*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	9.5		0.91	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	6.9		1.8	ug/kg	EPA 8260B	EPA 5035
B84-5 (13-07-1333-15)						
Arsenic	14.2		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	158		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.543		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.51		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	32.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.87		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	24.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.09		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.72		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	26.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.266		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	56.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	41.8		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0173	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	9.5	J	5.6*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.0		0.90	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.56	J	0.27*	ug/kg	EPA 8260B	EPA 5035

* MDL is shown

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B84-10 (13-07-1333-16)						
Acetone	30	J	15*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.44	J	0.32*	ug/kg	EPA 8260B	EPA 5035
Bromoform	2.3	J	1.9*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.78	B,J	0.75*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.85	J	0.74*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	5.8		2.4	ug/kg	EPA 8260B	EPA 5035
1,1,1-Trichloroethane	0.69	J	0.55*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	3.7	J	0.73*	ug/kg	EPA 8260B	EPA 5035
B87-1 (13-07-1333-17)						
Acetone	30	J	5.8*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.34	J	0.12*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	4.1	J	3.5*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.57	B,J	0.28*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	1.3	J	0.28*	ug/kg	EPA 8260B	EPA 5035
Toluene	0.62	J	0.48*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.25	J	0.25*	ug/kg	EPA 8260B	EPA 5035
B87-2.5 (13-07-1333-18)						
Arsenic	3.18		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	107		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.396		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.698		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	23.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.52		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	28.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	7.68		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.892		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	14.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	39.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	42.4		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0349	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	27	J	5.1*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.59	J	0.11*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	3.9	J	3.1*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.83	J	0.25*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	40		0.82	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	2.1		0.82	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.36	J	0.17*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	4.2		1.6	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B87-5 (13-07-1333-19)						
Arsenic	10.1		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	185		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.745		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.38		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	46.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	37.1		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	5.33		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.45		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	36.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	70.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	60.1		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0229	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	9.2	J	5.6*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	16		0.89	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.58	J	0.27*	ug/kg	EPA 8260B	EPA 5035
B87-10 (13-07-1333-20)						
Benzene	0.12	J	0.10*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.32	B,J	0.24*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.48	J	0.24*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	23		0.79	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	0.61	J	0.40*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.23	J	0.17*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	1.3	J	0.24*	ug/kg	EPA 8260B	EPA 5035
B89-1 (13-07-1333-21)						
Acetone	32	J	6.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.49	J	0.13*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	4.9	J	3.6*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.68	B,J	0.30*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	28		0.96	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	1.4		0.96	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	7.5		0.96	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	7.5		1.9	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B89-2.5 (13-07-1333-22)						
Arsenic	6.54		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	116		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.505		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.49		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	38.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.68		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	195		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	25.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.156	J	0.132*	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	46.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	84.4		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0746	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	72		47	ug/kg	EPA 8260B	EPA 5035
Benzene	1.1		0.94	ug/kg	EPA 8260B	EPA 5035
2-Butanone	13	J	3.5*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	7.3	J	0.29*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.30	J	0.20*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	94		0.94	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	3.9		0.94	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.4		0.94	ug/kg	EPA 8260B	EPA 5035
Toluene	0.51	J	0.48*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	17		1.9	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B89-5 (13-07-1333-23)						
Arsenic	3.87		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	101		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.626		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.992		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	42.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.86		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	30.3		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.68		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	2.05		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.147	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	51.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	59.6		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0145	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Carbon Disulfide	0.46	J	0.27*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	0.25	J	0.20*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	26		0.89	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	0.50	J	0.45*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.21	J	0.19*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	2.6		1.8	ug/kg	EPA 8260B	EPA 5035
B89-10 (13-07-1333-24)						
Acetone	7.9	J	5.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.13	J	0.11*	ug/kg	EPA 8260B	EPA 5035
Chloromethane	0.32	J	0.25*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	0.97		0.83	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	21		0.83	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	0.59	J	0.42*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	1.2		0.83	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	5.2		1.7	ug/kg	EPA 8260B	EPA 5035
B90-1 (13-07-1333-25)						
Acetone	33	J	5.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.67	J	0.11*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	3.7	J	3.1*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	3.4	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.18	J	0.17*	ug/kg	EPA 8260B	EPA 5035
B90-2.5 (13-07-1333-26)						
Acetone	9.1	J	5.2*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.41	B,J	0.25*	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B90-5 (13-07-1333-27)						
Arsenic	4.77		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	129		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.632		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.652		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	34.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.73		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	28.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.90		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.40		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	43.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	54.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0236	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Tetrachloroethene	0.18	J	0.17*	ug/kg	EPA 8260B	EPA 5035
B90-10 (13-07-1333-28)						
Arsenic	4.22		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	67.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.402		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.601		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	32.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	6.65		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	19.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	2.93		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.12		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	41.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	42.3		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0236	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	7.8	J	5.1*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.40	J	0.17*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.36	J	0.24*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.26	J	0.22*	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B83-1 (13-07-1333-29)						
Acetone	35	J	5.2*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.53	J	0.11*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	4.9	J	3.2*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	0.31	B,J	0.26*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	0.79	J	0.19*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	38		0.84	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	0.80	J	0.42*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.63	J	0.18*	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.38	J	0.25*	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B83-2.5 (13-07-1333-30)						
Arsenic	13.8		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	119		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.470		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.47		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	33.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	10.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	31.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.94		0.500	mg/kg	EPA 6010B	EPA 3050B
Nickel	24.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.166	J	0.0857*	mg/kg	EPA 6010B	EPA 3050B
Vanadium	56.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	44.9		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0213	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	62		46	ug/kg	EPA 8260B	EPA 5035
Benzene	2.9		0.93	ug/kg	EPA 8260B	EPA 5035
2-Butanone	12	J	3.5*	ug/kg	EPA 8260B	EPA 5035
Carbon Disulfide	1.5	J	0.28*	ug/kg	EPA 8260B	EPA 5035
Chlorobenzene	0.22	J	0.21*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	16		0.93	ug/kg	EPA 8260B	EPA 5035
1,4-Dichlorobenzene	0.36	J	0.21*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethane	0.37	J	0.20*	ug/kg	EPA 8260B	EPA 5035
1,1-Dichloroethene	0.60	J	0.32*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	230	E	0.93	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	920		49	ug/kg	EPA 8260B	EPA 5035
t-1,2-Dichloroethene	5.6		0.93	ug/kg	EPA 8260B	EPA 5035
Ethylbenzene	0.20	J	0.14*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.79	J	0.19*	ug/kg	EPA 8260B	EPA 5035
Toluene	1.5		0.93	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.60	J	0.28*	ug/kg	EPA 8260B	EPA 5035
p/m-Xylene	0.33	J	0.25*	ug/kg	EPA 8260B	EPA 5035

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B83-5 (13-07-1333-31)						
Arsenic	12.3		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	83.5		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.578		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.09		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	36.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.53		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	25.7		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.65		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	1.72		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	30.0		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	58.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	54.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0388	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	9.3	J	5.4*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	4.6		0.87	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	29		0.87	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	0.90	J	0.26*	ug/kg	EPA 8260B	EPA 5035
B83-10 (13-07-1333-32)						
Acetone	6.6	J	5.1*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.16	B,J	0.11*	ug/kg	EPA 8260B	EPA 5035
1,2-Dichlorobenzene	8.5		0.81	ug/kg	EPA 8260B	EPA 5035
1,4-Dichlorobenzene	0.52	J	0.18*	ug/kg	EPA 8260B	EPA 5035
c-1,2-Dichloroethene	7.1		0.81	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.84		0.81	ug/kg	EPA 8260B	EPA 5035
Trichloroethene	2.8		1.6	ug/kg	EPA 8260B	EPA 5035
B96-1 (13-07-1333-33)						
Acetone	96		49	ug/kg	EPA 8260B	EPA 5035
Benzene	0.27	B,J	0.13*	ug/kg	EPA 8260B	EPA 5035
2-Butanone	5.9	J	3.7*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	2.1		0.98	ug/kg	EPA 8260B	EPA 5035

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Work Order: 13-07-1333
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Attn: Jonathan Barkman

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B96-2.5 (13-07-1333-34)						
Arsenic	18.0		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	375		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.783		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.67		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	51.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	18.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	45.8		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	5.91		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	12.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	54.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Silver	0.620		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	84.1		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	64.5		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0154	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	12	J	6.4*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.30	J	0.21*	ug/kg	EPA 8260B	EPA 5035
B96-5 (13-07-1333-35)						
Arsenic	6.25		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	129		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.591		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	1.22		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	39.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	8.58		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	30.2		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	4.43		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.426		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	28.8		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	48.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	62.6		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0157	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total
Acetone	27	J	5.0*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.14	J	0.10*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.21	J	0.17*	ug/kg	EPA 8260B	EPA 5035
B96-10 (13-07-1333-36)						
Acetone	7.3	J	4.8*	ug/kg	EPA 8260B	EPA 5035
Benzene	0.12	B,J	0.10*	ug/kg	EPA 8260B	EPA 5035
Tetrachloroethene	0.36	J	0.16*	ug/kg	EPA 8260B	EPA 5035

* MDL is shown

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Alta Environmental	Work Order:	13-07-1333
	3777 Long Beach Blvd., Annex Building	Project Name:	Panama Site / MCGU-13-2252
	Long Beach, CA 90802-3335	Received:	07/19/13
Attn:	Jonathan Barkman		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-2.5	**13-07-1333-2-A**	**07/19/13 07:05**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:24**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.47	0.750	0.259	1	
Barium	60.3	0.500	0.154	1	
Beryllium	0.363	0.250	0.137	1	
Cadmium	0.896	0.500	0.135	1	
Chromium	28.9	0.250	0.142	1	
Cobalt	5.49	0.250	0.148	1	
Copper	18.8	0.500	0.135	1	
Lead	2.65	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	14.2	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.163	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	38.5	0.250	0.141	1	
Zinc	32.7	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-5	**13-07-1333-3-A**	**07/19/13 07:10**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:25**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	7.26	0.750	0.259	1	
Barium	76.4	0.500	0.154	1	
Beryllium	0.438	0.250	0.137	1	
Cadmium	0.733	0.500	0.135	1	
Chromium	33.3	0.250	0.142	1	
Cobalt	7.53	0.250	0.148	1	
Copper	19.7	0.500	0.135	1	
Lead	3.91	0.500	0.132	1	
Molybdenum	1.46	0.250	0.132	1	
Nickel	23.8	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	44.4	0.250	0.141	1	
Zinc	47.1	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B81-2.5	**13-07-1333-6-A**	**07/19/13 07:35**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:26**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	7.34	0.750	0.259	1	
Barium	106	0.500	0.154	1	
Beryllium	0.479	0.250	0.137	1	
Cadmium	1.15	0.500	0.135	1	
Chromium	35.0	0.250	0.142	1	
Cobalt	11.3	0.250	0.148	1	
Copper	26.3	0.500	0.135	1	
Lead	4.58	0.500	0.132	1	
Molybdenum	0.274	0.250	0.132	1	
Nickel	25.9	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	54.0	0.250	0.141	1	
Zinc	47.0	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B81-5	**13-07-1333-7-A**	**07/19/13 07:40**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:28**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	8.88	0.750	0.259	1	
Barium	347	0.500	0.154	1	
Beryllium	0.892	0.250	0.137	1	
Cadmium	1.24	0.500	0.135	1	
Chromium	89.6	0.250	0.142	1	
Cobalt	13.9	0.250	0.148	1	
Copper	46.0	0.500	0.135	1	
Lead	0.745	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	83.2	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	108	0.250	0.141	1	
Zinc	83.6	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B85-2.5	**13-07-1333-10-A**	**07/19/13 08:05**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:31**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.97	0.750	0.259	1	
Barium	113	0.500	0.154	1	
Beryllium	0.488	0.250	0.137	1	
Cadmium	1.43	0.500	0.135	1	
Chromium	38.1	0.250	0.142	1	
Cobalt	8.84	0.250	0.148	1	
Copper	171	0.500	0.135	1	
Lead	23.4	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	22.2	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.0916	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	42.4	0.250	0.141	1	
Zinc	76.6	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B85-5	**13-07-1333-11-A**	**07/19/13 08:10**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:33**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	8.49	0.750	0.259	1	
Barium	115	0.500	0.154	1	
Beryllium	0.521	0.250	0.137	1	
Cadmium	1.23	0.500	0.135	1	
Chromium	31.6	0.250	0.142	1	
Cobalt	8.81	0.250	0.148	1	
Copper	22.8	0.500	0.135	1	
Lead	3.78	0.500	0.132	1	
Molybdenum	1.13	0.250	0.132	1	
Nickel	24.9	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.207	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	50.7	0.250	0.141	1	
Zinc	42.6	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B84-2.5	**13-07-1333-14-A**	**07/19/13 08:25**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:34**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.42	0.750	0.259	1	
Barium	121	0.500	0.154	1	
Beryllium	0.530	0.250	0.137	1	
Cadmium	1.66	0.500	0.135	1	
Chromium	41.2	0.250	0.142	1	
Cobalt	9.83	0.250	0.148	1	
Copper	195	0.500	0.135	1	
Lead	27.6	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	24.7	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.124	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	47.2	0.250	0.141	1	
Zinc	87.8	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B84-5	**13-07-1333-15-A**	**07/19/13 08:30**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:35**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	14.2	0.750	0.259	1	
Barium	158	0.500	0.154	1	
Beryllium	0.543	0.250	0.137	1	
Cadmium	1.51	0.500	0.135	1	
Chromium	32.8	0.250	0.142	1	
Cobalt	8.87	0.250	0.148	1	
Copper	24.5	0.500	0.135	1	
Lead	4.09	0.500	0.132	1	
Molybdenum	2.72	0.250	0.132	1	
Nickel	26.4	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.266	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	56.3	0.250	0.141	1	
Zinc	41.8	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B87-2.5	**13-07-1333-18-A**	**07/19/13 08:55**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:36**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	3.18	0.750	0.259	1	
Barium	107	0.500	0.154	1	
Beryllium	0.396	0.250	0.137	1	
Cadmium	0.698	0.500	0.135	1	
Chromium	23.6	0.250	0.142	1	
Cobalt	9.52	0.250	0.148	1	
Copper	28.8	0.500	0.135	1	
Lead	7.68	0.500	0.132	1	
Molybdenum	0.892	0.250	0.132	1	
Nickel	14.9	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	39.8	0.250	0.141	1	
Zinc	42.4	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B87-5	**13-07-1333-19-A**	**07/19/13 09:00**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:37**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	10.1	0.750	0.259	1	
Barium	185	0.500	0.154	1	
Beryllium	0.745	0.250	0.137	1	
Cadmium	1.38	0.500	0.135	1	
Chromium	46.8	0.250	0.142	1	
Cobalt	10.5	0.250	0.148	1	
Copper	37.1	0.500	0.135	1	
Lead	5.33	0.500	0.132	1	
Molybdenum	2.45	0.250	0.132	1	
Nickel	36.1	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	70.9	0.250	0.141	1	
Zinc	60.1	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B89-2.5	**13-07-1333-22-A**	**07/19/13 09:20**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:38**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.54	0.750	0.259	1	
Barium	116	0.500	0.154	1	
Beryllium	0.505	0.250	0.137	1	
Cadmium	1.49	0.500	0.135	1	
Chromium	38.8	0.250	0.142	1	
Cobalt	9.68	0.250	0.148	1	
Copper	195	0.500	0.135	1	
Lead	25.9	0.500	0.132	1	
Molybdenum	0.156	0.250	0.132	1	J
Nickel	24.5	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	46.3	0.250	0.141	1	
Zinc	84.4	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B89-5	**13-07-1333-23-A**	**07/19/13 09:25**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:39**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	3.87	0.750	0.259	1	
Barium	101	0.500	0.154	1	
Beryllium	0.626	0.250	0.137	1	
Cadmium	0.992	0.500	0.135	1	
Chromium	42.9	0.250	0.142	1	
Cobalt	9.86	0.250	0.148	1	
Copper	30.3	0.500	0.135	1	
Lead	4.68	0.500	0.132	1	
Molybdenum	2.05	0.250	0.132	1	
Nickel	30.0	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.147	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	51.1	0.250	0.141	1	
Zinc	59.6	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-5	**13-07-1333-27-A**	**07/19/13 09:45**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:40**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.77	0.750	0.259	1	
Barium	129	0.500	0.154	1	
Beryllium	0.632	0.250	0.137	1	
Cadmium	0.652	0.500	0.135	1	
Chromium	34.9	0.250	0.142	1	
Cobalt	9.73	0.250	0.148	1	
Copper	28.8	0.500	0.135	1	
Lead	4.90	0.500	0.132	1	
Molybdenum	1.40	0.250	0.132	1	
Nickel	29.3	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	43.5	0.250	0.141	1	
Zinc	54.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-10	**13-07-1333-28-A**	**07/19/13 09:50**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:42**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	4.22	0.750	0.259	1	
Barium	67.7	0.500	0.154	1	
Beryllium	0.402	0.250	0.137	1	
Cadmium	0.601	0.500	0.135	1	
Chromium	32.3	0.250	0.142	1	
Cobalt	6.65	0.250	0.148	1	
Copper	19.0	0.500	0.135	1	
Lead	2.93	0.500	0.132	1	
Molybdenum	1.12	0.250	0.132	1	
Nickel	24.9	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	41.4	0.250	0.141	1	
Zinc	42.3	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-2.5	**13-07-1333-30-A**	**07/19/13 11:15**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:45**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	13.8	0.750	0.259	1	
Barium	119	0.500	0.154	1	
Beryllium	0.470	0.250	0.137	1	
Cadmium	1.47	0.500	0.135	1	
Chromium	33.4	0.250	0.142	1	
Cobalt	10.9	0.250	0.148	1	
Copper	31.4	0.500	0.135	1	
Lead	3.94	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	24.0	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.166	0.250	0.0857	1	J
Thallium	ND	0.750	0.152	1	
Vanadium	56.5	0.250	0.141	1	
Zinc	44.9	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-5	**13-07-1333-31-A**	**07/19/13 11:20**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:47**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	12.3	0.750	0.259	1	
Barium	83.5	0.500	0.154	1	
Beryllium	0.578	0.250	0.137	1	
Cadmium	1.09	0.500	0.135	1	
Chromium	36.8	0.250	0.142	1	
Cobalt	9.53	0.250	0.148	1	
Copper	25.7	0.500	0.135	1	
Lead	4.65	0.500	0.132	1	
Molybdenum	1.72	0.250	0.132	1	
Nickel	30.0	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	58.9	0.250	0.141	1	
Zinc	54.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-2.5	**13-07-1333-34-A**	**07/19/13 12:05**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:48**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	18.0	0.750	0.259	1	
Barium	375	0.500	0.154	1	
Beryllium	0.783	0.250	0.137	1	
Cadmium	1.67	0.500	0.135	1	
Chromium	51.3	0.250	0.142	1	
Cobalt	18.4	0.250	0.148	1	
Copper	45.8	0.500	0.135	1	
Lead	5.91	0.500	0.132	1	
Molybdenum	12.9	0.250	0.132	1	
Nickel	54.6	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	0.620	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	84.1	0.250	0.141	1	
Zinc	64.5	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-5	**13-07-1333-35-A**	**07/19/13 12:10**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:49**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	6.25	0.750	0.259	1	
Barium	129	0.500	0.154	1	
Beryllium	0.591	0.250	0.137	1	
Cadmium	1.22	0.500	0.135	1	
Chromium	39.8	0.250	0.142	1	
Cobalt	8.58	0.250	0.148	1	
Copper	30.2	0.500	0.135	1	
Lead	4.43	0.500	0.132	1	
Molybdenum	0.426	0.250	0.132	1	
Nickel	28.8	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	48.3	0.250	0.141	1	
Zinc	62.6	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-17084**	**N/A**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:02**	**130720L10**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	0.249	0.750	0.149	1	J
Arsenic	ND	0.750	0.259	1	
Barium	ND	0.500	0.154	1	
Beryllium	ND	0.250	0.137	1	
Cadmium	ND	0.500	0.135	1	
Chromium	ND	0.250	0.142	1	
Cobalt	ND	0.250	0.148	1	
Copper	ND	0.500	0.135	1	
Lead	ND	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	ND	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	ND	0.250	0.141	1	
Zinc	ND	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-2.5	**13-07-1333-2-A**	**07/19/13 07:05**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:24**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-5	**13-07-1333-3-A**	**07/19/13 07:10**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:27**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0102	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B81-2.5	**13-07-1333-6-A**	**07/19/13 07:35**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:29**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0138	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B81-5	**13-07-1333-7-A**	**07/19/13 07:40**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:31**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B85-2.5	**13-07-1333-10-A**	**07/19/13 08:05**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:33**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0870	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B85-5	**13-07-1333-11-A**	**07/19/13 08:10**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:40**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.00933	0.0835	0.00588	1	J

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B84-2.5	**13-07-1333-14-A**	**07/19/13 08:25**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:42**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0704	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B84-5	**13-07-1333-15-A**	**07/19/13 08:30**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:44**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0173	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B87-2.5	**13-07-1333-18-A**	**07/19/13 08:55**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:46**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0349	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B87-5	**13-07-1333-19-A**	**07/19/13 09:00**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:49**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0229	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B89-2.5	**13-07-1333-22-A**	**07/19/13 09:20**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:51**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0746	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B89-5	**13-07-1333-23-A**	**07/19/13 09:25**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:53**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0145	0.0835	0.00588	1	J

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-5	**13-07-1333-27-A**	**07/19/13 09:45**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:55**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0236	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-10	**13-07-1333-28-A**	**07/19/13 09:50**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:58**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0236	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-2.5	**13-07-1333-30-A**	**07/19/13 11:15**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:00**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0213	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-5	**13-07-1333-31-A**	**07/19/13 11:20**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:07**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0388	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-2.5	**13-07-1333-34-A**	**07/19/13 12:05**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:09**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0154	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-5	**13-07-1333-35-A**	**07/19/13 12:10**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:11**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0157	0.0835	0.00588	1	J

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/19/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1333
Long Beach, CA 90802-3335		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
		Units:	mg/kg
Project: Panama Site / MCGU-13-2252			Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-007-9463**	**N/A**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 18:20**	**130722L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-1	**13-07-1333-1-A**	**07/19/13 07:00**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 09:29**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-2.5	**13-07-1333-2-A**	**07/19/13 07:05**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/25/13 01:04**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	61	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-5	**13-07-1333-3-A**	**07/19/13 07:10**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 03:47**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	55	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-10	**13-07-1333-4-A**	**07/19/13 07:15**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 04:05**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	93	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B81-1	**13-07-1333-5-A**	**07/19/13 07:30**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 15:53**	**130730L17**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	75	28-139	

B81-2.5	**13-07-1333-6-A**	**07/19/13 07:35**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 04:24**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	109	28-139	

B81-5	**13-07-1333-7-A**	**07/19/13 07:40**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 13:22**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	61	28-139	

B81-10	**13-07-1333-8-A**	**07/19/13 07:45**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 04:42**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	113	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B85-1	**13-07-1333-9-A**	**07/19/13 08:00**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 11:52**	**130730L17**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	27	28-139	1,2,6

B85-2.5	**13-07-1333-10-A**	**07/19/13 08:05**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 16:31**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	59	28-139	

B85-5	**13-07-1333-11-A**	**07/19/13 08:10**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 05:01**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	92	28-139	

B85-10	**13-07-1333-12-A**	**07/19/13 08:15**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 14:18**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	63	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B84-1	**13-07-1333-13-A**	**07/19/13 08:20**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 10:07**	**130730L17**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	38	28-139	

B84-2.5	**13-07-1333-14-A**	**07/19/13 08:25**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 15:34**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	57	28-139	

B84-5	**13-07-1333-15-A**	**07/19/13 08:30**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 14:38**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	59	28-139	

B84-10	**13-07-1333-16-A**	**07/19/13 08:35**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 15:14**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	59	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B87-1	**13-07-1333-17-A**	**07/19/13 08:50**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 10:36**	**130730L17**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	27	28-139	1,2,6

B87-2.5	13-07-1333-18-A	07/19/13 08:55	Soil	GC/MS DDD	07/30/13	08/05/13 10:55	130730L17

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	34	28-139	

B87-5	13-07-1333-19-A	07/19/13 09:00	Soil	GC/MS DDD	07/30/13	08/03/13 05:20	130730L17

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	69	28-139	

B87-10	13-07-1333-20-A	07/19/13 09:05	Soil	GC/MS DDD	07/30/13	08/03/13 05:39	130730L17

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	91	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B89-1	**13-07-1333-21-A**	**07/19/13 09:15**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 16:49**	**130730L17**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	29	28-139	

B89-2.5	**13-07-1333-22-A**	**07/19/13 09:20**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 11:13**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	81	28-139	

B89-5	**13-07-1333-23-A**	**07/19/13 09:25**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 05:58**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	67	28-139	

B89-10	**13-07-1333-24-A**	**07/19/13 09:30**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 06:17**	**130730L16**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	86	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-1	**13-07-1333-25-A**	**07/19/13 09:35**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 06:35**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	62	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-2.5	**13-07-1333-26-A**	**07/19/13 09:40**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 17:09**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	66	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-5	**13-07-1333-27-A**	**07/19/13 09:45**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 06:54**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	88	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-10	**13-07-1333-28-A**	**07/19/13 09:50**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 07:13**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	75	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-1	**13-07-1333-29-A**	**07/19/13 11:10**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 09:10**	**130730L16**

Comment(s): - The reporting limit is elevated resulting from matrix interference.
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.040	0.0055	1.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	33	28-139	

B83-2.5	**13-07-1333-30-A**	**07/19/13 11:15**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 14:56**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	62	28-139	

B83-5	**13-07-1333-31-A**	**07/19/13 11:20**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 14:00**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	45	28-139	

B83-10	**13-07-1333-32-A**	**07/19/13 11:25**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 07:31**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	82	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-1	**13-07-1333-33-A**	**07/19/13 12:00**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 11:33**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-2.5	**13-07-1333-34-A**	**07/19/13 12:05**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 07:50**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	81	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-5	**13-07-1333-35-A**	**07/19/13 12:10**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/03/13 08:08**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	80	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-10	**13-07-1333-36-A**	**07/19/13 12:15**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 13:41**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	40	28-139	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-111**	**N/A**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 12:06**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	58	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-116**	**N/A**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 13:07**	**130730L16**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-113**	**N/A**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/05/13 16:16**	**130730L17**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	64	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-1	**13-07-1333-1-C**	**07/19/13 07:00**	**Soil**	**GC/MS PP**	**07/19/13**	**07/20/13 13:27**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.9	45	5.7	0.906	J
Benzene	0.32	0.91	0.12	0.906	J
Bromobenzene	ND	0.91	0.19	0.906	
Bromochloromethane	ND	1.8	0.63	0.906	
Bromodichloromethane	ND	0.91	0.21	0.906	
Bromoform	ND	4.5	0.72	0.906	
Bromomethane	ND	18	8.5	0.906	
2-Butanone	ND	18	3.4	0.906	
n-Butylbenzene	ND	0.91	0.14	0.906	
sec-Butylbenzene	ND	0.91	0.52	0.906	
tert-Butylbenzene	ND	0.91	0.14	0.906	
Carbon Disulfide	ND	9.1	0.28	0.906	
Carbon Tetrachloride	ND	0.91	0.26	0.906	
Chlorobenzene	ND	0.91	0.20	0.906	
Chloroethane	ND	1.8	1.4	0.906	
Chloroform	ND	0.91	0.22	0.906	
Chloromethane	ND	18	0.28	0.906	
2-Chlorotoluene	ND	0.91	0.21	0.906	
4-Chlorotoluene	ND	0.91	0.19	0.906	
Dibromochloromethane	ND	1.8	0.52	0.906	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.906	
1,2-Dibromoethane	ND	0.91	0.23	0.906	
Dibromomethane	ND	0.91	0.70	0.906	
1,2-Dichlorobenzene	ND	0.91	0.21	0.906	
1,3-Dichlorobenzene	ND	0.91	0.16	0.906	
1,4-Dichlorobenzene	ND	0.91	0.20	0.906	
Dichlorodifluoromethane	ND	1.8	0.40	0.906	
1,1-Dichloroethane	ND	0.91	0.19	0.906	
1,2-Dichloroethane	ND	0.91	0.28	0.906	
1,1-Dichloroethene	ND	0.91	0.31	0.906	
c-1,2-Dichloroethene	ND	0.91	0.25	0.906	
t-1,2-Dichloroethene	ND	0.91	0.46	0.906	
1,2-Dichloropropane	ND	0.91	0.40	0.906	
1,3-Dichloropropane	ND	0.91	0.23	0.906	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	0.906	
1,1-Dichloropropene	ND	1.8	0.30	0.906	
c-1,3-Dichloropropene	ND	0.91	0.23	0.906	
t-1,3-Dichloropropene	ND	1.8	0.55	0.906	
Ethylbenzene	ND	0.91	0.14	0.906	
2-Hexanone	ND	18	1.6	0.906	
Isopropylbenzene	ND	0.91	0.49	0.906	
p-Isopropyltoluene	ND	0.91	0.57	0.906	
Methylene Chloride	ND	9.1	1.2	0.906	
4-Methyl-2-Pentanone	ND	18	3.9	0.906	
Naphthalene	ND	9.1	0.74	0.906	
n-Propylbenzene	ND	1.8	0.45	0.906	
Styrene	ND	0.91	0.55	0.906	
1,1,1,2-Tetrachloroethane	ND	0.91	0.22	0.906	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.906	
Tetrachloroethene	9.9	0.91	0.19	0.906	
Toluene	ND	0.91	0.47	0.906	
1,2,3-Trichlorobenzene	ND	1.8	0.83	0.906	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.906	
1,1,1-Trichloroethane	ND	0.91	0.20	0.906	
1,1,2-Trichloroethane	ND	0.91	0.32	0.906	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.32	0.906	
Trichloroethene	0.43	1.8	0.27	0.906	J
Trichlorofluoromethane	ND	9.1	0.34	0.906	
1,2,3-Trichloropropane	ND	1.8	0.75	0.906	
1,2,4-Trimethylbenzene	ND	1.8	0.53	0.906	
1,3,5-Trimethylbenzene	ND	1.8	0.50	0.906	
Vinyl Acetate	ND	9.1	4.3	0.906	
Vinyl Chloride	ND	0.91	0.46	0.906	
p/m-Xylene	ND	1.8	0.24	0.906	
o-Xylene	ND	0.91	0.50	0.906	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.906	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	117	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-2.5	**13-07-1333-2-C**	**07/19/13 07:05**	**Soil**	**GC/MS PP**	**07/19/13**	**07/20/13 13:54**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.2	46	5.7	0.921	J
Benzene	3.8	0.92	0.12	0.921	
Bromobenzene	ND	0.92	0.19	0.921	
Bromochloromethane	ND	1.8	0.64	0.921	
Bromodichloromethane	ND	0.92	0.21	0.921	
Bromoform	ND	4.6	0.73	0.921	
Bromomethane	ND	18	8.7	0.921	
2-Butanone	ND	18	3.5	0.921	
n-Butylbenzene	ND	0.92	0.14	0.921	
sec-Butylbenzene	ND	0.92	0.53	0.921	
tert-Butylbenzene	ND	0.92	0.14	0.921	
Carbon Disulfide	0.30	9.2	0.28	0.921	J
Carbon Tetrachloride	ND	0.92	0.26	0.921	
Chlorobenzene	ND	0.92	0.21	0.921	
Chloroethane	ND	1.8	1.4	0.921	
Chloroform	ND	0.92	0.22	0.921	
Chloromethane	ND	18	0.28	0.921	
2-Chlorotoluene	ND	0.92	0.21	0.921	
4-Chlorotoluene	ND	0.92	0.20	0.921	
Dibromochloromethane	ND	1.8	0.53	0.921	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	0.921	
1,2-Dibromoethane	ND	0.92	0.24	0.921	
Dibromomethane	ND	0.92	0.71	0.921	
1,2-Dichlorobenzene	ND	0.92	0.21	0.921	
1,3-Dichlorobenzene	ND	0.92	0.16	0.921	
1,4-Dichlorobenzene	ND	0.92	0.20	0.921	
Dichlorodifluoromethane	ND	1.8	0.41	0.921	
1,1-Dichloroethane	ND	0.92	0.19	0.921	
1,2-Dichloroethane	ND	0.92	0.29	0.921	
1,1-Dichloroethene	ND	0.92	0.32	0.921	
c-1,2-Dichloroethene	1.7	0.92	0.26	0.921	
t-1,2-Dichloroethene	ND	0.92	0.47	0.921	
1,2-Dichloropropane	ND	0.92	0.40	0.921	
1,3-Dichloropropane	ND	0.92	0.23	0.921	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.6	0.30	0.921	
1,1-Dichloropropene	ND	1.8	0.30	0.921	
c-1,3-Dichloropropene	ND	0.92	0.23	0.921	
t-1,3-Dichloropropene	ND	1.8	0.56	0.921	
Ethylbenzene	0.41	0.92	0.14	0.921	J
2-Hexanone	ND	18	1.6	0.921	
Isopropylbenzene	ND	0.92	0.50	0.921	
p-Isopropyltoluene	ND	0.92	0.58	0.921	
Methylene Chloride	ND	9.2	1.2	0.921	
4-Methyl-2-Pentanone	ND	18	4.0	0.921	
Naphthalene	ND	9.2	0.75	0.921	
n-Propylbenzene	ND	1.8	0.46	0.921	
Styrene	ND	0.92	0.56	0.921	
1,1,1,2-Tetrachloroethane	ND	0.92	0.22	0.921	
1,1,2,2-Tetrachloroethane	ND	1.8	0.32	0.921	
Tetrachloroethene	58	0.92	0.19	0.921	
Toluene	2.9	0.92	0.47	0.921	
1,2,3-Trichlorobenzene	ND	1.8	0.84	0.921	
1,2,4-Trichlorobenzene	ND	1.8	0.29	0.921	
1,1,1-Trichloroethane	ND	0.92	0.21	0.921	
1,1,2-Trichloroethane	ND	0.92	0.33	0.921	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.2	0.32	0.921	
Trichloroethene	6.6	1.8	0.28	0.921	
Trichlorofluoromethane	ND	9.2	0.35	0.921	
1,2,3-Trichloropropane	ND	1.8	0.76	0.921	
1,2,4-Trimethylbenzene	ND	1.8	0.54	0.921	
1,3,5-Trimethylbenzene	ND	1.8	0.51	0.921	
Vinyl Acetate	ND	9.2	4.4	0.921	
Vinyl Chloride	ND	0.92	0.46	0.921	
p/m-Xylene	0.61	1.8	0.25	0.921	J
o-Xylene	ND	0.92	0.51	0.921	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.921	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	122	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-5	**13-07-1333-3-C**	**07/19/13 07:10**	**Soil**	**GC/MS PP**	**07/19/13**	**07/20/13 14:20**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	15	51	6.4	1.02	J
Benzene	0.16	1.0	0.13	1.02	J
Bromobenzene	ND	1.0	0.21	1.02	
Bromochloromethane	ND	2.0	0.70	1.02	
Bromodichloromethane	ND	1.0	0.24	1.02	
Bromoform	ND	5.1	0.81	1.02	
Bromomethane	ND	20	9.6	1.02	
2-Butanone	ND	20	3.8	1.02	
n-Butylbenzene	ND	1.0	0.16	1.02	
sec-Butylbenzene	ND	1.0	0.59	1.02	
tert-Butylbenzene	ND	1.0	0.15	1.02	
Carbon Disulfide	ND	10	0.31	1.02	
Carbon Tetrachloride	ND	1.0	0.29	1.02	
Chlorobenzene	ND	1.0	0.23	1.02	
Chloroethane	ND	2.0	1.5	1.02	
Chloroform	ND	1.0	0.24	1.02	
Chloromethane	ND	20	0.31	1.02	
2-Chlorotoluene	ND	1.0	0.24	1.02	
4-Chlorotoluene	ND	1.0	0.22	1.02	
Dibromochloromethane	ND	2.0	0.58	1.02	
1,2-Dibromo-3-Chloropropane	ND	5.1	1.8	1.02	
1,2-Dibromoethane	ND	1.0	0.26	1.02	
Dibromomethane	ND	1.0	0.79	1.02	
1,2-Dichlorobenzene	ND	1.0	0.23	1.02	
1,3-Dichlorobenzene	ND	1.0	0.18	1.02	
1,4-Dichlorobenzene	ND	1.0	0.23	1.02	
Dichlorodifluoromethane	ND	2.0	0.45	1.02	
1,1-Dichloroethane	ND	1.0	0.22	1.02	
1,2-Dichloroethane	ND	1.0	0.32	1.02	
1,1-Dichloroethene	ND	1.0	0.35	1.02	
c-1,2-Dichloroethene	1.6	1.0	0.29	1.02	
t-1,2-Dichloroethene	ND	1.0	0.52	1.02	
1,2-Dichloropropane	ND	1.0	0.45	1.02	
1,3-Dichloropropane	ND	1.0	0.26	1.02	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.1	0.34	1.02	
1,1-Dichloropropene	ND	2.0	0.33	1.02	
c-1,3-Dichloropropene	ND	1.0	0.26	1.02	
t-1,3-Dichloropropene	ND	2.0	0.62	1.02	
Ethylbenzene	ND	1.0	0.15	1.02	
2-Hexanone	ND	20	1.8	1.02	
Isopropylbenzene	ND	1.0	0.56	1.02	
p-Isopropyltoluene	ND	1.0	0.64	1.02	
Methylene Chloride	ND	10	1.4	1.02	
4-Methyl-2-Pentanone	ND	20	4.4	1.02	
Naphthalene	ND	10	0.83	1.02	
n-Propylbenzene	ND	2.0	0.51	1.02	
Styrene	ND	1.0	0.62	1.02	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1.02	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1.02	
Tetrachloroethene	12	1.0	0.21	1.02	
Toluene	ND	1.0	0.53	1.02	
1,2,3-Trichlorobenzene	ND	2.0	0.93	1.02	
1,2,4-Trichlorobenzene	ND	2.0	0.32	1.02	
1,1,1-Trichloroethane	ND	1.0	0.23	1.02	
1,1,2-Trichloroethane	ND	1.0	0.36	1.02	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.36	1.02	
Trichloroethene	2.1	2.0	0.31	1.02	
Trichlorofluoromethane	ND	10	0.38	1.02	
1,2,3-Trichloropropane	ND	2.0	0.85	1.02	
1,2,4-Trimethylbenzene	ND	2.0	0.60	1.02	
1,3,5-Trimethylbenzene	ND	2.0	0.56	1.02	
Vinyl Acetate	ND	10	4.8	1.02	
Vinyl Chloride	ND	1.0	0.51	1.02	
p/m-Xylene	ND	2.0	0.27	1.02	
o-Xylene	ND	1.0	0.57	1.02	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1.02	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	112	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B97-10	**13-07-1333-4-C**	**07/19/13 07:15**	**Soil**	**GC/MS PP**	**07/19/13**	**07/20/13 14:46**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	5.2	39	4.9	0.78	J
Benzene	0.14	0.78	0.10	0.78	J
Bromobenzene	ND	0.78	0.16	0.78	
Bromochloromethane	ND	1.6	0.54	0.78	
Bromodichloromethane	ND	0.78	0.18	0.78	
Bromoform	ND	3.9	0.62	0.78	
Bromomethane	ND	16	7.4	0.78	
2-Butanone	ND	16	2.9	0.78	
n-Butylbenzene	ND	0.78	0.12	0.78	
sec-Butylbenzene	ND	0.78	0.45	0.78	
tert-Butylbenzene	ND	0.78	0.12	0.78	
Carbon Disulfide	ND	7.8	0.24	0.78	
Carbon Tetrachloride	ND	0.78	0.22	0.78	
Chlorobenzene	ND	0.78	0.17	0.78	
Chloroethane	ND	1.6	1.2	0.78	
Chloroform	ND	0.78	0.19	0.78	
Chloromethane	ND	16	0.24	0.78	
2-Chlorotoluene	ND	0.78	0.18	0.78	
4-Chlorotoluene	ND	0.78	0.17	0.78	
Dibromochloromethane	ND	1.6	0.44	0.78	
1,2-Dibromo-3-Chloropropane	ND	3.9	1.4	0.78	
1,2-Dibromoethane	ND	0.78	0.20	0.78	
Dibromomethane	ND	0.78	0.60	0.78	
1,2-Dichlorobenzene	ND	0.78	0.18	0.78	
1,3-Dichlorobenzene	ND	0.78	0.14	0.78	
1,4-Dichlorobenzene	ND	0.78	0.17	0.78	
Dichlorodifluoromethane	ND	1.6	0.35	0.78	
1,1-Dichloroethane	ND	0.78	0.16	0.78	
1,2-Dichloroethane	ND	0.78	0.24	0.78	
1,1-Dichloroethene	ND	0.78	0.27	0.78	
c-1,2-Dichloroethene	1.4	0.78	0.22	0.78	
t-1,2-Dichloroethene	ND	0.78	0.39	0.78	
1,2-Dichloropropane	ND	0.78	0.34	0.78	
1,3-Dichloropropane	ND	0.78	0.20	0.78	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	3.9	0.26	0.78	
1,1-Dichloropropene	ND	1.6	0.26	0.78	
c-1,3-Dichloropropene	ND	0.78	0.20	0.78	
t-1,3-Dichloropropene	ND	1.6	0.47	0.78	
Ethylbenzene	ND	0.78	0.12	0.78	
2-Hexanone	ND	16	1.4	0.78	
Isopropylbenzene	ND	0.78	0.43	0.78	
p-Isopropyltoluene	ND	0.78	0.49	0.78	
Methylene Chloride	ND	7.8	1.0	0.78	
4-Methyl-2-Pentanone	ND	16	3.4	0.78	
Naphthalene	ND	7.8	0.63	0.78	
n-Propylbenzene	ND	1.6	0.39	0.78	
Styrene	ND	0.78	0.47	0.78	
1,1,1,2-Tetrachloroethane	ND	0.78	0.19	0.78	
1,1,2,2-Tetrachloroethane	ND	1.6	0.27	0.78	
Tetrachloroethene	8.0	0.78	0.16	0.78	
Toluene	ND	0.78	0.40	0.78	
1,2,3-Trichlorobenzene	ND	1.6	0.71	0.78	
1,2,4-Trichlorobenzene	ND	1.6	0.24	0.78	
1,1,1-Trichloroethane	ND	0.78	0.18	0.78	
1,1,2-Trichloroethane	ND	0.78	0.28	0.78	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.8	0.27	0.78	
Trichloroethene	2.1	1.6	0.23	0.78	
Trichlorofluoromethane	ND	7.8	0.29	0.78	
1,2,3-Trichloropropane	ND	1.6	0.65	0.78	
1,2,4-Trimethylbenzene	ND	1.6	0.46	0.78	
1,3,5-Trimethylbenzene	ND	1.6	0.43	0.78	
Vinyl Acetate	ND	7.8	3.7	0.78	
Vinyl Chloride	ND	0.78	0.39	0.78	
p/m-Xylene	ND	1.6	0.21	0.78	
o-Xylene	ND	0.78	0.43	0.78	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.23	0.78	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	112	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B81-1	**13-07-1333-5-C**	**07/19/13 07:30**	**Soil**	**GC/MS V V**	**07/19/13**	**07/29/13 21:03**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	54	47	5.9	0.943	
Benzene	0.48	0.94	0.12	0.943	J
Bromobenzene	ND	0.94	0.20	0.943	
Bromochloromethane	ND	1.9	0.65	0.943	
Bromodichloromethane	ND	0.94	0.22	0.943	
Bromoform	ND	4.7	0.75	0.943	
Bromomethane	ND	19	8.9	0.943	
2-Butanone	8.3	19	3.6	0.943	J
n-Butylbenzene	ND	0.94	0.15	0.943	
sec-Butylbenzene	ND	0.94	0.54	0.943	
tert-Butylbenzene	ND	0.94	0.14	0.943	
Carbon Disulfide	3.2	9.4	0.29	0.943	B,J
Carbon Tetrachloride	ND	0.94	0.27	0.943	
Chlorobenzene	ND	0.94	0.21	0.943	
Chloroethane	ND	1.9	1.4	0.943	
Chloroform	ND	0.94	0.23	0.943	
Chloromethane	ND	19	0.29	0.943	
2-Chlorotoluene	ND	0.94	0.22	0.943	
4-Chlorotoluene	ND	0.94	0.20	0.943	
Dibromochloromethane	ND	1.9	0.54	0.943	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.943	
1,2-Dibromoethane	ND	0.94	0.24	0.943	
Dibromomethane	ND	0.94	0.73	0.943	
1,2-Dichlorobenzene	ND	0.94	0.22	0.943	
1,3-Dichlorobenzene	ND	0.94	0.17	0.943	
1,4-Dichlorobenzene	ND	0.94	0.21	0.943	
Dichlorodifluoromethane	ND	1.9	0.42	0.943	
1,1-Dichloroethane	ND	0.94	0.20	0.943	
1,2-Dichloroethane	ND	0.94	0.30	0.943	
1,1-Dichloroethene	ND	0.94	0.33	0.943	
c-1,2-Dichloroethene	ND	0.94	0.26	0.943	
t-1,2-Dichloroethene	ND	0.94	0.48	0.943	
1,2-Dichloropropane	ND	0.94	0.41	0.943	
1,3-Dichloropropane	ND	0.94	0.24	0.943	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.943	
1,1-Dichloropropene	ND	1.9	0.31	0.943	
c-1,3-Dichloropropene	ND	0.94	0.24	0.943	
t-1,3-Dichloropropene	ND	1.9	0.57	0.943	
Ethylbenzene	ND	0.94	0.14	0.943	
2-Hexanone	ND	19	1.7	0.943	
Isopropylbenzene	ND	0.94	0.52	0.943	
p-Isopropyltoluene	ND	0.94	0.59	0.943	
Methylene Chloride	ND	9.4	1.3	0.943	
4-Methyl-2-Pentanone	ND	19	4.1	0.943	
Naphthalene	ND	9.4	0.77	0.943	
n-Propylbenzene	ND	1.9	0.47	0.943	
Styrene	ND	0.94	0.57	0.943	
1,1,1,2-Tetrachloroethane	ND	0.94	0.23	0.943	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	0.943	
Tetrachloroethene	28	0.94	0.20	0.943	
Toluene	0.81	0.94	0.49	0.943	J
1,2,3-Trichlorobenzene	ND	1.9	0.86	0.943	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.943	
1,1,1-Trichloroethane	ND	0.94	0.21	0.943	
1,1,2-Trichloroethane	ND	0.94	0.33	0.943	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.79	9.4	0.33	0.943	J
Trichloroethene	34	1.9	0.28	0.943	
Trichlorofluoromethane	ND	9.4	0.35	0.943	
1,2,3-Trichloropropane	ND	1.9	0.78	0.943	
1,2,4-Trimethylbenzene	ND	1.9	0.55	0.943	
1,3,5-Trimethylbenzene	ND	1.9	0.52	0.943	
Vinyl Acetate	ND	9.4	4.5	0.943	
Vinyl Chloride	ND	0.94	0.47	0.943	
p/m-Xylene	0.44	1.9	0.25	0.943	J
o-Xylene	ND	0.94	0.52	0.943	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.943	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	114	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B81-2.5	**13-07-1333-6-C**	**07/19/13 07:35**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 12:40**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	15	42	5.2	0.839	J
Benzene	ND	0.84	0.11	0.839	
Bromobenzene	ND	0.84	0.18	0.839	
Bromochloromethane	ND	1.7	0.58	0.839	
Bromodichloromethane	ND	0.84	0.20	0.839	
Bromoform	ND	4.2	0.67	0.839	
Bromomethane	ND	17	7.9	0.839	
2-Butanone	ND	17	3.2	0.839	
n-Butylbenzene	ND	0.84	0.13	0.839	
sec-Butylbenzene	ND	0.84	0.48	0.839	
tert-Butylbenzene	ND	0.84	0.13	0.839	
Carbon Disulfide	ND	8.4	0.26	0.839	
Carbon Tetrachloride	ND	0.84	0.24	0.839	
Chlorobenzene	ND	0.84	0.19	0.839	
Chloroethane	ND	1.7	1.3	0.839	
Chloroform	ND	0.84	0.20	0.839	
Chloromethane	ND	17	0.26	0.839	
2-Chlorotoluene	ND	0.84	0.19	0.839	
4-Chlorotoluene	ND	0.84	0.18	0.839	
Dibromochloromethane	ND	1.7	0.48	0.839	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.839	
1,2-Dibromoethane	ND	0.84	0.21	0.839	
Dibromomethane	ND	0.84	0.65	0.839	
1,2-Dichlorobenzene	ND	0.84	0.19	0.839	
1,3-Dichlorobenzene	ND	0.84	0.15	0.839	
1,4-Dichlorobenzene	ND	0.84	0.19	0.839	
Dichlorodifluoromethane	ND	1.7	0.37	0.839	
1,1-Dichloroethane	ND	0.84	0.18	0.839	
1,2-Dichloroethane	ND	0.84	0.26	0.839	
1,1-Dichloroethene	ND	0.84	0.29	0.839	
c-1,2-Dichloroethene	2.2	0.84	0.23	0.839	
t-1,2-Dichloroethene	ND	0.84	0.42	0.839	
1,2-Dichloropropane	ND	0.84	0.37	0.839	
1,3-Dichloropropane	ND	0.84	0.21	0.839	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.839	
1,1-Dichloropropene	ND	1.7	0.28	0.839	
c-1,3-Dichloropropene	ND	0.84	0.21	0.839	
t-1,3-Dichloropropene	ND	1.7	0.51	0.839	
Ethylbenzene	ND	0.84	0.13	0.839	
2-Hexanone	ND	17	1.5	0.839	
Isopropylbenzene	ND	0.84	0.46	0.839	
p-Isopropyltoluene	ND	0.84	0.53	0.839	
Methylene Chloride	ND	8.4	1.1	0.839	
4-Methyl-2-Pentanone	ND	17	3.6	0.839	
Naphthalene	ND	8.4	0.68	0.839	
n-Propylbenzene	ND	1.7	0.42	0.839	
Styrene	ND	0.84	0.51	0.839	
1,1,1,2-Tetrachloroethane	ND	0.84	0.20	0.839	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.839	
Tetrachloroethene	2.1	0.84	0.18	0.839	
Toluene	ND	0.84	0.43	0.839	
1,2,3-Trichlorobenzene	ND	1.7	0.77	0.839	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.839	
1,1,1-Trichloroethane	ND	0.84	0.19	0.839	
1,1,2-Trichloroethane	ND	0.84	0.30	0.839	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.30	0.839	
Trichloroethene	6.7	1.7	0.25	0.839	
Trichlorofluoromethane	ND	8.4	0.31	0.839	
1,2,3-Trichloropropane	ND	1.7	0.70	0.839	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.839	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.839	
Vinyl Acetate	ND	8.4	4.0	0.839	
Vinyl Chloride	ND	0.84	0.42	0.839	
p/m-Xylene	ND	1.7	0.22	0.839	
o-Xylene	ND	0.84	0.47	0.839	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.839	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B81-5	**13-07-1333-7-C**	**07/19/13 07:40**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 13:07**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	11	43	5.3	0.853	J
Benzene	ND	0.85	0.11	0.853	
Bromobenzene	ND	0.85	0.18	0.853	
Bromochloromethane	ND	1.7	0.59	0.853	
Bromodichloromethane	ND	0.85	0.20	0.853	
Bromoform	ND	4.3	0.68	0.853	
Bromomethane	ND	17	8.0	0.853	
2-Butanone	ND	17	3.2	0.853	
n-Butylbenzene	ND	0.85	0.13	0.853	
sec-Butylbenzene	ND	0.85	0.49	0.853	
tert-Butylbenzene	ND	0.85	0.13	0.853	
Carbon Disulfide	ND	8.5	0.26	0.853	
Carbon Tetrachloride	ND	0.85	0.24	0.853	
Chlorobenzene	ND	0.85	0.19	0.853	
Chloroethane	ND	1.7	1.3	0.853	
Chloroform	ND	0.85	0.20	0.853	
Chloromethane	ND	17	0.26	0.853	
2-Chlorotoluene	ND	0.85	0.20	0.853	
4-Chlorotoluene	ND	0.85	0.18	0.853	
Dibromochloromethane	ND	1.7	0.49	0.853	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.853	
1,2-Dibromoethane	ND	0.85	0.22	0.853	
Dibromomethane	ND	0.85	0.66	0.853	
1,2-Dichlorobenzene	ND	0.85	0.19	0.853	
1,3-Dichlorobenzene	ND	0.85	0.15	0.853	
1,4-Dichlorobenzene	ND	0.85	0.19	0.853	
Dichlorodifluoromethane	ND	1.7	0.38	0.853	
1,1-Dichloroethane	ND	0.85	0.18	0.853	
1,2-Dichloroethane	ND	0.85	0.27	0.853	
1,1-Dichloroethene	ND	0.85	0.30	0.853	
c-1,2-Dichloroethene	4.3	0.85	0.24	0.853	
t-1,2-Dichloroethene	ND	0.85	0.43	0.853	
1,2-Dichloropropane	ND	0.85	0.37	0.853	
1,3-Dichloropropane	ND	0.85	0.22	0.853	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.3	0.28	0.853	
1,1-Dichloropropene	ND	1.7	0.28	0.853	
c-1,3-Dichloropropene	ND	0.85	0.22	0.853	
t-1,3-Dichloropropene	ND	1.7	0.52	0.853	
Ethylbenzene	ND	0.85	0.13	0.853	
2-Hexanone	ND	17	1.5	0.853	
Isopropylbenzene	ND	0.85	0.47	0.853	
p-Isopropyltoluene	ND	0.85	0.54	0.853	
Methylene Chloride	ND	8.5	1.1	0.853	
4-Methyl-2-Pentanone	ND	17	3.7	0.853	
Naphthalene	ND	8.5	0.69	0.853	
n-Propylbenzene	ND	1.7	0.43	0.853	
Styrene	ND	0.85	0.52	0.853	
1,1,1,2-Tetrachloroethane	ND	0.85	0.20	0.853	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.853	
Tetrachloroethene	1.6	0.85	0.18	0.853	
Toluene	ND	0.85	0.44	0.853	
1,2,3-Trichlorobenzene	ND	1.7	0.78	0.853	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.853	
1,1,1-Trichloroethane	ND	0.85	0.19	0.853	
1,1,2-Trichloroethane	ND	0.85	0.30	0.853	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.5	0.30	0.853	
Trichloroethene	8.4	1.7	0.26	0.853	
Trichlorofluoromethane	ND	8.5	0.32	0.853	
1,2,3-Trichloropropane	ND	1.7	0.71	0.853	
1,2,4-Trimethylbenzene	ND	1.7	0.50	0.853	
1,3,5-Trimethylbenzene	ND	1.7	0.47	0.853	
Vinyl Acetate	ND	8.5	4.0	0.853	
Vinyl Chloride	ND	0.85	0.43	0.853	
p/m-Xylene	ND	1.7	0.23	0.853	
o-Xylene	ND	0.85	0.47	0.853	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.853	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B81-10	**13-07-1333-8-C**	**07/19/13 07:45**	**Soil**	**GC/MS V V**	**07/19/13**	**07/29/13 21:33**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.2	47	5.8	0.931	J
Benzene	0.19	0.93	0.12	0.931	J
Bromobenzene	ND	0.93	0.20	0.931	
Bromochloromethane	ND	1.9	0.64	0.931	
Bromodichloromethane	ND	0.93	0.22	0.931	
Bromoform	ND	4.7	0.74	0.931	
Bromomethane	ND	19	8.8	0.931	
2-Butanone	ND	19	3.5	0.931	
n-Butylbenzene	ND	0.93	0.15	0.931	
sec-Butylbenzene	ND	0.93	0.54	0.931	
tert-Butylbenzene	ND	0.93	0.14	0.931	
Carbon Disulfide	0.34	9.3	0.28	0.931	B,J
Carbon Tetrachloride	ND	0.93	0.26	0.931	
Chlorobenzene	ND	0.93	0.21	0.931	
Chloroethane	ND	1.9	1.4	0.931	
Chloroform	ND	0.93	0.22	0.931	
Chloromethane	ND	19	0.28	0.931	
2-Chlorotoluene	ND	0.93	0.22	0.931	
4-Chlorotoluene	ND	0.93	0.20	0.931	
Dibromochloromethane	ND	1.9	0.53	0.931	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.931	
1,2-Dibromoethane	ND	0.93	0.24	0.931	
Dibromomethane	ND	0.93	0.72	0.931	
1,2-Dichlorobenzene	0.83	0.93	0.21	0.931	J
1,3-Dichlorobenzene	ND	0.93	0.16	0.931	
1,4-Dichlorobenzene	ND	0.93	0.21	0.931	
Dichlorodifluoromethane	ND	1.9	0.41	0.931	
1,1-Dichloroethane	ND	0.93	0.20	0.931	
1,2-Dichloroethane	ND	0.93	0.29	0.931	
1,1-Dichloroethene	ND	0.93	0.32	0.931	
c-1,2-Dichloroethene	4.3	0.93	0.26	0.931	
t-1,2-Dichloroethene	ND	0.93	0.47	0.931	
1,2-Dichloropropane	ND	0.93	0.41	0.931	
1,3-Dichloropropane	ND	0.93	0.24	0.931	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.931	
1,1-Dichloropropene	ND	1.9	0.31	0.931	
c-1,3-Dichloropropene	ND	0.93	0.24	0.931	
t-1,3-Dichloropropene	ND	1.9	0.56	0.931	
Ethylbenzene	ND	0.93	0.14	0.931	
2-Hexanone	ND	19	1.6	0.931	
Isopropylbenzene	ND	0.93	0.51	0.931	
p-Isopropyltoluene	ND	0.93	0.59	0.931	
Methylene Chloride	ND	9.3	1.2	0.931	
4-Methyl-2-Pentanone	ND	19	4.0	0.931	
Naphthalene	ND	9.3	0.76	0.931	
n-Propylbenzene	ND	1.9	0.47	0.931	
Styrene	ND	0.93	0.56	0.931	
1,1,1,2-Tetrachloroethane	ND	0.93	0.22	0.931	
1,1,2,2-Tetrachloroethane	ND	1.9	0.32	0.931	
Tetrachloroethene	4.7	0.93	0.20	0.931	
Toluene	ND	0.93	0.48	0.931	
1,2,3-Trichlorobenzene	ND	1.9	0.85	0.931	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.931	
1,1,1-Trichloroethane	ND	0.93	0.21	0.931	
1,1,2-Trichloroethane	ND	0.93	0.33	0.931	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.3	0.33	0.931	
Trichloroethene	16	1.9	0.28	0.931	
Trichlorofluoromethane	ND	9.3	0.35	0.931	
1,2,3-Trichloropropane	ND	1.9	0.77	0.931	
1,2,4-Trimethylbenzene	ND	1.9	0.55	0.931	
1,3,5-Trimethylbenzene	ND	1.9	0.51	0.931	
Vinyl Acetate	ND	9.3	4.4	0.931	
Vinyl Chloride	ND	0.93	0.47	0.931	
p/m-Xylene	ND	1.9	0.25	0.931	
o-Xylene	ND	0.93	0.52	0.931	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.27	0.931	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	96	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B85-1	**13-07-1333-9-C**	**07/19/13 08:00**	**Soil**	**GC/MS V V**	**07/19/13**	**07/29/13 22:03**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	50	45	5.7	0.909	
Benzene	ND	0.91	0.12	0.909	
Bromobenzene	ND	0.91	0.19	0.909	
Bromochloromethane	ND	1.8	0.63	0.909	
Bromodichloromethane	ND	0.91	0.21	0.909	
Bromoform	ND	4.5	0.72	0.909	
Bromomethane	ND	18	8.6	0.909	
2-Butanone	13	18	3.4	0.909	J
n-Butylbenzene	ND	0.91	0.14	0.909	
sec-Butylbenzene	ND	0.91	0.53	0.909	
tert-Butylbenzene	ND	0.91	0.14	0.909	
Carbon Disulfide	0.32	9.1	0.28	0.909	B,J
Carbon Tetrachloride	ND	0.91	0.26	0.909	
Chlorobenzene	ND	0.91	0.20	0.909	
Chloroethane	ND	1.8	1.4	0.909	
Chloroform	ND	0.91	0.22	0.909	
Chloromethane	ND	18	0.28	0.909	
2-Chlorotoluene	ND	0.91	0.21	0.909	
4-Chlorotoluene	ND	0.91	0.19	0.909	
Dibromochloromethane	ND	1.8	0.52	0.909	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.909	
1,2-Dibromoethane	ND	0.91	0.23	0.909	
Dibromomethane	ND	0.91	0.70	0.909	
1,2-Dichlorobenzene	ND	0.91	0.21	0.909	
1,3-Dichlorobenzene	ND	0.91	0.16	0.909	
1,4-Dichlorobenzene	ND	0.91	0.20	0.909	
Dichlorodifluoromethane	ND	1.8	0.40	0.909	
1,1-Dichloroethane	ND	0.91	0.19	0.909	
1,2-Dichloroethane	ND	0.91	0.29	0.909	
1,1-Dichloroethene	ND	0.91	0.31	0.909	
c-1,2-Dichloroethene	0.93	0.91	0.25	0.909	
t-1,2-Dichloroethene	ND	0.91	0.46	0.909	
1,2-Dichloropropane	ND	0.91	0.40	0.909	
1,3-Dichloropropane	ND	0.91	0.23	0.909	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	0.909	
1,1-Dichloropropene	ND	1.8	0.30	0.909	
c-1,3-Dichloropropene	ND	0.91	0.23	0.909	
t-1,3-Dichloropropene	ND	1.8	0.55	0.909	
Ethylbenzene	ND	0.91	0.14	0.909	
2-Hexanone	ND	18	1.6	0.909	
Isopropylbenzene	ND	0.91	0.50	0.909	
p-Isopropyltoluene	ND	0.91	0.57	0.909	
Methylene Chloride	ND	9.1	1.2	0.909	
4-Methyl-2-Pentanone	ND	18	3.9	0.909	
Naphthalene	ND	9.1	0.74	0.909	
n-Propylbenzene	ND	1.8	0.46	0.909	
Styrene	ND	0.91	0.55	0.909	
1,1,1,2-Tetrachloroethane	ND	0.91	0.22	0.909	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.909	
Tetrachloroethene	ND	0.91	0.19	0.909	
Toluene	ND	0.91	0.47	0.909	
1,2,3-Trichlorobenzene	ND	1.8	0.83	0.909	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.909	
1,1,1-Trichloroethane	ND	0.91	0.20	0.909	
1,1,2-Trichloroethane	ND	0.91	0.32	0.909	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.32	0.909	
Trichloroethene	0.50	1.8	0.27	0.909	J
Trichlorofluoromethane	ND	9.1	0.34	0.909	
1,2,3-Trichloropropane	ND	1.8	0.75	0.909	
1,2,4-Trimethylbenzene	ND	1.8	0.53	0.909	
1,3,5-Trimethylbenzene	ND	1.8	0.50	0.909	
Vinyl Acetate	ND	9.1	4.3	0.909	
Vinyl Chloride	ND	0.91	0.46	0.909	
p/m-Xylene	ND	1.8	0.24	0.909	
o-Xylene	ND	0.91	0.51	0.909	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.909	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B85-2.5	**13-07-1333-10-E**	**07/19/13 08:05**	**Soil**	**GC/MS Z**	**07/19/13**	**07/25/13 15:34**	**130725L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	2300	290	46	
Benzene	ND	46	6.0	46	
Bromobenzene	ND	46	9.6	46	
Bromochloromethane	ND	92	32	46	
Bromodichloromethane	ND	46	11	46	
Bromoform	ND	230	37	46	
Bromomethane	ND	920	430	46	
2-Butanone	ND	920	170	46	
n-Butylbenzene	ND	46	7.2	46	
sec-Butylbenzene	ND	46	27	46	
tert-Butylbenzene	ND	46	6.9	46	
Carbon Disulfide	76	460	14	46	J
Carbon Tetrachloride	ND	46	13	46	
Chlorobenzene	ND	46	10	46	
Chloroethane	ND	92	69	46	
Chloroform	ND	46	11	46	
Chloromethane	ND	920	14	46	
2-Chlorotoluene	ND	46	11	46	
4-Chlorotoluene	ND	46	9.8	46	
Dibromochloromethane	ND	92	26	46	
1,2-Dibromo-3-Chloropropane	ND	230	80	46	
1,2-Dibromoethane	ND	46	12	46	
Dibromomethane	ND	46	36	46	
1,2-Dichlorobenzene	120	46	11	46	
1,3-Dichlorobenzene	ND	46	8.1	46	
1,4-Dichlorobenzene	ND	46	10	46	
Dichlorodifluoromethane	ND	92	20	46	
1,1-Dichloroethane	ND	46	9.7	46	
1,2-Dichloroethane	ND	46	14	46	
1,1-Dichloroethene	ND	46	16	46	
c-1,2-Dichloroethene	1200	46	13	46	
t-1,2-Dichloroethene	ND	46	23	46	
1,2-Dichloropropane	ND	46	20	46	
1,3-Dichloropropane	ND	46	12	46	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	230	15	46	
1,1-Dichloropropene	ND	92	15	46	
c-1,3-Dichloropropene	ND	46	12	46	
t-1,3-Dichloropropene	ND	92	28	46	
Ethylbenzene	ND	46	7.0	46	
2-Hexanone	ND	920	81	46	
Isopropylbenzene	ND	46	25	46	
p-Isopropyltoluene	ND	46	29	46	
Methylene Chloride	ND	460	62	46	
4-Methyl-2-Pentanone	ND	920	200	46	
Naphthalene	ND	460	37	46	
n-Propylbenzene	ND	92	23	46	
Styrene	ND	46	28	46	
1,1,1,2-Tetrachloroethane	ND	46	11	46	
1,1,2,2-Tetrachloroethane	ND	92	16	46	
Tetrachloroethene	210	46	9.7	46	
Toluene	ND	46	24	46	
1,2,3-Trichlorobenzene	ND	92	42	46	
1,2,4-Trichlorobenzene	ND	92	14	46	
1,1,1-Trichloroethane	ND	46	10	46	
1,1,2-Trichloroethane	ND	46	16	46	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	460	16	46	
Trichloroethene	730	92	14	46	
Trichlorofluoromethane	ND	460	17	46	
1,2,3-Trichloropropane	ND	92	38	46	
1,2,4-Trimethylbenzene	ND	92	27	46	
1,3,5-Trimethylbenzene	ND	92	25	46	
Vinyl Acetate	ND	460	220	46	
Vinyl Chloride	ND	46	23	46	
p/m-Xylene	ND	92	12	46	
o-Xylene	ND	46	26	46	
Methyl-t-Butyl Ether (MTBE)	ND	92	14	46	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	95	71-155	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/19/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1333
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 21 of 85

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B85-5	**13-07-1333-11-C**	**07/19/13 08:10**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 13:34**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	43	5.4	0.868	
Benzene	ND	0.87	0.11	0.868	
Bromobenzene	ND	0.87	0.18	0.868	
Bromochloromethane	ND	1.7	0.60	0.868	
Bromodichloromethane	ND	0.87	0.20	0.868	
Bromoform	ND	4.3	0.69	0.868	
Bromomethane	ND	17	8.2	0.868	
2-Butanone	ND	17	3.3	0.868	
n-Butylbenzene	ND	0.87	0.14	0.868	
sec-Butylbenzene	ND	0.87	0.50	0.868	
tert-Butylbenzene	ND	0.87	0.13	0.868	
Carbon Disulfide	ND	8.7	0.27	0.868	
Carbon Tetrachloride	ND	0.87	0.25	0.868	
Chlorobenzene	ND	0.87	0.19	0.868	
Chloroethane	ND	1.7	1.3	0.868	
Chloroform	ND	0.87	0.21	0.868	
Chloromethane	ND	17	0.26	0.868	
2-Chlorotoluene	ND	0.87	0.20	0.868	
4-Chlorotoluene	ND	0.87	0.18	0.868	
Dibromochloromethane	ND	1.7	0.49	0.868	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.868	
1,2-Dibromoethane	ND	0.87	0.22	0.868	
Dibromomethane	ND	0.87	0.67	0.868	
1,2-Dichlorobenzene	0.87	0.87	0.20	0.868	J
1,3-Dichlorobenzene	ND	0.87	0.15	0.868	
1,4-Dichlorobenzene	ND	0.87	0.19	0.868	
Dichlorodifluoromethane	ND	1.7	0.38	0.868	
1,1-Dichloroethane	ND	0.87	0.18	0.868	
1,2-Dichloroethane	ND	0.87	0.27	0.868	
1,1-Dichloroethene	ND	0.87	0.30	0.868	
c-1,2-Dichloroethene	32	0.87	0.24	0.868	
t-1,2-Dichloroethene	ND	0.87	0.44	0.868	
1,2-Dichloropropane	ND	0.87	0.38	0.868	
1,3-Dichloropropane	ND	0.87	0.22	0.868	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.3	0.29	0.868	
1,1-Dichloropropene	ND	1.7	0.28	0.868	
c-1,3-Dichloropropene	ND	0.87	0.22	0.868	
t-1,3-Dichloropropene	ND	1.7	0.53	0.868	
Ethylbenzene	ND	0.87	0.13	0.868	
2-Hexanone	ND	17	1.5	0.868	
Isopropylbenzene	ND	0.87	0.47	0.868	
p-Isopropyltoluene	ND	0.87	0.55	0.868	
Methylene Chloride	ND	8.7	1.2	0.868	
4-Methyl-2-Pentanone	ND	17	3.8	0.868	
Naphthalene	ND	8.7	0.71	0.868	
n-Propylbenzene	ND	1.7	0.44	0.868	
Styrene	ND	0.87	0.52	0.868	
1,1,1,2-Tetrachloroethane	ND	0.87	0.21	0.868	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	0.868	
Tetrachloroethene	0.50	0.87	0.18	0.868	J
Toluene	ND	0.87	0.45	0.868	
1,2,3-Trichlorobenzene	ND	1.7	0.79	0.868	
1,2,4-Trichlorobenzene	ND	1.7	0.27	0.868	
1,1,1-Trichloroethane	ND	0.87	0.20	0.868	
1,1,2-Trichloroethane	ND	0.87	0.31	0.868	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	0.31	0.868	
Trichloroethene	4.4	1.7	0.26	0.868	
Trichlorofluoromethane	ND	8.7	0.33	0.868	
1,2,3-Trichloropropane	ND	1.7	0.72	0.868	
1,2,4-Trimethylbenzene	ND	1.7	0.51	0.868	
1,3,5-Trimethylbenzene	ND	1.7	0.48	0.868	
Vinyl Acetate	ND	8.7	4.1	0.868	
Vinyl Chloride	ND	0.87	0.44	0.868	
p/m-Xylene	ND	1.7	0.23	0.868	
o-Xylene	ND	0.87	0.48	0.868	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.26	0.868	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B85-10	**13-07-1333-12-C**	**07/19/13 08:15**	**Soil**	**GC/MS V V**	**07/19/13**	**07/29/13 22:33**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	47	5.9	0.949	
Benzene	ND	0.95	0.12	0.949	
Bromobenzene	ND	0.95	0.20	0.949	
Bromochloromethane	ND	1.9	0.66	0.949	
Bromodichloromethane	ND	0.95	0.22	0.949	
Bromoform	ND	4.7	0.75	0.949	
Bromomethane	ND	19	8.9	0.949	
2-Butanone	ND	19	3.6	0.949	
n-Butylbenzene	ND	0.95	0.15	0.949	
sec-Butylbenzene	ND	0.95	0.55	0.949	
tert-Butylbenzene	ND	0.95	0.14	0.949	
Carbon Disulfide	0.32	9.5	0.29	0.949	B,J
Carbon Tetrachloride	ND	0.95	0.27	0.949	
Chlorobenzene	ND	0.95	0.21	0.949	
Chloroethane	ND	1.9	1.4	0.949	
Chloroform	ND	0.95	0.23	0.949	
Chloromethane	ND	19	0.29	0.949	
2-Chlorotoluene	ND	0.95	0.22	0.949	
4-Chlorotoluene	ND	0.95	0.20	0.949	
Dibromochloromethane	ND	1.9	0.54	0.949	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.7	0.949	
1,2-Dibromoethane	ND	0.95	0.24	0.949	
Dibromomethane	ND	0.95	0.74	0.949	
1,2-Dichlorobenzene	4.8	0.95	0.22	0.949	
1,3-Dichlorobenzene	ND	0.95	0.17	0.949	
1,4-Dichlorobenzene	0.26	0.95	0.21	0.949	J
Dichlorodifluoromethane	ND	1.9	0.42	0.949	
1,1-Dichloroethane	ND	0.95	0.20	0.949	
1,2-Dichloroethane	ND	0.95	0.30	0.949	
1,1-Dichloroethene	ND	0.95	0.33	0.949	
c-1,2-Dichloroethene	8.6	0.95	0.27	0.949	
t-1,2-Dichloroethene	ND	0.95	0.48	0.949	
1,2-Dichloropropane	ND	0.95	0.42	0.949	
1,3-Dichloropropane	ND	0.95	0.24	0.949	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.949	
1,1-Dichloropropene	ND	1.9	0.31	0.949	
c-1,3-Dichloropropene	ND	0.95	0.24	0.949	
t-1,3-Dichloropropene	ND	1.9	0.57	0.949	
Ethylbenzene	ND	0.95	0.14	0.949	
2-Hexanone	ND	19	1.7	0.949	
Isopropylbenzene	ND	0.95	0.52	0.949	
p-Isopropyltoluene	ND	0.95	0.60	0.949	
Methylene Chloride	ND	9.5	1.3	0.949	
4-Methyl-2-Pentanone	ND	19	4.1	0.949	
Naphthalene	ND	9.5	0.77	0.949	
n-Propylbenzene	ND	1.9	0.48	0.949	
Styrene	ND	0.95	0.57	0.949	
1,1,1,2-Tetrachloroethane	ND	0.95	0.23	0.949	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	0.949	
Tetrachloroethene	3.6	0.95	0.20	0.949	
Toluene	ND	0.95	0.49	0.949	
1,2,3-Trichlorobenzene	ND	1.9	0.87	0.949	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.949	
1,1,1-Trichloroethane	ND	0.95	0.21	0.949	
1,1,2-Trichloroethane	ND	0.95	0.34	0.949	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.5	0.33	0.949	
Trichloroethene	13	1.9	0.29	0.949	
Trichlorofluoromethane	ND	9.5	0.36	0.949	
1,2,3-Trichloropropane	ND	1.9	0.79	0.949	
1,2,4-Trimethylbenzene	ND	1.9	0.56	0.949	
1,3,5-Trimethylbenzene	ND	1.9	0.52	0.949	
Vinyl Acetate	ND	9.5	4.5	0.949	
Vinyl Chloride	ND	0.95	0.48	0.949	
p/m-Xylene	ND	1.9	0.25	0.949	
o-Xylene	ND	0.95	0.53	0.949	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.949	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B84-1	**13-07-1333-13-C**	**07/19/13 08:20**	**Soil**	**GC/MS V V**	**07/19/13**	**07/29/13 23:03**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	28	45	5.7	0.909	J
Benzene	ND	0.91	0.12	0.909	
Bromobenzene	ND	0.91	0.19	0.909	
Bromochloromethane	ND	1.8	0.63	0.909	
Bromodichloromethane	ND	0.91	0.21	0.909	
Bromoform	ND	4.5	0.72	0.909	
Bromomethane	ND	18	8.6	0.909	
2-Butanone	4.2	18	3.4	0.909	J
n-Butylbenzene	ND	0.91	0.14	0.909	
sec-Butylbenzene	ND	0.91	0.53	0.909	
tert-Butylbenzene	ND	0.91	0.14	0.909	
Carbon Disulfide	0.70	9.1	0.28	0.909	B,J
Carbon Tetrachloride	ND	0.91	0.26	0.909	
Chlorobenzene	ND	0.91	0.20	0.909	
Chloroethane	ND	1.8	1.4	0.909	
Chloroform	ND	0.91	0.22	0.909	
Chloromethane	ND	18	0.28	0.909	
2-Chlorotoluene	ND	0.91	0.21	0.909	
4-Chlorotoluene	ND	0.91	0.19	0.909	
Dibromochloromethane	ND	1.8	0.52	0.909	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.909	
1,2-Dibromoethane	ND	0.91	0.23	0.909	
Dibromomethane	ND	0.91	0.70	0.909	
1,2-Dichlorobenzene	ND	0.91	0.21	0.909	
1,3-Dichlorobenzene	ND	0.91	0.16	0.909	
1,4-Dichlorobenzene	ND	0.91	0.20	0.909	
Dichlorodifluoromethane	ND	1.8	0.40	0.909	
1,1-Dichloroethane	ND	0.91	0.19	0.909	
1,2-Dichloroethane	ND	0.91	0.29	0.909	
1,1-Dichloroethene	ND	0.91	0.31	0.909	
c-1,2-Dichloroethene	ND	0.91	0.25	0.909	
t-1,2-Dichloroethene	ND	0.91	0.46	0.909	
1,2-Dichloropropane	ND	0.91	0.40	0.909	
1,3-Dichloropropane	ND	0.91	0.23	0.909	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	0.909	
1,1-Dichloropropene	ND	1.8	0.30	0.909	
c-1,3-Dichloropropene	ND	0.91	0.23	0.909	
t-1,3-Dichloropropene	ND	1.8	0.55	0.909	
Ethylbenzene	ND	0.91	0.14	0.909	
2-Hexanone	ND	18	1.6	0.909	
Isopropylbenzene	ND	0.91	0.50	0.909	
p-Isopropyltoluene	ND	0.91	0.57	0.909	
Methylene Chloride	ND	9.1	1.2	0.909	
4-Methyl-2-Pentanone	ND	18	3.9	0.909	
Naphthalene	ND	9.1	0.74	0.909	
n-Propylbenzene	ND	1.8	0.46	0.909	
Styrene	ND	0.91	0.55	0.909	
1,1,1,2-Tetrachloroethane	ND	0.91	0.22	0.909	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.909	
Tetrachloroethene	ND	0.91	0.19	0.909	
Toluene	0.94	0.91	0.47	0.909	
1,2,3-Trichlorobenzene	ND	1.8	0.83	0.909	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.909	
1,1,1-Trichloroethane	ND	0.91	0.20	0.909	
1,1,2-Trichloroethane	ND	0.91	0.32	0.909	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.32	0.909	
Trichloroethene	ND	1.8	0.27	0.909	
Trichlorofluoromethane	ND	9.1	0.34	0.909	
1,2,3-Trichloropropane	ND	1.8	0.75	0.909	
1,2,4-Trimethylbenzene	ND	1.8	0.53	0.909	
1,3,5-Trimethylbenzene	ND	1.8	0.50	0.909	
Vinyl Acetate	ND	9.1	4.3	0.909	
Vinyl Chloride	ND	0.91	0.46	0.909	
p/m-Xylene	0.31	1.8	0.24	0.909	J
o-Xylene	ND	0.91	0.51	0.909	
Methyl-t-Butyl Ether (MTBE)	0.56	1.8	0.27	0.909	J

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	112	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B84-2.5	**13-07-1333-14-C**	**07/19/13 08:25**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 14:02**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	31	45	5.7	0.909	J
Benzene	0.41	0.91	0.12	0.909	J
Bromobenzene	ND	0.91	0.19	0.909	
Bromochloromethane	ND	1.8	0.63	0.909	
Bromodichloromethane	ND	0.91	0.21	0.909	
Bromoform	ND	4.5	0.72	0.909	
Bromomethane	ND	18	8.6	0.909	
2-Butanone	ND	18	3.4	0.909	
n-Butylbenzene	ND	0.91	0.14	0.909	
sec-Butylbenzene	ND	0.91	0.53	0.909	
tert-Butylbenzene	ND	0.91	0.14	0.909	
Carbon Disulfide	1.4	9.1	0.28	0.909	J
Carbon Tetrachloride	ND	0.91	0.26	0.909	
Chlorobenzene	ND	0.91	0.20	0.909	
Chloroethane	ND	1.8	1.4	0.909	
Chloroform	ND	0.91	0.22	0.909	
Chloromethane	ND	18	0.28	0.909	
2-Chlorotoluene	ND	0.91	0.21	0.909	
4-Chlorotoluene	ND	0.91	0.19	0.909	
Dibromochloromethane	ND	1.8	0.52	0.909	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.909	
1,2-Dibromoethane	ND	0.91	0.23	0.909	
Dibromomethane	ND	0.91	0.70	0.909	
1,2-Dichlorobenzene	ND	0.91	0.21	0.909	
1,3-Dichlorobenzene	ND	0.91	0.16	0.909	
1,4-Dichlorobenzene	ND	0.91	0.20	0.909	
Dichlorodifluoromethane	ND	1.8	0.40	0.909	
1,1-Dichloroethane	ND	0.91	0.19	0.909	
1,2-Dichloroethane	ND	0.91	0.29	0.909	
1,1-Dichloroethene	ND	0.91	0.31	0.909	
c-1,2-Dichloroethene	ND	0.91	0.25	0.909	
t-1,2-Dichloroethene	ND	0.91	0.46	0.909	
1,2-Dichloropropane	ND	0.91	0.40	0.909	
1,3-Dichloropropane	ND	0.91	0.23	0.909	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	0.909	
1,1-Dichloropropene	ND	1.8	0.30	0.909	
c-1,3-Dichloropropene	ND	0.91	0.23	0.909	
t-1,3-Dichloropropene	ND	1.8	0.55	0.909	
Ethylbenzene	ND	0.91	0.14	0.909	
2-Hexanone	ND	18	1.6	0.909	
Isopropylbenzene	ND	0.91	0.50	0.909	
p-Isopropyltoluene	ND	0.91	0.57	0.909	
Methylene Chloride	ND	9.1	1.2	0.909	
4-Methyl-2-Pentanone	ND	18	3.9	0.909	
Naphthalene	ND	9.1	0.74	0.909	
n-Propylbenzene	ND	1.8	0.46	0.909	
Styrene	ND	0.91	0.55	0.909	
1,1,1,2-Tetrachloroethane	ND	0.91	0.22	0.909	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.909	
Tetrachloroethene	9.5	0.91	0.19	0.909	
Toluene	ND	0.91	0.47	0.909	
1,2,3-Trichlorobenzene	ND	1.8	0.83	0.909	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.909	
1,1,1-Trichloroethane	ND	0.91	0.20	0.909	
1,1,2-Trichloroethane	ND	0.91	0.32	0.909	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	0.32	0.909	
Trichloroethene	6.9	1.8	0.27	0.909	
Trichlorofluoromethane	ND	9.1	0.34	0.909	
1,2,3-Trichloropropane	ND	1.8	0.75	0.909	
1,2,4-Trimethylbenzene	ND	1.8	0.53	0.909	
1,3,5-Trimethylbenzene	ND	1.8	0.50	0.909	
Vinyl Acetate	ND	9.1	4.3	0.909	
Vinyl Chloride	ND	0.91	0.46	0.909	
p/m-Xylene	ND	1.8	0.24	0.909	
o-Xylene	ND	0.91	0.51	0.909	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.909	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B84-5	**13-07-1333-15-C**	**07/19/13 08:30**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 14:29**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	9.5	45	5.6	0.904	J
Benzene	ND	0.90	0.12	0.904	
Bromobenzene	ND	0.90	0.19	0.904	
Bromochloromethane	ND	1.8	0.62	0.904	
Bromodichloromethane	ND	0.90	0.21	0.904	
Bromoform	ND	4.5	0.72	0.904	
Bromomethane	ND	18	8.5	0.904	
2-Butanone	ND	18	3.4	0.904	
n-Butylbenzene	ND	0.90	0.14	0.904	
sec-Butylbenzene	ND	0.90	0.52	0.904	
tert-Butylbenzene	ND	0.90	0.14	0.904	
Carbon Disulfide	ND	9.0	0.28	0.904	
Carbon Tetrachloride	ND	0.90	0.26	0.904	
Chlorobenzene	ND	0.90	0.20	0.904	
Chloroethane	ND	1.8	1.3	0.904	
Chloroform	ND	0.90	0.22	0.904	
Chloromethane	ND	18	0.27	0.904	
2-Chlorotoluene	ND	0.90	0.21	0.904	
4-Chlorotoluene	ND	0.90	0.19	0.904	
Dibromochloromethane	ND	1.8	0.52	0.904	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.904	
1,2-Dibromoethane	ND	0.90	0.23	0.904	
Dibromomethane	ND	0.90	0.70	0.904	
1,2-Dichlorobenzene	ND	0.90	0.21	0.904	
1,3-Dichlorobenzene	ND	0.90	0.16	0.904	
1,4-Dichlorobenzene	ND	0.90	0.20	0.904	
Dichlorodifluoromethane	ND	1.8	0.40	0.904	
1,1-Dichloroethane	ND	0.90	0.19	0.904	
1,2-Dichloroethane	ND	0.90	0.28	0.904	
1,1-Dichloroethene	ND	0.90	0.31	0.904	
c-1,2-Dichloroethene	ND	0.90	0.25	0.904	
t-1,2-Dichloroethene	ND	0.90	0.46	0.904	
1,2-Dichloropropane	ND	0.90	0.40	0.904	
1,3-Dichloropropane	ND	0.90	0.23	0.904	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	0.904	
1,1-Dichloropropene	ND	1.8	0.30	0.904	
c-1,3-Dichloropropene	ND	0.90	0.23	0.904	
t-1,3-Dichloropropene	ND	1.8	0.55	0.904	
Ethylbenzene	ND	0.90	0.14	0.904	
2-Hexanone	ND	18	1.6	0.904	
Isopropylbenzene	ND	0.90	0.49	0.904	
p-Isopropyltoluene	ND	0.90	0.57	0.904	
Methylene Chloride	ND	9.0	1.2	0.904	
4-Methyl-2-Pentanone	ND	18	3.9	0.904	
Naphthalene	ND	9.0	0.74	0.904	
n-Propylbenzene	ND	1.8	0.45	0.904	
Styrene	ND	0.90	0.55	0.904	
1,1,1,2-Tetrachloroethane	ND	0.90	0.22	0.904	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.904	
Tetrachloroethene	1.0	0.90	0.19	0.904	
Toluene	ND	0.90	0.47	0.904	
1,2,3-Trichlorobenzene	ND	1.8	0.83	0.904	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.904	
1,1,1-Trichloroethane	ND	0.90	0.20	0.904	
1,1,2-Trichloroethane	ND	0.90	0.32	0.904	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	0.32	0.904	
Trichloroethene	0.56	1.8	0.27	0.904	J
Trichlorofluoromethane	ND	9.0	0.34	0.904	
1,2,3-Trichloropropane	ND	1.8	0.75	0.904	
1,2,4-Trimethylbenzene	ND	1.8	0.53	0.904	
1,3,5-Trimethylbenzene	ND	1.8	0.50	0.904	
Vinyl Acetate	ND	9.0	4.3	0.904	
Vinyl Chloride	ND	0.90	0.45	0.904	
p/m-Xylene	ND	1.8	0.24	0.904	
o-Xylene	ND	0.90	0.50	0.904	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.27	0.904	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	108	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B84-10	**13-07-1333-16-C**	**07/19/13 08:35**	**Soil**	**GC/MS V V**	**07/19/13**	**07/29/13 23:32**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	30	120	15	2.44	J
Benzene	0.44	2.4	0.32	2.44	J
Bromobenzene	ND	2.4	0.51	2.44	
Bromochloromethane	ND	4.9	1.7	2.44	
Bromodichloromethane	ND	2.4	0.57	2.44	
Bromoform	2.3	12	1.9	2.44	J
Bromomethane	ND	49	23	2.44	
2-Butanone	ND	49	9.2	2.44	
n-Butylbenzene	ND	2.4	0.38	2.44	
sec-Butylbenzene	ND	2.4	1.4	2.44	
tert-Butylbenzene	ND	2.4	0.37	2.44	
Carbon Disulfide	0.78	24	0.75	2.44	B,J
Carbon Tetrachloride	ND	2.4	0.69	2.44	
Chlorobenzene	ND	2.4	0.55	2.44	
Chloroethane	ND	4.9	3.6	2.44	
Chloroform	ND	2.4	0.58	2.44	
Chloromethane	0.85	49	0.74	2.44	J
2-Chlorotoluene	ND	2.4	0.56	2.44	
4-Chlorotoluene	ND	2.4	0.52	2.44	
Dibromochloromethane	ND	4.9	1.4	2.44	
1,2-Dibromo-3-Chloropropane	ND	12	4.2	2.44	
1,2-Dibromoethane	ND	2.4	0.62	2.44	
Dibromomethane	ND	2.4	1.9	2.44	
1,2-Dichlorobenzene	ND	2.4	0.56	2.44	
1,3-Dichlorobenzene	ND	2.4	0.43	2.44	
1,4-Dichlorobenzene	ND	2.4	0.54	2.44	
Dichlorodifluoromethane	ND	4.9	1.1	2.44	
1,1-Dichloroethane	ND	2.4	0.52	2.44	
1,2-Dichloroethane	ND	2.4	0.77	2.44	
1,1-Dichloroethene	ND	2.4	0.84	2.44	
c-1,2-Dichloroethene	ND	2.4	0.68	2.44	
t-1,2-Dichloroethene	ND	2.4	1.2	2.44	
1,2-Dichloropropane	ND	2.4	1.1	2.44	
1,3-Dichloropropane	ND	2.4	0.62	2.44	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	12	0.81	2.44	
1,1-Dichloropropene	ND	4.9	0.80	2.44	
c-1,3-Dichloropropene	ND	2.4	0.62	2.44	
t-1,3-Dichloropropene	ND	4.9	1.5	2.44	
Ethylbenzene	ND	2.4	0.37	2.44	
2-Hexanone	ND	49	4.3	2.44	
Isopropylbenzene	ND	2.4	1.3	2.44	
p-Isopropyltoluene	ND	2.4	1.5	2.44	
Methylene Chloride	ND	24	3.3	2.44	
4-Methyl-2-Pentanone	ND	49	11	2.44	
Naphthalene	ND	24	2.0	2.44	
n-Propylbenzene	ND	4.9	1.2	2.44	
Styrene	ND	2.4	1.5	2.44	
1,1,1,2-Tetrachloroethane	ND	2.4	0.59	2.44	
1,1,2,2-Tetrachloroethane	ND	4.9	0.84	2.44	
Tetrachloroethene	5.8	2.4	0.51	2.44	
Toluene	ND	2.4	1.3	2.44	
1,2,3-Trichlorobenzene	ND	4.9	2.2	2.44	
1,2,4-Trichlorobenzene	ND	4.9	0.76	2.44	
1,1,1-Trichloroethane	0.69	2.4	0.55	2.44	J
1,1,2-Trichloroethane	ND	2.4	0.86	2.44	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	24	0.86	2.44	
Trichloroethene	3.7	4.9	0.73	2.44	J
Trichlorofluoromethane	ND	24	0.92	2.44	
1,2,3-Trichloropropane	ND	4.9	2.0	2.44	
1,2,4-Trimethylbenzene	ND	4.9	1.4	2.44	
1,3,5-Trimethylbenzene	ND	4.9	1.3	2.44	
Vinyl Acetate	ND	24	12	2.44	
Vinyl Chloride	ND	2.4	1.2	2.44	
p/m-Xylene	ND	4.9	0.65	2.44	
o-Xylene	ND	2.4	1.4	2.44	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	0.72	2.44	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B87-1	**13-07-1333-17-C**	**07/19/13 08:50**	**Soil**	**GC/MS V V**	**07/19/13**	**07/30/13 00:02**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	30	46	5.8	0.929	J
Benzene	0.34	0.93	0.12	0.929	J
Bromobenzene	ND	0.93	0.19	0.929	
Bromochloromethane	ND	1.9	0.64	0.929	
Bromodichloromethane	ND	0.93	0.22	0.929	
Bromoform	ND	4.6	0.74	0.929	
Bromomethane	ND	19	8.8	0.929	
2-Butanone	4.1	19	3.5	0.929	J
n-Butylbenzene	ND	0.93	0.15	0.929	
sec-Butylbenzene	ND	0.93	0.54	0.929	
tert-Butylbenzene	ND	0.93	0.14	0.929	
Carbon Disulfide	0.57	9.3	0.28	0.929	B,J
Carbon Tetrachloride	ND	0.93	0.26	0.929	
Chlorobenzene	ND	0.93	0.21	0.929	
Chloroethane	ND	1.9	1.4	0.929	
Chloroform	ND	0.93	0.22	0.929	
Chloromethane	1.3	19	0.28	0.929	J
2-Chlorotoluene	ND	0.93	0.21	0.929	
4-Chlorotoluene	ND	0.93	0.20	0.929	
Dibromochloromethane	ND	1.9	0.53	0.929	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	0.929	
1,2-Dibromoethane	ND	0.93	0.24	0.929	
Dibromomethane	ND	0.93	0.72	0.929	
1,2-Dichlorobenzene	ND	0.93	0.21	0.929	
1,3-Dichlorobenzene	ND	0.93	0.16	0.929	
1,4-Dichlorobenzene	ND	0.93	0.21	0.929	
Dichlorodifluoromethane	ND	1.9	0.41	0.929	
1,1-Dichloroethane	ND	0.93	0.20	0.929	
1,2-Dichloroethane	ND	0.93	0.29	0.929	
1,1-Dichloroethene	ND	0.93	0.32	0.929	
c-1,2-Dichloroethene	ND	0.93	0.26	0.929	
t-1,2-Dichloroethene	ND	0.93	0.47	0.929	
1,2-Dichloropropane	ND	0.93	0.41	0.929	
1,3-Dichloropropane	ND	0.93	0.23	0.929	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.6	0.31	0.929	
1,1-Dichloropropene	ND	1.9	0.30	0.929	
c-1,3-Dichloropropene	ND	0.93	0.24	0.929	
t-1,3-Dichloropropene	ND	1.9	0.56	0.929	
Ethylbenzene	ND	0.93	0.14	0.929	
2-Hexanone	ND	19	1.6	0.929	
Isopropylbenzene	ND	0.93	0.51	0.929	
p-Isopropyltoluene	ND	0.93	0.59	0.929	
Methylene Chloride	ND	9.3	1.2	0.929	
4-Methyl-2-Pentanone	ND	19	4.0	0.929	
Naphthalene	ND	9.3	0.76	0.929	
n-Propylbenzene	ND	1.9	0.47	0.929	
Styrene	ND	0.93	0.56	0.929	
1,1,1,2-Tetrachloroethane	ND	0.93	0.22	0.929	
1,1,2,2-Tetrachloroethane	ND	1.9	0.32	0.929	
Tetrachloroethene	ND	0.93	0.19	0.929	
Toluene	0.62	0.93	0.48	0.929	J
1,2,3-Trichlorobenzene	ND	1.9	0.85	0.929	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.929	
1,1,1-Trichloroethane	ND	0.93	0.21	0.929	
1,1,2-Trichloroethane	ND	0.93	0.33	0.929	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.3	0.33	0.929	
Trichloroethene	ND	1.9	0.28	0.929	
Trichlorofluoromethane	ND	9.3	0.35	0.929	
1,2,3-Trichloropropane	ND	1.9	0.77	0.929	
1,2,4-Trimethylbenzene	ND	1.9	0.54	0.929	
1,3,5-Trimethylbenzene	ND	1.9	0.51	0.929	
Vinyl Acetate	ND	9.3	4.4	0.929	
Vinyl Chloride	ND	0.93	0.47	0.929	
p/m-Xylene	0.25	1.9	0.25	0.929	J
o-Xylene	ND	0.93	0.52	0.929	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.27	0.929	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	114	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B87-2.5	**13-07-1333-18-C**	**07/19/13 08:55**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 14:57**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	27	41	5.1	0.825	J
Benzene	0.59	0.82	0.11	0.825	J
Bromobenzene	ND	0.82	0.17	0.825	
Bromochloromethane	ND	1.6	0.57	0.825	
Bromodichloromethane	ND	0.82	0.19	0.825	
Bromoform	ND	4.1	0.66	0.825	
Bromomethane	ND	16	7.8	0.825	
2-Butanone	3.9	16	3.1	0.825	J
n-Butylbenzene	ND	0.82	0.13	0.825	
sec-Butylbenzene	ND	0.82	0.48	0.825	
tert-Butylbenzene	ND	0.82	0.12	0.825	
Carbon Disulfide	0.83	8.2	0.25	0.825	J
Carbon Tetrachloride	ND	0.82	0.23	0.825	
Chlorobenzene	ND	0.82	0.18	0.825	
Chloroethane	ND	1.6	1.2	0.825	
Chloroform	ND	0.82	0.20	0.825	
Chloromethane	ND	16	0.25	0.825	
2-Chlorotoluene	ND	0.82	0.19	0.825	
4-Chlorotoluene	ND	0.82	0.18	0.825	
Dibromochloromethane	ND	1.6	0.47	0.825	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.825	
1,2-Dibromoethane	ND	0.82	0.21	0.825	
Dibromomethane	ND	0.82	0.64	0.825	
1,2-Dichlorobenzene	ND	0.82	0.19	0.825	
1,3-Dichlorobenzene	ND	0.82	0.15	0.825	
1,4-Dichlorobenzene	ND	0.82	0.18	0.825	
Dichlorodifluoromethane	ND	1.6	0.37	0.825	
1,1-Dichloroethane	ND	0.82	0.17	0.825	
1,2-Dichloroethane	ND	0.82	0.26	0.825	
1,1-Dichloroethene	ND	0.82	0.29	0.825	
c-1,2-Dichloroethene	40	0.82	0.23	0.825	
t-1,2-Dichloroethene	2.1	0.82	0.42	0.825	
1,2-Dichloropropane	ND	0.82	0.36	0.825	
1,3-Dichloropropane	ND	0.82	0.21	0.825	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.825	
1,1-Dichloropropene	ND	1.6	0.27	0.825	
c-1,3-Dichloropropene	ND	0.82	0.21	0.825	
t-1,3-Dichloropropene	ND	1.6	0.50	0.825	
Ethylbenzene	ND	0.82	0.13	0.825	
2-Hexanone	ND	16	1.5	0.825	
Isopropylbenzene	ND	0.82	0.45	0.825	
p-Isopropyltoluene	ND	0.82	0.52	0.825	
Methylene Chloride	ND	8.2	1.1	0.825	
4-Methyl-2-Pentanone	ND	16	3.6	0.825	
Naphthalene	ND	8.2	0.67	0.825	
n-Propylbenzene	ND	1.6	0.41	0.825	
Styrene	ND	0.82	0.50	0.825	
1,1,1,2-Tetrachloroethane	ND	0.82	0.20	0.825	
1,1,2,2-Tetrachloroethane	ND	1.6	0.29	0.825	
Tetrachloroethene	0.36	0.82	0.17	0.825	J
Toluene	ND	0.82	0.43	0.825	
1,2,3-Trichlorobenzene	ND	1.6	0.75	0.825	
1,2,4-Trichlorobenzene	ND	1.6	0.26	0.825	
1,1,1-Trichloroethane	ND	0.82	0.19	0.825	
1,1,2-Trichloroethane	ND	0.82	0.29	0.825	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.2	0.29	0.825	
Trichloroethene	4.2	1.6	0.25	0.825	
Trichlorofluoromethane	ND	8.2	0.31	0.825	
1,2,3-Trichloropropane	ND	1.6	0.68	0.825	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.825	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.825	
Vinyl Acetate	ND	8.2	3.9	0.825	
Vinyl Chloride	ND	0.82	0.41	0.825	
p/m-Xylene	ND	1.6	0.22	0.825	
o-Xylene	ND	0.82	0.46	0.825	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.825	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	105	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B87-5	**13-07-1333-19-C**	**07/19/13 09:00**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 15:25**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	9.2	44	5.6	0.89	J
Benzene	ND	0.89	0.12	0.89	
Bromobenzene	ND	0.89	0.19	0.89	
Bromochloromethane	ND	1.8	0.61	0.89	
Bromodichloromethane	ND	0.89	0.21	0.89	
Bromoform	ND	4.4	0.71	0.89	
Bromomethane	ND	18	8.4	0.89	
2-Butanone	ND	18	3.4	0.89	
n-Butylbenzene	ND	0.89	0.14	0.89	
sec-Butylbenzene	ND	0.89	0.51	0.89	
tert-Butylbenzene	ND	0.89	0.13	0.89	
Carbon Disulfide	ND	8.9	0.27	0.89	
Carbon Tetrachloride	ND	0.89	0.25	0.89	
Chlorobenzene	ND	0.89	0.20	0.89	
Chloroethane	ND	1.8	1.3	0.89	
Chloroform	ND	0.89	0.21	0.89	
Chloromethane	ND	18	0.27	0.89	
2-Chlorotoluene	ND	0.89	0.21	0.89	
4-Chlorotoluene	ND	0.89	0.19	0.89	
Dibromochloromethane	ND	1.8	0.51	0.89	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.5	0.89	
1,2-Dibromoethane	ND	0.89	0.23	0.89	
Dibromomethane	ND	0.89	0.69	0.89	
1,2-Dichlorobenzene	ND	0.89	0.20	0.89	
1,3-Dichlorobenzene	ND	0.89	0.16	0.89	
1,4-Dichlorobenzene	ND	0.89	0.20	0.89	
Dichlorodifluoromethane	ND	1.8	0.39	0.89	
1,1-Dichloroethane	ND	0.89	0.19	0.89	
1,2-Dichloroethane	ND	0.89	0.28	0.89	
1,1-Dichloroethene	ND	0.89	0.31	0.89	
c-1,2-Dichloroethene	16	0.89	0.25	0.89	
t-1,2-Dichloroethene	ND	0.89	0.45	0.89	
1,2-Dichloropropane	ND	0.89	0.39	0.89	
1,3-Dichloropropane	ND	0.89	0.22	0.89	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental	Date Received:	07/19/13
3777 Long Beach Blvd., Annex Building	Work Order:	13-07-1333
Long Beach, CA 90802-3335	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Panama Site / MCGU-13-2252		Page 38 of 85

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.4	0.29	0.89	
1,1-Dichloropropene	ND	1.8	0.29	0.89	
c-1,3-Dichloropropene	ND	0.89	0.23	0.89	
t-1,3-Dichloropropene	ND	1.8	0.54	0.89	
Ethylbenzene	ND	0.89	0.13	0.89	
2-Hexanone	ND	18	1.6	0.89	
Isopropylbenzene	ND	0.89	0.49	0.89	
p-Isopropyltoluene	ND	0.89	0.56	0.89	
Methylene Chloride	ND	8.9	1.2	0.89	
4-Methyl-2-Pentanone	ND	18	3.8	0.89	
Naphthalene	ND	8.9	0.72	0.89	
n-Propylbenzene	ND	1.8	0.45	0.89	
Styrene	ND	0.89	0.54	0.89	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	0.89	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.89	
Tetrachloroethene	ND	0.89	0.19	0.89	
Toluene	ND	0.89	0.46	0.89	
1,2,3-Trichlorobenzene	ND	1.8	0.81	0.89	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.89	
1,1,1-Trichloroethane	ND	0.89	0.20	0.89	
1,1,2-Trichloroethane	ND	0.89	0.32	0.89	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	0.89	
Trichloroethene	0.58	1.8	0.27	0.89	J
Trichlorofluoromethane	ND	8.9	0.33	0.89	
1,2,3-Trichloropropane	ND	1.8	0.74	0.89	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.89	
1,3,5-Trimethylbenzene	ND	1.8	0.49	0.89	
Vinyl Acetate	ND	8.9	4.2	0.89	
Vinyl Chloride	ND	0.89	0.45	0.89	
p/m-Xylene	ND	1.8	0.24	0.89	
o-Xylene	ND	0.89	0.50	0.89	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.89	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	112	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B87-10	**13-07-1333-20-C**	**07/19/13 09:05**	**Soil**	**GC/MS V V**	**07/19/13**	**07/30/13 00:32**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	5.0	0.794	
Benzene	0.12	0.79	0.10	0.794	J
Bromobenzene	ND	0.79	0.17	0.794	
Bromochloromethane	ND	1.6	0.55	0.794	
Bromodichloromethane	ND	0.79	0.18	0.794	
Bromoform	ND	4.0	0.63	0.794	
Bromomethane	ND	16	7.5	0.794	
2-Butanone	ND	16	3.0	0.794	
n-Butylbenzene	ND	0.79	0.12	0.794	
sec-Butylbenzene	ND	0.79	0.46	0.794	
tert-Butylbenzene	ND	0.79	0.12	0.794	
Carbon Disulfide	0.32	7.9	0.24	0.794	B,J
Carbon Tetrachloride	ND	0.79	0.22	0.794	
Chlorobenzene	ND	0.79	0.18	0.794	
Chloroethane	ND	1.6	1.2	0.794	
Chloroform	ND	0.79	0.19	0.794	
Chloromethane	0.48	16	0.24	0.794	J
2-Chlorotoluene	ND	0.79	0.18	0.794	
4-Chlorotoluene	ND	0.79	0.17	0.794	
Dibromochloromethane	ND	1.6	0.45	0.794	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.794	
1,2-Dibromoethane	ND	0.79	0.20	0.794	
Dibromomethane	ND	0.79	0.62	0.794	
1,2-Dichlorobenzene	ND	0.79	0.18	0.794	
1,3-Dichlorobenzene	ND	0.79	0.14	0.794	
1,4-Dichlorobenzene	ND	0.79	0.18	0.794	
Dichlorodifluoromethane	ND	1.6	0.35	0.794	
1,1-Dichloroethane	ND	0.79	0.17	0.794	
1,2-Dichloroethane	ND	0.79	0.25	0.794	
1,1-Dichloroethene	ND	0.79	0.27	0.794	
c-1,2-Dichloroethene	23	0.79	0.22	0.794	
t-1,2-Dichloroethene	0.61	0.79	0.40	0.794	J
1,2-Dichloropropane	ND	0.79	0.35	0.794	
1,3-Dichloropropane	ND	0.79	0.20	0.794	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	0.794	
1,1-Dichloropropene	ND	1.6	0.26	0.794	
c-1,3-Dichloropropene	ND	0.79	0.20	0.794	
t-1,3-Dichloropropene	ND	1.6	0.48	0.794	
Ethylbenzene	ND	0.79	0.12	0.794	
2-Hexanone	ND	16	1.4	0.794	
Isopropylbenzene	ND	0.79	0.43	0.794	
p-Isopropyltoluene	ND	0.79	0.50	0.794	
Methylene Chloride	ND	7.9	1.1	0.794	
4-Methyl-2-Pentanone	ND	16	3.4	0.794	
Naphthalene	ND	7.9	0.65	0.794	
n-Propylbenzene	ND	1.6	0.40	0.794	
Styrene	ND	0.79	0.48	0.794	
1,1,1,2-Tetrachloroethane	ND	0.79	0.19	0.794	
1,1,2,2-Tetrachloroethane	ND	1.6	0.27	0.794	
Tetrachloroethene	0.23	0.79	0.17	0.794	J
Toluene	ND	0.79	0.41	0.794	
1,2,3-Trichlorobenzene	ND	1.6	0.73	0.794	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.794	
1,1,1-Trichloroethane	ND	0.79	0.18	0.794	
1,1,2-Trichloroethane	ND	0.79	0.28	0.794	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.9	0.28	0.794	
Trichloroethene	1.3	1.6	0.24	0.794	J
Trichlorofluoromethane	ND	7.9	0.30	0.794	
1,2,3-Trichloropropane	ND	1.6	0.66	0.794	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.794	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.794	
Vinyl Acetate	ND	7.9	3.8	0.794	
Vinyl Chloride	ND	0.79	0.40	0.794	
p/m-Xylene	ND	1.6	0.21	0.794	
o-Xylene	ND	0.79	0.44	0.794	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.23	0.794	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B89-1	**13-07-1333-21-C**	**07/19/13 09:15**	**Soil**	**GC/MS V V**	**07/19/13**	**07/30/13 01:02**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	32	48	6.0	0.965	J
Benzene	0.49	0.96	0.13	0.965	J
Bromobenzene	ND	0.96	0.20	0.965	
Bromochloromethane	ND	1.9	0.67	0.965	
Bromodichloromethane	ND	0.96	0.22	0.965	
Bromoform	ND	4.8	0.77	0.965	
Bromomethane	ND	19	9.1	0.965	
2-Butanone	4.9	19	3.6	0.965	J
n-Butylbenzene	ND	0.96	0.15	0.965	
sec-Butylbenzene	ND	0.96	0.56	0.965	
tert-Butylbenzene	ND	0.96	0.15	0.965	
Carbon Disulfide	0.68	9.6	0.30	0.965	B,J
Carbon Tetrachloride	ND	0.96	0.27	0.965	
Chlorobenzene	ND	0.96	0.22	0.965	
Chloroethane	ND	1.9	1.4	0.965	
Chloroform	ND	0.96	0.23	0.965	
Chloromethane	ND	19	0.29	0.965	
2-Chlorotoluene	ND	0.96	0.22	0.965	
4-Chlorotoluene	ND	0.96	0.21	0.965	
Dibromochloromethane	ND	1.9	0.55	0.965	
1,2-Dibromo-3-Chloropropane	ND	4.8	1.7	0.965	
1,2-Dibromoethane	ND	0.96	0.25	0.965	
Dibromomethane	ND	0.96	0.75	0.965	
1,2-Dichlorobenzene	ND	0.96	0.22	0.965	
1,3-Dichlorobenzene	ND	0.96	0.17	0.965	
1,4-Dichlorobenzene	ND	0.96	0.21	0.965	
Dichlorodifluoromethane	ND	1.9	0.43	0.965	
1,1-Dichloroethane	ND	0.96	0.20	0.965	
1,2-Dichloroethane	ND	0.96	0.30	0.965	
1,1-Dichloroethene	ND	0.96	0.33	0.965	
c-1,2-Dichloroethene	28	0.96	0.27	0.965	
t-1,2-Dichloroethene	1.4	0.96	0.49	0.965	
1,2-Dichloropropane	ND	0.96	0.42	0.965	
1,3-Dichloropropane	ND	0.96	0.24	0.965	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.8	0.32	0.965	
1,1-Dichloropropene	ND	1.9	0.32	0.965	
c-1,3-Dichloropropene	ND	0.96	0.25	0.965	
t-1,3-Dichloropropene	ND	1.9	0.58	0.965	
Ethylbenzene	ND	0.96	0.15	0.965	
2-Hexanone	ND	19	1.7	0.965	
Isopropylbenzene	ND	0.96	0.53	0.965	
p-Isopropyltoluene	ND	0.96	0.61	0.965	
Methylene Chloride	ND	9.6	1.3	0.965	
4-Methyl-2-Pentanone	ND	19	4.2	0.965	
Naphthalene	ND	9.6	0.79	0.965	
n-Propylbenzene	ND	1.9	0.48	0.965	
Styrene	ND	0.96	0.58	0.965	
1,1,1,2-Tetrachloroethane	ND	0.96	0.23	0.965	
1,1,2,2-Tetrachloroethane	ND	1.9	0.33	0.965	
Tetrachloroethene	7.5	0.96	0.20	0.965	
Toluene	ND	0.96	0.50	0.965	
1,2,3-Trichlorobenzene	ND	1.9	0.88	0.965	
1,2,4-Trichlorobenzene	ND	1.9	0.30	0.965	
1,1,1-Trichloroethane	ND	0.96	0.22	0.965	
1,1,2-Trichloroethane	ND	0.96	0.34	0.965	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.6	0.34	0.965	
Trichloroethene	7.5	1.9	0.29	0.965	
Trichlorofluoromethane	ND	9.6	0.36	0.965	
1,2,3-Trichloropropane	ND	1.9	0.80	0.965	
1,2,4-Trimethylbenzene	ND	1.9	0.57	0.965	
1,3,5-Trimethylbenzene	ND	1.9	0.53	0.965	
Vinyl Acetate	ND	9.6	4.6	0.965	
Vinyl Chloride	ND	0.96	0.49	0.965	
p/m-Xylene	ND	1.9	0.26	0.965	
o-Xylene	ND	0.96	0.54	0.965	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.965	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B89-2.5	**13-07-1333-22-C**	**07/19/13 09:20**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 15:52**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	72	47	5.8	0.935	
Benzene	1.1	0.94	0.12	0.935	
Bromobenzene	ND	0.94	0.20	0.935	
Bromochloromethane	ND	1.9	0.65	0.935	
Bromodichloromethane	ND	0.94	0.22	0.935	
Bromoform	ND	4.7	0.74	0.935	
Bromomethane	ND	19	8.8	0.935	
2-Butanone	13	19	3.5	0.935	J
n-Butylbenzene	ND	0.94	0.15	0.935	
sec-Butylbenzene	ND	0.94	0.54	0.935	
tert-Butylbenzene	ND	0.94	0.14	0.935	
Carbon Disulfide	7.3	9.4	0.29	0.935	J
Carbon Tetrachloride	ND	0.94	0.26	0.935	
Chlorobenzene	ND	0.94	0.21	0.935	
Chloroethane	ND	1.9	1.4	0.935	
Chloroform	ND	0.94	0.22	0.935	
Chloromethane	ND	19	0.28	0.935	
2-Chlorotoluene	ND	0.94	0.22	0.935	
4-Chlorotoluene	ND	0.94	0.20	0.935	
Dibromochloromethane	ND	1.9	0.53	0.935	
1,2-Dibromo-3-Chloropropane	ND	4.7	1.6	0.935	
1,2-Dibromoethane	ND	0.94	0.24	0.935	
Dibromomethane	ND	0.94	0.72	0.935	
1,2-Dichlorobenzene	ND	0.94	0.21	0.935	
1,3-Dichlorobenzene	ND	0.94	0.16	0.935	
1,4-Dichlorobenzene	ND	0.94	0.21	0.935	
Dichlorodifluoromethane	ND	1.9	0.41	0.935	
1,1-Dichloroethane	0.30	0.94	0.20	0.935	J
1,2-Dichloroethane	ND	0.94	0.29	0.935	
1,1-Dichloroethene	ND	0.94	0.32	0.935	
c-1,2-Dichloroethene	94	0.94	0.26	0.935	
t-1,2-Dichloroethene	3.9	0.94	0.47	0.935	
1,2-Dichloropropane	ND	0.94	0.41	0.935	
1,3-Dichloropropane	ND	0.94	0.24	0.935	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.7	0.31	0.935	
1,1-Dichloropropene	ND	1.9	0.31	0.935	
c-1,3-Dichloropropene	ND	0.94	0.24	0.935	
t-1,3-Dichloropropene	ND	1.9	0.57	0.935	
Ethylbenzene	ND	0.94	0.14	0.935	
2-Hexanone	ND	19	1.6	0.935	
Isopropylbenzene	ND	0.94	0.51	0.935	
p-Isopropyltoluene	ND	0.94	0.59	0.935	
Methylene Chloride	ND	9.4	1.3	0.935	
4-Methyl-2-Pentanone	ND	19	4.0	0.935	
Naphthalene	ND	9.4	0.76	0.935	
n-Propylbenzene	ND	1.9	0.47	0.935	
Styrene	ND	0.94	0.57	0.935	
1,1,1,2-Tetrachloroethane	ND	0.94	0.22	0.935	
1,1,2,2-Tetrachloroethane	ND	1.9	0.32	0.935	
Tetrachloroethene	1.4	0.94	0.20	0.935	
Toluene	0.51	0.94	0.48	0.935	J
1,2,3-Trichlorobenzene	ND	1.9	0.85	0.935	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.935	
1,1,1-Trichloroethane	ND	0.94	0.21	0.935	
1,1,2-Trichloroethane	ND	0.94	0.33	0.935	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.4	0.33	0.935	
Trichloroethene	17	1.9	0.28	0.935	
Trichlorofluoromethane	ND	9.4	0.35	0.935	
1,2,3-Trichloropropane	ND	1.9	0.78	0.935	
1,2,4-Trimethylbenzene	ND	1.9	0.55	0.935	
1,3,5-Trimethylbenzene	ND	1.9	0.51	0.935	
Vinyl Acetate	ND	9.4	4.4	0.935	
Vinyl Chloride	ND	0.94	0.47	0.935	
p/m-Xylene	ND	1.9	0.25	0.935	
o-Xylene	ND	0.94	0.52	0.935	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.28	0.935	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	113	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B89-5	**13-07-1333-23-C**	**07/19/13 09:25**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 16:19**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	45	5.6	0.893	
Benzene	ND	0.89	0.12	0.893	
Bromobenzene	ND	0.89	0.19	0.893	
Bromochloromethane	ND	1.8	0.62	0.893	
Bromodichloromethane	ND	0.89	0.21	0.893	
Bromoform	ND	4.5	0.71	0.893	
Bromomethane	ND	18	8.4	0.893	
2-Butanone	ND	18	3.4	0.893	
n-Butylbenzene	ND	0.89	0.14	0.893	
sec-Butylbenzene	ND	0.89	0.52	0.893	
tert-Butylbenzene	ND	0.89	0.13	0.893	
Carbon Disulfide	0.46	8.9	0.27	0.893	J
Carbon Tetrachloride	ND	0.89	0.25	0.893	
Chlorobenzene	ND	0.89	0.20	0.893	
Chloroethane	ND	1.8	1.3	0.893	
Chloroform	ND	0.89	0.21	0.893	
Chloromethane	ND	18	0.27	0.893	
2-Chlorotoluene	ND	0.89	0.21	0.893	
4-Chlorotoluene	ND	0.89	0.19	0.893	
Dibromochloromethane	ND	1.8	0.51	0.893	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.6	0.893	
1,2-Dibromoethane	ND	0.89	0.23	0.893	
Dibromomethane	ND	0.89	0.69	0.893	
1,2-Dichlorobenzene	0.25	0.89	0.20	0.893	J
1,3-Dichlorobenzene	ND	0.89	0.16	0.893	
1,4-Dichlorobenzene	ND	0.89	0.20	0.893	
Dichlorodifluoromethane	ND	1.8	0.40	0.893	
1,1-Dichloroethane	ND	0.89	0.19	0.893	
1,2-Dichloroethane	ND	0.89	0.28	0.893	
1,1-Dichloroethene	ND	0.89	0.31	0.893	
c-1,2-Dichloroethene	26	0.89	0.25	0.893	
t-1,2-Dichloroethene	0.50	0.89	0.45	0.893	J
1,2-Dichloropropane	ND	0.89	0.39	0.893	
1,3-Dichloropropane	ND	0.89	0.23	0.893	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.5	0.30	0.893	
1,1-Dichloropropene	ND	1.8	0.29	0.893	
c-1,3-Dichloropropene	ND	0.89	0.23	0.893	
t-1,3-Dichloropropene	ND	1.8	0.54	0.893	
Ethylbenzene	ND	0.89	0.14	0.893	
2-Hexanone	ND	18	1.6	0.893	
Isopropylbenzene	ND	0.89	0.49	0.893	
p-Isopropyltoluene	ND	0.89	0.56	0.893	
Methylene Chloride	ND	8.9	1.2	0.893	
4-Methyl-2-Pentanone	ND	18	3.9	0.893	
Naphthalene	ND	8.9	0.73	0.893	
n-Propylbenzene	ND	1.8	0.45	0.893	
Styrene	ND	0.89	0.54	0.893	
1,1,1,2-Tetrachloroethane	ND	0.89	0.21	0.893	
1,1,2,2-Tetrachloroethane	ND	1.8	0.31	0.893	
Tetrachloroethene	0.21	0.89	0.19	0.893	J
Toluene	ND	0.89	0.46	0.893	
1,2,3-Trichlorobenzene	ND	1.8	0.82	0.893	
1,2,4-Trichlorobenzene	ND	1.8	0.28	0.893	
1,1,1-Trichloroethane	ND	0.89	0.20	0.893	
1,1,2-Trichloroethane	ND	0.89	0.32	0.893	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.9	0.31	0.893	
Trichloroethene	2.6	1.8	0.27	0.893	
Trichlorofluoromethane	ND	8.9	0.34	0.893	
1,2,3-Trichloropropane	ND	1.8	0.74	0.893	
1,2,4-Trimethylbenzene	ND	1.8	0.52	0.893	
1,3,5-Trimethylbenzene	ND	1.8	0.49	0.893	
Vinyl Acetate	ND	8.9	4.2	0.893	
Vinyl Chloride	ND	0.89	0.45	0.893	
p/m-Xylene	ND	1.8	0.24	0.893	
o-Xylene	ND	0.89	0.50	0.893	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	0.26	0.893	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	80-120	
Dibromofluoromethane	110	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	103	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B89-10	**13-07-1333-24-C**	**07/19/13 09:30**	**Soil**	**GC/MS V V**	**07/19/13**	**07/30/13 01:32**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	7.9	41	5.2	0.829	J
Benzene	0.13	0.83	0.11	0.829	J
Bromobenzene	ND	0.83	0.17	0.829	
Bromochloromethane	ND	1.7	0.57	0.829	
Bromodichloromethane	ND	0.83	0.19	0.829	
Bromoform	ND	4.1	0.66	0.829	
Bromomethane	ND	17	7.8	0.829	
2-Butanone	ND	17	3.1	0.829	
n-Butylbenzene	ND	0.83	0.13	0.829	
sec-Butylbenzene	ND	0.83	0.48	0.829	
tert-Butylbenzene	ND	0.83	0.13	0.829	
Carbon Disulfide	ND	8.3	0.25	0.829	
Carbon Tetrachloride	ND	0.83	0.23	0.829	
Chlorobenzene	ND	0.83	0.19	0.829	
Chloroethane	ND	1.7	1.2	0.829	
Chloroform	ND	0.83	0.20	0.829	
Chloromethane	0.32	17	0.25	0.829	J
2-Chlorotoluene	ND	0.83	0.19	0.829	
4-Chlorotoluene	ND	0.83	0.18	0.829	
Dibromochloromethane	ND	1.7	0.47	0.829	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.829	
1,2-Dibromoethane	ND	0.83	0.21	0.829	
Dibromomethane	ND	0.83	0.64	0.829	
1,2-Dichlorobenzene	0.97	0.83	0.19	0.829	
1,3-Dichlorobenzene	ND	0.83	0.15	0.829	
1,4-Dichlorobenzene	ND	0.83	0.18	0.829	
Dichlorodifluoromethane	ND	1.7	0.37	0.829	
1,1-Dichloroethane	ND	0.83	0.18	0.829	
1,2-Dichloroethane	ND	0.83	0.26	0.829	
1,1-Dichloroethene	ND	0.83	0.29	0.829	
c-1,2-Dichloroethene	21	0.83	0.23	0.829	
t-1,2-Dichloroethene	0.59	0.83	0.42	0.829	J
1,2-Dichloropropane	ND	0.83	0.36	0.829	
1,3-Dichloropropane	ND	0.83	0.21	0.829	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.829	
1,1-Dichloropropene	ND	1.7	0.27	0.829	
c-1,3-Dichloropropene	ND	0.83	0.21	0.829	
t-1,3-Dichloropropene	ND	1.7	0.50	0.829	
Ethylbenzene	ND	0.83	0.13	0.829	
2-Hexanone	ND	17	1.5	0.829	
Isopropylbenzene	ND	0.83	0.45	0.829	
p-Isopropyltoluene	ND	0.83	0.52	0.829	
Methylene Chloride	ND	8.3	1.1	0.829	
4-Methyl-2-Pentanone	ND	17	3.6	0.829	
Naphthalene	ND	8.3	0.67	0.829	
n-Propylbenzene	ND	1.7	0.42	0.829	
Styrene	ND	0.83	0.50	0.829	
1,1,1,2-Tetrachloroethane	ND	0.83	0.20	0.829	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.829	
Tetrachloroethene	1.2	0.83	0.17	0.829	
Toluene	ND	0.83	0.43	0.829	
1,2,3-Trichlorobenzene	ND	1.7	0.76	0.829	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.829	
1,1,1-Trichloroethane	ND	0.83	0.19	0.829	
1,1,2-Trichloroethane	ND	0.83	0.29	0.829	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.29	0.829	
Trichloroethene	5.2	1.7	0.25	0.829	
Trichlorofluoromethane	ND	8.3	0.31	0.829	
1,2,3-Trichloropropane	ND	1.7	0.69	0.829	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.829	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.829	
Vinyl Acetate	ND	8.3	3.9	0.829	
Vinyl Chloride	ND	0.83	0.42	0.829	
p/m-Xylene	ND	1.7	0.22	0.829	
o-Xylene	ND	0.83	0.46	0.829	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.24	0.829	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	113	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-1	**13-07-1333-25-C**	**07/19/13 09:35**	**Soil**	**GC/MS V V**	**07/19/13**	**07/30/13 02:01**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	33	42	5.2	0.832	J
Benzene	0.67	0.83	0.11	0.832	J
Bromobenzene	ND	0.83	0.17	0.832	
Bromochloromethane	ND	1.7	0.57	0.832	
Bromodichloromethane	ND	0.83	0.19	0.832	
Bromoform	ND	4.2	0.66	0.832	
Bromomethane	ND	17	7.8	0.832	
2-Butanone	3.7	17	3.1	0.832	J
n-Butylbenzene	ND	0.83	0.13	0.832	
sec-Butylbenzene	ND	0.83	0.48	0.832	
tert-Butylbenzene	ND	0.83	0.13	0.832	
Carbon Disulfide	3.4	8.3	0.25	0.832	B,J
Carbon Tetrachloride	ND	0.83	0.24	0.832	
Chlorobenzene	ND	0.83	0.19	0.832	
Chloroethane	ND	1.7	1.2	0.832	
Chloroform	ND	0.83	0.20	0.832	
Chloromethane	ND	17	0.25	0.832	
2-Chlorotoluene	ND	0.83	0.19	0.832	
4-Chlorotoluene	ND	0.83	0.18	0.832	
Dibromochloromethane	ND	1.7	0.47	0.832	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.4	0.832	
1,2-Dibromoethane	ND	0.83	0.21	0.832	
Dibromomethane	ND	0.83	0.64	0.832	
1,2-Dichlorobenzene	ND	0.83	0.19	0.832	
1,3-Dichlorobenzene	ND	0.83	0.15	0.832	
1,4-Dichlorobenzene	ND	0.83	0.18	0.832	
Dichlorodifluoromethane	ND	1.7	0.37	0.832	
1,1-Dichloroethane	ND	0.83	0.18	0.832	
1,2-Dichloroethane	ND	0.83	0.26	0.832	
1,1-Dichloroethene	ND	0.83	0.29	0.832	
c-1,2-Dichloroethene	ND	0.83	0.23	0.832	
t-1,2-Dichloroethene	ND	0.83	0.42	0.832	
1,2-Dichloropropane	ND	0.83	0.36	0.832	
1,3-Dichloropropane	ND	0.83	0.21	0.832	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.832	
1,1-Dichloropropene	ND	1.7	0.27	0.832	
c-1,3-Dichloropropene	ND	0.83	0.21	0.832	
t-1,3-Dichloropropene	ND	1.7	0.50	0.832	
Ethylbenzene	ND	0.83	0.13	0.832	
2-Hexanone	ND	17	1.5	0.832	
Isopropylbenzene	ND	0.83	0.45	0.832	
p-Isopropyltoluene	ND	0.83	0.52	0.832	
Methylene Chloride	ND	8.3	1.1	0.832	
4-Methyl-2-Pentanone	ND	17	3.6	0.832	
Naphthalene	ND	8.3	0.68	0.832	
n-Propylbenzene	ND	1.7	0.42	0.832	
Styrene	ND	0.83	0.50	0.832	
1,1,1,2-Tetrachloroethane	ND	0.83	0.20	0.832	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.832	
Tetrachloroethene	0.18	0.83	0.17	0.832	J
Toluene	ND	0.83	0.43	0.832	
1,2,3-Trichlorobenzene	ND	1.7	0.76	0.832	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.832	
1,1,1-Trichloroethane	ND	0.83	0.19	0.832	
1,1,2-Trichloroethane	ND	0.83	0.29	0.832	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.29	0.832	
Trichloroethene	ND	1.7	0.25	0.832	
Trichlorofluoromethane	ND	8.3	0.31	0.832	
1,2,3-Trichloropropane	ND	1.7	0.69	0.832	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.832	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.832	
Vinyl Acetate	ND	8.3	3.9	0.832	
Vinyl Chloride	ND	0.83	0.42	0.832	
p/m-Xylene	ND	1.7	0.22	0.832	
o-Xylene	ND	0.83	0.46	0.832	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.832	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	80-120	
Dibromofluoromethane	113	79-133	
1,2-Dichloroethane-d4	118	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/19/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1333
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 51 of 85

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-2.5	**13-07-1333-26-C**	**07/19/13 09:40**	**Soil**	**GC/MS V V**	**07/19/13**	**07/30/13 02:31**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	9.1	41	5.2	0.829	J
Benzene	ND	0.83	0.11	0.829	
Bromobenzene	ND	0.83	0.17	0.829	
Bromochloromethane	ND	1.7	0.57	0.829	
Bromodichloromethane	ND	0.83	0.19	0.829	
Bromoform	ND	4.1	0.66	0.829	
Bromomethane	ND	17	7.8	0.829	
2-Butanone	ND	17	3.1	0.829	
n-Butylbenzene	ND	0.83	0.13	0.829	
sec-Butylbenzene	ND	0.83	0.48	0.829	
tert-Butylbenzene	ND	0.83	0.13	0.829	
Carbon Disulfide	0.41	8.3	0.25	0.829	B,J
Carbon Tetrachloride	ND	0.83	0.23	0.829	
Chlorobenzene	ND	0.83	0.19	0.829	
Chloroethane	ND	1.7	1.2	0.829	
Chloroform	ND	0.83	0.20	0.829	
Chloromethane	ND	17	0.25	0.829	
2-Chlorotoluene	ND	0.83	0.19	0.829	
4-Chlorotoluene	ND	0.83	0.18	0.829	
Dibromochloromethane	ND	1.7	0.47	0.829	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.829	
1,2-Dibromoethane	ND	0.83	0.21	0.829	
Dibromomethane	ND	0.83	0.64	0.829	
1,2-Dichlorobenzene	ND	0.83	0.19	0.829	
1,3-Dichlorobenzene	ND	0.83	0.15	0.829	
1,4-Dichlorobenzene	ND	0.83	0.18	0.829	
Dichlorodifluoromethane	ND	1.7	0.37	0.829	
1,1-Dichloroethane	ND	0.83	0.18	0.829	
1,2-Dichloroethane	ND	0.83	0.26	0.829	
1,1-Dichloroethene	ND	0.83	0.29	0.829	
c-1,2-Dichloroethene	ND	0.83	0.23	0.829	
t-1,2-Dichloroethene	ND	0.83	0.42	0.829	
1,2-Dichloropropane	ND	0.83	0.36	0.829	
1,3-Dichloropropane	ND	0.83	0.21	0.829	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.829	
1,1-Dichloropropene	ND	1.7	0.27	0.829	
c-1,3-Dichloropropene	ND	0.83	0.21	0.829	
t-1,3-Dichloropropene	ND	1.7	0.50	0.829	
Ethylbenzene	ND	0.83	0.13	0.829	
2-Hexanone	ND	17	1.5	0.829	
Isopropylbenzene	ND	0.83	0.45	0.829	
p-Isopropyltoluene	ND	0.83	0.52	0.829	
Methylene Chloride	ND	8.3	1.1	0.829	
4-Methyl-2-Pentanone	ND	17	3.6	0.829	
Naphthalene	ND	8.3	0.67	0.829	
n-Propylbenzene	ND	1.7	0.42	0.829	
Styrene	ND	0.83	0.50	0.829	
1,1,1,2-Tetrachloroethane	ND	0.83	0.20	0.829	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.829	
Tetrachloroethene	ND	0.83	0.17	0.829	
Toluene	ND	0.83	0.43	0.829	
1,2,3-Trichlorobenzene	ND	1.7	0.76	0.829	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.829	
1,1,1-Trichloroethane	ND	0.83	0.19	0.829	
1,1,2-Trichloroethane	ND	0.83	0.29	0.829	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.3	0.29	0.829	
Trichloroethene	ND	1.7	0.25	0.829	
Trichlorofluoromethane	ND	8.3	0.31	0.829	
1,2,3-Trichloropropane	ND	1.7	0.69	0.829	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.829	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.829	
Vinyl Acetate	ND	8.3	3.9	0.829	
Vinyl Chloride	ND	0.83	0.42	0.829	
p/m-Xylene	ND	1.7	0.22	0.829	
o-Xylene	ND	0.83	0.46	0.829	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.24	0.829	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	107	79-133	
1,2-Dichloroethane-d4	116	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-5	**13-07-1333-27-D**	**07/19/13 09:45**	**Soil**	**GC/MS Z**	**07/19/13**	**07/25/13 13:45**	**130725L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	40	5.0	0.801	
Benzene	ND	0.80	0.10	0.801	
Bromobenzene	ND	0.80	0.17	0.801	
Bromochloromethane	ND	1.6	0.55	0.801	
Bromodichloromethane	ND	0.80	0.19	0.801	
Bromoform	ND	4.0	0.64	0.801	
Bromomethane	ND	16	7.5	0.801	
2-Butanone	ND	16	3.0	0.801	
n-Butylbenzene	ND	0.80	0.13	0.801	
sec-Butylbenzene	ND	0.80	0.46	0.801	
tert-Butylbenzene	ND	0.80	0.12	0.801	
Carbon Disulfide	ND	8.0	0.24	0.801	
Carbon Tetrachloride	ND	0.80	0.23	0.801	
Chlorobenzene	ND	0.80	0.18	0.801	
Chloroethane	ND	1.6	1.2	0.801	
Chloroform	ND	0.80	0.19	0.801	
Chloromethane	ND	16	0.24	0.801	
2-Chlorotoluene	ND	0.80	0.19	0.801	
4-Chlorotoluene	ND	0.80	0.17	0.801	
Dibromochloromethane	ND	1.6	0.46	0.801	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.801	
1,2-Dibromoethane	ND	0.80	0.20	0.801	
Dibromomethane	ND	0.80	0.62	0.801	
1,2-Dichlorobenzene	ND	0.80	0.18	0.801	
1,3-Dichlorobenzene	ND	0.80	0.14	0.801	
1,4-Dichlorobenzene	ND	0.80	0.18	0.801	
Dichlorodifluoromethane	ND	1.6	0.36	0.801	
1,1-Dichloroethane	ND	0.80	0.17	0.801	
1,2-Dichloroethane	ND	0.80	0.25	0.801	
1,1-Dichloroethene	ND	0.80	0.28	0.801	
c-1,2-Dichloroethene	ND	0.80	0.22	0.801	
t-1,2-Dichloroethene	ND	0.80	0.41	0.801	
1,2-Dichloropropane	ND	0.80	0.35	0.801	
1,3-Dichloropropane	ND	0.80	0.20	0.801	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.26	0.801	
1,1-Dichloropropene	ND	1.6	0.26	0.801	
c-1,3-Dichloropropene	ND	0.80	0.20	0.801	
t-1,3-Dichloropropene	ND	1.6	0.49	0.801	
Ethylbenzene	ND	0.80	0.12	0.801	
2-Hexanone	ND	16	1.4	0.801	
Isopropylbenzene	ND	0.80	0.44	0.801	
p-Isopropyltoluene	ND	0.80	0.50	0.801	
Methylene Chloride	ND	8.0	1.1	0.801	
4-Methyl-2-Pentanone	ND	16	3.5	0.801	
Naphthalene	ND	8.0	0.65	0.801	
n-Propylbenzene	ND	1.6	0.40	0.801	
Styrene	ND	0.80	0.48	0.801	
1,1,1,2-Tetrachloroethane	ND	0.80	0.19	0.801	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.801	
Tetrachloroethene	0.18	0.80	0.17	0.801	J
Toluene	ND	0.80	0.41	0.801	
1,2,3-Trichlorobenzene	ND	1.6	0.73	0.801	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.801	
1,1,1-Trichloroethane	ND	0.80	0.18	0.801	
1,1,2-Trichloroethane	ND	0.80	0.28	0.801	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.0	0.28	0.801	
Trichloroethene	ND	1.6	0.24	0.801	
Trichlorofluoromethane	ND	8.0	0.30	0.801	
1,2,3-Trichloropropane	ND	1.6	0.67	0.801	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.801	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.801	
Vinyl Acetate	ND	8.0	3.8	0.801	
Vinyl Chloride	ND	0.80	0.40	0.801	
p/m-Xylene	ND	1.6	0.21	0.801	
o-Xylene	ND	0.80	0.45	0.801	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.801	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	104	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B90-10	**13-07-1333-28-C**	**07/19/13 09:50**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 20:53**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	7.8	41	5.1	0.813	J
Benzene	ND	0.81	0.11	0.813	
Bromobenzene	ND	0.81	0.17	0.813	
Bromochloromethane	ND	1.6	0.56	0.813	
Bromodichloromethane	ND	0.81	0.19	0.813	
Bromoform	ND	4.1	0.65	0.813	
Bromomethane	ND	16	7.7	0.813	
2-Butanone	ND	16	3.1	0.813	
n-Butylbenzene	ND	0.81	0.13	0.813	
sec-Butylbenzene	ND	0.81	0.47	0.813	
tert-Butylbenzene	ND	0.81	0.12	0.813	
Carbon Disulfide	ND	8.1	0.25	0.813	
Carbon Tetrachloride	ND	0.81	0.23	0.813	
Chlorobenzene	ND	0.81	0.18	0.813	
Chloroethane	ND	1.6	1.2	0.813	
Chloroform	ND	0.81	0.19	0.813	
Chloromethane	ND	16	0.25	0.813	
2-Chlorotoluene	ND	0.81	0.19	0.813	
4-Chlorotoluene	ND	0.81	0.17	0.813	
Dibromochloromethane	ND	1.6	0.46	0.813	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.813	
1,2-Dibromoethane	ND	0.81	0.21	0.813	
Dibromomethane	ND	0.81	0.63	0.813	
1,2-Dichlorobenzene	ND	0.81	0.19	0.813	
1,3-Dichlorobenzene	ND	0.81	0.14	0.813	
1,4-Dichlorobenzene	ND	0.81	0.18	0.813	
Dichlorodifluoromethane	ND	1.6	0.36	0.813	
1,1-Dichloroethane	ND	0.81	0.17	0.813	
1,2-Dichloroethane	ND	0.81	0.26	0.813	
1,1-Dichloroethene	ND	0.81	0.28	0.813	
c-1,2-Dichloroethene	ND	0.81	0.23	0.813	
t-1,2-Dichloroethene	ND	0.81	0.41	0.813	
1,2-Dichloropropane	ND	0.81	0.36	0.813	
1,3-Dichloropropane	ND	0.81	0.21	0.813	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.813	
1,1-Dichloropropene	ND	1.6	0.27	0.813	
c-1,3-Dichloropropene	ND	0.81	0.21	0.813	
t-1,3-Dichloropropene	ND	1.6	0.49	0.813	
Ethylbenzene	ND	0.81	0.12	0.813	
2-Hexanone	ND	16	1.4	0.813	
Isopropylbenzene	ND	0.81	0.44	0.813	
p-Isopropyltoluene	ND	0.81	0.51	0.813	
Methylene Chloride	ND	8.1	1.1	0.813	
4-Methyl-2-Pentanone	ND	16	3.5	0.813	
Naphthalene	ND	8.1	0.66	0.813	
n-Propylbenzene	ND	1.6	0.41	0.813	
Styrene	ND	0.81	0.49	0.813	
1,1,1,2-Tetrachloroethane	ND	0.81	0.20	0.813	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.813	
Tetrachloroethene	0.40	0.81	0.17	0.813	J
Toluene	ND	0.81	0.42	0.813	
1,2,3-Trichlorobenzene	ND	1.6	0.74	0.813	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.813	
1,1,1-Trichloroethane	ND	0.81	0.18	0.813	
1,1,2-Trichloroethane	ND	0.81	0.29	0.813	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.29	0.813	
Trichloroethene	0.36	1.6	0.24	0.813	J
Trichlorofluoromethane	ND	8.1	0.31	0.813	
1,2,3-Trichloropropane	ND	1.6	0.67	0.813	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.813	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.813	
Vinyl Acetate	ND	8.1	3.9	0.813	
Vinyl Chloride	ND	0.81	0.41	0.813	
p/m-Xylene	0.26	1.6	0.22	0.813	J
o-Xylene	ND	0.81	0.45	0.813	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.813	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	95	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-1	**13-07-1333-29-C**	**07/19/13 11:10**	**Soil**	**GC/MS V V**	**07/19/13**	**07/30/13 03:01**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	35	42	5.2	0.839	J
Benzene	0.53	0.84	0.11	0.839	J
Bromobenzene	ND	0.84	0.18	0.839	
Bromochloromethane	ND	1.7	0.58	0.839	
Bromodichloromethane	ND	0.84	0.20	0.839	
Bromoform	ND	4.2	0.67	0.839	
Bromomethane	ND	17	7.9	0.839	
2-Butanone	4.9	17	3.2	0.839	J
n-Butylbenzene	ND	0.84	0.13	0.839	
sec-Butylbenzene	ND	0.84	0.48	0.839	
tert-Butylbenzene	ND	0.84	0.13	0.839	
Carbon Disulfide	0.31	8.4	0.26	0.839	B,J
Carbon Tetrachloride	ND	0.84	0.24	0.839	
Chlorobenzene	ND	0.84	0.19	0.839	
Chloroethane	ND	1.7	1.3	0.839	
Chloroform	ND	0.84	0.20	0.839	
Chloromethane	ND	17	0.26	0.839	
2-Chlorotoluene	ND	0.84	0.19	0.839	
4-Chlorotoluene	ND	0.84	0.18	0.839	
Dibromochloromethane	ND	1.7	0.48	0.839	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.5	0.839	
1,2-Dibromoethane	ND	0.84	0.21	0.839	
Dibromomethane	ND	0.84	0.65	0.839	
1,2-Dichlorobenzene	0.79	0.84	0.19	0.839	J
1,3-Dichlorobenzene	ND	0.84	0.15	0.839	
1,4-Dichlorobenzene	ND	0.84	0.19	0.839	
Dichlorodifluoromethane	ND	1.7	0.37	0.839	
1,1-Dichloroethane	ND	0.84	0.18	0.839	
1,2-Dichloroethane	ND	0.84	0.26	0.839	
1,1-Dichloroethene	ND	0.84	0.29	0.839	
c-1,2-Dichloroethene	38	0.84	0.23	0.839	
t-1,2-Dichloroethene	0.80	0.84	0.42	0.839	J
1,2-Dichloropropane	ND	0.84	0.37	0.839	
1,3-Dichloropropane	ND	0.84	0.21	0.839	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.2	0.28	0.839	
1,1-Dichloropropene	ND	1.7	0.28	0.839	
c-1,3-Dichloropropene	ND	0.84	0.21	0.839	
t-1,3-Dichloropropene	ND	1.7	0.51	0.839	
Ethylbenzene	ND	0.84	0.13	0.839	
2-Hexanone	ND	17	1.5	0.839	
Isopropylbenzene	ND	0.84	0.46	0.839	
p-Isopropyltoluene	ND	0.84	0.53	0.839	
Methylene Chloride	ND	8.4	1.1	0.839	
4-Methyl-2-Pentanone	ND	17	3.6	0.839	
Naphthalene	ND	8.4	0.68	0.839	
n-Propylbenzene	ND	1.7	0.42	0.839	
Styrene	ND	0.84	0.51	0.839	
1,1,1,2-Tetrachloroethane	ND	0.84	0.20	0.839	
1,1,2,2-Tetrachloroethane	ND	1.7	0.29	0.839	
Tetrachloroethene	0.63	0.84	0.18	0.839	J
Toluene	ND	0.84	0.43	0.839	
1,2,3-Trichlorobenzene	ND	1.7	0.77	0.839	
1,2,4-Trichlorobenzene	ND	1.7	0.26	0.839	
1,1,1-Trichloroethane	ND	0.84	0.19	0.839	
1,1,2-Trichloroethane	ND	0.84	0.30	0.839	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	0.30	0.839	
Trichloroethene	0.38	1.7	0.25	0.839	J
Trichlorofluoromethane	ND	8.4	0.31	0.839	
1,2,3-Trichloropropane	ND	1.7	0.70	0.839	
1,2,4-Trimethylbenzene	ND	1.7	0.49	0.839	
1,3,5-Trimethylbenzene	ND	1.7	0.46	0.839	
Vinyl Acetate	ND	8.4	4.0	0.839	
Vinyl Chloride	ND	0.84	0.42	0.839	
p/m-Xylene	ND	1.7	0.22	0.839	
o-Xylene	ND	0.84	0.47	0.839	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.25	0.839	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	80-120	
Dibromofluoromethane	109	79-133	
1,2-Dichloroethane-d4	115	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/19/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1333
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 59 of 85

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-2.5	**13-07-1333-30-C**	**07/19/13 11:15**	**Soil**	**GC/MS Z**	**07/19/13**	**07/24/13 21:21**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	62	46	5.8	0.928	
Benzene	2.9	0.93	0.12	0.928	
Bromobenzene	ND	0.93	0.19	0.928	
Bromochloromethane	ND	1.9	0.64	0.928	
Bromodichloromethane	ND	0.93	0.22	0.928	
Bromoform	ND	4.6	0.74	0.928	
Bromomethane	ND	19	8.7	0.928	
2-Butanone	12	19	3.5	0.928	J
n-Butylbenzene	ND	0.93	0.15	0.928	
sec-Butylbenzene	ND	0.93	0.54	0.928	
tert-Butylbenzene	ND	0.93	0.14	0.928	
Carbon Disulfide	1.5	9.3	0.28	0.928	J
Carbon Tetrachloride	ND	0.93	0.26	0.928	
Chlorobenzene	0.22	0.93	0.21	0.928	J
Chloroethane	ND	1.9	1.4	0.928	
Chloroform	ND	0.93	0.22	0.928	
Chloromethane	ND	19	0.28	0.928	
2-Chlorotoluene	ND	0.93	0.21	0.928	
4-Chlorotoluene	ND	0.93	0.20	0.928	
Dibromochloromethane	ND	1.9	0.53	0.928	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.6	0.928	
1,2-Dibromoethane	ND	0.93	0.24	0.928	
Dibromomethane	ND	0.93	0.72	0.928	
1,2-Dichlorobenzene	16	0.93	0.21	0.928	
1,3-Dichlorobenzene	ND	0.93	0.16	0.928	
1,4-Dichlorobenzene	0.36	0.93	0.21	0.928	J
Dichlorodifluoromethane	ND	1.9	0.41	0.928	
1,1-Dichloroethane	0.37	0.93	0.20	0.928	J
1,2-Dichloroethane	ND	0.93	0.29	0.928	
1,1-Dichloroethene	0.60	0.93	0.32	0.928	J
c-1,2-Dichloroethene	230	0.93	0.26	0.928	E
t-1,2-Dichloroethene	5.6	0.93	0.47	0.928	
1,2-Dichloropropane	ND	0.93	0.41	0.928	
1,3-Dichloropropane	ND	0.93	0.23	0.928	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.6	0.31	0.928	
1,1-Dichloropropene	ND	1.9	0.30	0.928	
c-1,3-Dichloropropene	ND	0.93	0.24	0.928	
t-1,3-Dichloropropene	ND	1.9	0.56	0.928	
Ethylbenzene	0.20	0.93	0.14	0.928	J
2-Hexanone	ND	19	1.6	0.928	
Isopropylbenzene	ND	0.93	0.51	0.928	
p-Isopropyltoluene	ND	0.93	0.58	0.928	
Methylene Chloride	ND	9.3	1.2	0.928	
4-Methyl-2-Pentanone	ND	19	4.0	0.928	
Naphthalene	ND	9.3	0.76	0.928	
n-Propylbenzene	ND	1.9	0.47	0.928	
Styrene	ND	0.93	0.56	0.928	
1,1,1,2-Tetrachloroethane	ND	0.93	0.22	0.928	
1,1,2,2-Tetrachloroethane	ND	1.9	0.32	0.928	
Tetrachloroethene	0.79	0.93	0.19	0.928	J
Toluene	1.5	0.93	0.48	0.928	
1,2,3-Trichlorobenzene	ND	1.9	0.85	0.928	
1,2,4-Trichlorobenzene	ND	1.9	0.29	0.928	
1,1,1-Trichloroethane	ND	0.93	0.21	0.928	
1,1,2-Trichloroethane	ND	0.93	0.33	0.928	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.3	0.33	0.928	
Trichloroethene	0.60	1.9	0.28	0.928	J
Trichlorofluoromethane	ND	9.3	0.35	0.928	
1,2,3-Trichloropropane	ND	1.9	0.77	0.928	
1,2,4-Trimethylbenzene	ND	1.9	0.54	0.928	
1,3,5-Trimethylbenzene	ND	1.9	0.51	0.928	
Vinyl Acetate	ND	9.3	4.4	0.928	
Vinyl Chloride	ND	0.93	0.47	0.928	
p/m-Xylene	0.33	1.9	0.25	0.928	J
o-Xylene	ND	0.93	0.52	0.928	
Methyl-t-Butyl Ether (MTBE)	ND	1.9	0.27	0.928	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental		Date Received:	07/19/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1333
Long Beach, CA 90802-3335		Preparation:	EPA 5035
		Method:	EPA 8260B
		Units:	ug/kg
Project: Panama Site / MCGU-13-2252			Page 61 of 85

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-2.5	**13-07-1333-30-E**	**07/19/13 11:15**	**Soil**	**GC/MS Z**	**07/19/13**	**07/25/13 16:02**	**130725L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
c-1,2-Dichloroethene	920	49	14	49.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	80-120	
Dibromofluoromethane	99	79-133	
1,2-Dichloroethane-d4	94	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-5	**13-07-1333-31-C**	**07/19/13 11:20**	**Soil**	**GC/MS Z**	**07/19/13**	**07/25/13 14:12**	**130725L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	9.3	43	5.4	0.867	J
Benzene	ND	0.87	0.11	0.867	
Bromobenzene	ND	0.87	0.18	0.867	
Bromochloromethane	ND	1.7	0.60	0.867	
Bromodichloromethane	ND	0.87	0.20	0.867	
Bromoform	ND	4.3	0.69	0.867	
Bromomethane	ND	17	8.2	0.867	
2-Butanone	ND	17	3.3	0.867	
n-Butylbenzene	ND	0.87	0.14	0.867	
sec-Butylbenzene	ND	0.87	0.50	0.867	
tert-Butylbenzene	ND	0.87	0.13	0.867	
Carbon Disulfide	ND	8.7	0.27	0.867	
Carbon Tetrachloride	ND	0.87	0.25	0.867	
Chlorobenzene	ND	0.87	0.19	0.867	
Chloroethane	ND	1.7	1.3	0.867	
Chloroform	ND	0.87	0.21	0.867	
Chloromethane	ND	17	0.26	0.867	
2-Chlorotoluene	ND	0.87	0.20	0.867	
4-Chlorotoluene	ND	0.87	0.18	0.867	
Dibromochloromethane	ND	1.7	0.49	0.867	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.5	0.867	
1,2-Dibromoethane	ND	0.87	0.22	0.867	
Dibromomethane	ND	0.87	0.67	0.867	
1,2-Dichlorobenzene	4.6	0.87	0.20	0.867	
1,3-Dichlorobenzene	ND	0.87	0.15	0.867	
1,4-Dichlorobenzene	ND	0.87	0.19	0.867	
Dichlorodifluoromethane	ND	1.7	0.38	0.867	
1,1-Dichloroethane	ND	0.87	0.18	0.867	
1,2-Dichloroethane	ND	0.87	0.27	0.867	
1,1-Dichloroethene	ND	0.87	0.30	0.867	
c-1,2-Dichloroethene	29	0.87	0.24	0.867	
t-1,2-Dichloroethene	ND	0.87	0.44	0.867	
1,2-Dichloropropane	ND	0.87	0.38	0.867	
1,3-Dichloropropane	ND	0.87	0.22	0.867	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.3	0.29	0.867	
1,1-Dichloropropene	ND	1.7	0.28	0.867	
c-1,3-Dichloropropene	ND	0.87	0.22	0.867	
t-1,3-Dichloropropene	ND	1.7	0.53	0.867	
Ethylbenzene	ND	0.87	0.13	0.867	
2-Hexanone	ND	17	1.5	0.867	
Isopropylbenzene	ND	0.87	0.47	0.867	
p-Isopropyltoluene	ND	0.87	0.55	0.867	
Methylene Chloride	ND	8.7	1.2	0.867	
4-Methyl-2-Pentanone	ND	17	3.7	0.867	
Naphthalene	ND	8.7	0.71	0.867	
n-Propylbenzene	ND	1.7	0.44	0.867	
Styrene	ND	0.87	0.52	0.867	
1,1,1,2-Tetrachloroethane	ND	0.87	0.21	0.867	
1,1,2,2-Tetrachloroethane	ND	1.7	0.30	0.867	
Tetrachloroethene	ND	0.87	0.18	0.867	
Toluene	ND	0.87	0.45	0.867	
1,2,3-Trichlorobenzene	ND	1.7	0.79	0.867	
1,2,4-Trichlorobenzene	ND	1.7	0.27	0.867	
1,1,1-Trichloroethane	ND	0.87	0.20	0.867	
1,1,2-Trichloroethane	ND	0.87	0.31	0.867	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.7	0.31	0.867	
Trichloroethene	0.90	1.7	0.26	0.867	J
Trichlorofluoromethane	ND	8.7	0.33	0.867	
1,2,3-Trichloropropane	ND	1.7	0.72	0.867	
1,2,4-Trimethylbenzene	ND	1.7	0.51	0.867	
1,3,5-Trimethylbenzene	ND	1.7	0.48	0.867	
Vinyl Acetate	ND	8.7	4.1	0.867	
Vinyl Chloride	ND	0.87	0.44	0.867	
p/m-Xylene	ND	1.7	0.23	0.867	
o-Xylene	ND	0.87	0.48	0.867	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	0.26	0.867	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	101	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B83-10	**13-07-1333-32-D**	**07/19/13 11:25**	**Soil**	**GC/MS PP**	**07/19/13**	**07/30/13 20:26**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	6.6	41	5.1	0.813	J
Benzene	0.16	0.81	0.11	0.813	B,J
Bromobenzene	ND	0.81	0.17	0.813	
Bromochloromethane	ND	1.6	0.56	0.813	
Bromodichloromethane	ND	0.81	0.19	0.813	
Bromoform	ND	4.1	0.65	0.813	
Bromomethane	ND	16	7.7	0.813	
2-Butanone	ND	16	3.1	0.813	
n-Butylbenzene	ND	0.81	0.13	0.813	
sec-Butylbenzene	ND	0.81	0.47	0.813	
tert-Butylbenzene	ND	0.81	0.12	0.813	
Carbon Disulfide	ND	8.1	0.25	0.813	
Carbon Tetrachloride	ND	0.81	0.23	0.813	
Chlorobenzene	ND	0.81	0.18	0.813	
Chloroethane	ND	1.6	1.2	0.813	
Chloroform	ND	0.81	0.19	0.813	
Chloromethane	ND	16	0.25	0.813	
2-Chlorotoluene	ND	0.81	0.19	0.813	
4-Chlorotoluene	ND	0.81	0.17	0.813	
Dibromochloromethane	ND	1.6	0.46	0.813	
1,2-Dibromo-3-Chloropropane	ND	4.1	1.4	0.813	
1,2-Dibromoethane	ND	0.81	0.21	0.813	
Dibromomethane	ND	0.81	0.63	0.813	
1,2-Dichlorobenzene	8.5	0.81	0.19	0.813	
1,3-Dichlorobenzene	ND	0.81	0.14	0.813	
1,4-Dichlorobenzene	0.52	0.81	0.18	0.813	J
Dichlorodifluoromethane	ND	1.6	0.36	0.813	
1,1-Dichloroethane	ND	0.81	0.17	0.813	
1,2-Dichloroethane	ND	0.81	0.26	0.813	
1,1-Dichloroethene	ND	0.81	0.28	0.813	
c-1,2-Dichloroethene	7.1	0.81	0.23	0.813	
t-1,2-Dichloroethene	ND	0.81	0.41	0.813	
1,2-Dichloropropane	ND	0.81	0.36	0.813	
1,3-Dichloropropane	ND	0.81	0.21	0.813	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.1	0.27	0.813	
1,1-Dichloropropene	ND	1.6	0.27	0.813	
c-1,3-Dichloropropene	ND	0.81	0.21	0.813	
t-1,3-Dichloropropene	ND	1.6	0.49	0.813	
Ethylbenzene	ND	0.81	0.12	0.813	
2-Hexanone	ND	16	1.4	0.813	
Isopropylbenzene	ND	0.81	0.44	0.813	
p-Isopropyltoluene	ND	0.81	0.51	0.813	
Methylene Chloride	ND	8.1	1.1	0.813	
4-Methyl-2-Pentanone	ND	16	3.5	0.813	
Naphthalene	ND	8.1	0.66	0.813	
n-Propylbenzene	ND	1.6	0.41	0.813	
Styrene	ND	0.81	0.49	0.813	
1,1,1,2-Tetrachloroethane	ND	0.81	0.20	0.813	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.813	
Tetrachloroethene	0.84	0.81	0.17	0.813	
Toluene	ND	0.81	0.42	0.813	
1,2,3-Trichlorobenzene	ND	1.6	0.74	0.813	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.813	
1,1,1-Trichloroethane	ND	0.81	0.18	0.813	
1,1,2-Trichloroethane	ND	0.81	0.29	0.813	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.29	0.813	
Trichloroethene	2.8	1.6	0.24	0.813	
Trichlorofluoromethane	ND	8.1	0.31	0.813	
1,2,3-Trichloropropane	ND	1.6	0.67	0.813	
1,2,4-Trimethylbenzene	ND	1.6	0.48	0.813	
1,3,5-Trimethylbenzene	ND	1.6	0.45	0.813	
Vinyl Acetate	ND	8.1	3.9	0.813	
Vinyl Chloride	ND	0.81	0.41	0.813	
p/m-Xylene	ND	1.6	0.22	0.813	
o-Xylene	ND	0.81	0.45	0.813	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.813	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	102	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-1	**13-07-1333-33-D**	**07/19/13 12:00**	**Soil**	**GC/MS PP**	**07/19/13**	**07/30/13 21:19**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	96	49	6.1	0.977	
Benzene	0.27	0.98	0.13	0.977	B,J
Bromobenzene	ND	0.98	0.20	0.977	
Bromochloromethane	ND	2.0	0.67	0.977	
Bromodichloromethane	ND	0.98	0.23	0.977	
Bromoform	ND	4.9	0.78	0.977	
Bromomethane	ND	20	9.2	0.977	
2-Butanone	5.9	20	3.7	0.977	J
n-Butylbenzene	ND	0.98	0.15	0.977	
sec-Butylbenzene	ND	0.98	0.56	0.977	
tert-Butylbenzene	ND	0.98	0.15	0.977	
Carbon Disulfide	ND	9.8	0.30	0.977	
Carbon Tetrachloride	ND	0.98	0.28	0.977	
Chlorobenzene	ND	0.98	0.22	0.977	
Chloroethane	ND	2.0	1.5	0.977	
Chloroform	ND	0.98	0.23	0.977	
Chloromethane	ND	20	0.30	0.977	
2-Chlorotoluene	ND	0.98	0.23	0.977	
4-Chlorotoluene	ND	0.98	0.21	0.977	
Dibromochloromethane	ND	2.0	0.56	0.977	
1,2-Dibromo-3-Chloropropane	ND	4.9	1.7	0.977	
1,2-Dibromoethane	ND	0.98	0.25	0.977	
Dibromomethane	ND	0.98	0.76	0.977	
1,2-Dichlorobenzene	ND	0.98	0.22	0.977	
1,3-Dichlorobenzene	ND	0.98	0.17	0.977	
1,4-Dichlorobenzene	ND	0.98	0.22	0.977	
Dichlorodifluoromethane	ND	2.0	0.43	0.977	
1,1-Dichloroethane	ND	0.98	0.21	0.977	
1,2-Dichloroethane	ND	0.98	0.31	0.977	
1,1-Dichloroethene	ND	0.98	0.34	0.977	
c-1,2-Dichloroethene	ND	0.98	0.27	0.977	
t-1,2-Dichloroethene	ND	0.98	0.49	0.977	
1,2-Dichloropropane	ND	0.98	0.43	0.977	
1,3-Dichloropropane	ND	0.98	0.25	0.977	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.9	0.32	0.977	
1,1-Dichloropropene	ND	2.0	0.32	0.977	
c-1,3-Dichloropropene	ND	0.98	0.25	0.977	
t-1,3-Dichloropropene	ND	2.0	0.59	0.977	
Ethylbenzene	ND	0.98	0.15	0.977	
2-Hexanone	ND	20	1.7	0.977	
Isopropylbenzene	ND	0.98	0.53	0.977	
p-Isopropyltoluene	ND	0.98	0.62	0.977	
Methylene Chloride	ND	9.8	1.3	0.977	
4-Methyl-2-Pentanone	ND	20	4.2	0.977	
Naphthalene	ND	9.8	0.80	0.977	
n-Propylbenzene	ND	2.0	0.49	0.977	
Styrene	ND	0.98	0.59	0.977	
1,1,1,2-Tetrachloroethane	ND	0.98	0.23	0.977	
1,1,2,2-Tetrachloroethane	ND	2.0	0.34	0.977	
Tetrachloroethene	2.1	0.98	0.20	0.977	
Toluene	ND	0.98	0.50	0.977	
1,2,3-Trichlorobenzene	ND	2.0	0.89	0.977	
1,2,4-Trichlorobenzene	ND	2.0	0.30	0.977	
1,1,1-Trichloroethane	ND	0.98	0.22	0.977	
1,1,2-Trichloroethane	ND	0.98	0.35	0.977	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.8	0.34	0.977	
Trichloroethene	ND	2.0	0.29	0.977	
Trichlorofluoromethane	ND	9.8	0.37	0.977	
1,2,3-Trichloropropane	ND	2.0	0.81	0.977	
1,2,4-Trimethylbenzene	ND	2.0	0.57	0.977	
1,3,5-Trimethylbenzene	ND	2.0	0.54	0.977	
Vinyl Acetate	ND	9.8	4.6	0.977	
Vinyl Chloride	ND	0.98	0.49	0.977	
p/m-Xylene	ND	2.0	0.26	0.977	
o-Xylene	ND	0.98	0.54	0.977	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.29	0.977	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	80-120	
Dibromofluoromethane	100	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-2.5	**13-07-1333-34-C**	**07/19/13 12:05**	**Soil**	**GC/MS Z**	**07/19/13**	**07/25/13 14:39**	**130725L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	12	51	6.4	1.02	J
Benzene	ND	1.0	0.13	1.02	
Bromobenzene	ND	1.0	0.21	1.02	
Bromochloromethane	ND	2.0	0.70	1.02	
Bromodichloromethane	ND	1.0	0.24	1.02	
Bromoform	ND	5.1	0.81	1.02	
Bromomethane	ND	20	9.6	1.02	
2-Butanone	ND	20	3.8	1.02	
n-Butylbenzene	ND	1.0	0.16	1.02	
sec-Butylbenzene	ND	1.0	0.59	1.02	
tert-Butylbenzene	ND	1.0	0.15	1.02	
Carbon Disulfide	ND	10	0.31	1.02	
Carbon Tetrachloride	ND	1.0	0.29	1.02	
Chlorobenzene	ND	1.0	0.23	1.02	
Chloroethane	ND	2.0	1.5	1.02	
Chloroform	ND	1.0	0.24	1.02	
Chloromethane	ND	20	0.31	1.02	
2-Chlorotoluene	ND	1.0	0.24	1.02	
4-Chlorotoluene	ND	1.0	0.22	1.02	
Dibromochloromethane	ND	2.0	0.58	1.02	
1,2-Dibromo-3-Chloropropane	ND	5.1	1.8	1.02	
1,2-Dibromoethane	ND	1.0	0.26	1.02	
Dibromomethane	ND	1.0	0.79	1.02	
1,2-Dichlorobenzene	ND	1.0	0.23	1.02	
1,3-Dichlorobenzene	ND	1.0	0.18	1.02	
1,4-Dichlorobenzene	ND	1.0	0.23	1.02	
Dichlorodifluoromethane	ND	2.0	0.45	1.02	
1,1-Dichloroethane	ND	1.0	0.22	1.02	
1,2-Dichloroethane	ND	1.0	0.32	1.02	
1,1-Dichloroethene	ND	1.0	0.35	1.02	
c-1,2-Dichloroethene	ND	1.0	0.29	1.02	
t-1,2-Dichloroethene	ND	1.0	0.52	1.02	
1,2-Dichloropropane	ND	1.0	0.45	1.02	
1,3-Dichloropropane	ND	1.0	0.26	1.02	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.1	0.34	1.02	
1,1-Dichloropropene	ND	2.0	0.33	1.02	
c-1,3-Dichloropropene	ND	1.0	0.26	1.02	
t-1,3-Dichloropropene	ND	2.0	0.62	1.02	
Ethylbenzene	ND	1.0	0.15	1.02	
2-Hexanone	ND	20	1.8	1.02	
Isopropylbenzene	ND	1.0	0.56	1.02	
p-Isopropyltoluene	ND	1.0	0.64	1.02	
Methylene Chloride	ND	10	1.4	1.02	
4-Methyl-2-Pentanone	ND	20	4.4	1.02	
Naphthalene	ND	10	0.83	1.02	
n-Propylbenzene	ND	2.0	0.51	1.02	
Styrene	ND	1.0	0.62	1.02	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1.02	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1.02	
Tetrachloroethene	0.30	1.0	0.21	1.02	J
Toluene	ND	1.0	0.53	1.02	
1,2,3-Trichlorobenzene	ND	2.0	0.93	1.02	
1,2,4-Trichlorobenzene	ND	2.0	0.32	1.02	
1,1,1-Trichloroethane	ND	1.0	0.23	1.02	
1,1,2-Trichloroethane	ND	1.0	0.36	1.02	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.36	1.02	
Trichloroethene	ND	2.0	0.31	1.02	
Trichlorofluoromethane	ND	10	0.38	1.02	
1,2,3-Trichloropropane	ND	2.0	0.85	1.02	
1,2,4-Trimethylbenzene	ND	2.0	0.60	1.02	
1,3,5-Trimethylbenzene	ND	2.0	0.56	1.02	
Vinyl Acetate	ND	10	4.8	1.02	
Vinyl Chloride	ND	1.0	0.51	1.02	
p/m-Xylene	ND	2.0	0.27	1.02	
o-Xylene	ND	1.0	0.57	1.02	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1.02	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	103	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-5	**13-07-1333-35-C**	**07/19/13 12:10**	**Soil**	**GC/MS Z**	**07/19/13**	**07/25/13 15:06**	**130725L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	27	40	5.0	0.806	J
Benzene	0.14	0.81	0.10	0.806	J
Bromobenzene	ND	0.81	0.17	0.806	
Bromochloromethane	ND	1.6	0.56	0.806	
Bromodichloromethane	ND	0.81	0.19	0.806	
Bromoform	ND	4.0	0.64	0.806	
Bromomethane	ND	16	7.6	0.806	
2-Butanone	ND	16	3.0	0.806	
n-Butylbenzene	ND	0.81	0.13	0.806	
sec-Butylbenzene	ND	0.81	0.47	0.806	
tert-Butylbenzene	ND	0.81	0.12	0.806	
Carbon Disulfide	ND	8.1	0.25	0.806	
Carbon Tetrachloride	ND	0.81	0.23	0.806	
Chlorobenzene	ND	0.81	0.18	0.806	
Chloroethane	ND	1.6	1.2	0.806	
Chloroform	ND	0.81	0.19	0.806	
Chloromethane	ND	16	0.25	0.806	
2-Chlorotoluene	ND	0.81	0.19	0.806	
4-Chlorotoluene	ND	0.81	0.17	0.806	
Dibromochloromethane	ND	1.6	0.46	0.806	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.4	0.806	
1,2-Dibromoethane	ND	0.81	0.21	0.806	
Dibromomethane	ND	0.81	0.62	0.806	
1,2-Dichlorobenzene	ND	0.81	0.18	0.806	
1,3-Dichlorobenzene	ND	0.81	0.14	0.806	
1,4-Dichlorobenzene	ND	0.81	0.18	0.806	
Dichlorodifluoromethane	ND	1.6	0.36	0.806	
1,1-Dichloroethane	ND	0.81	0.17	0.806	
1,2-Dichloroethane	ND	0.81	0.25	0.806	
1,1-Dichloroethene	ND	0.81	0.28	0.806	
c-1,2-Dichloroethene	ND	0.81	0.23	0.806	
t-1,2-Dichloroethene	ND	0.81	0.41	0.806	
1,2-Dichloropropane	ND	0.81	0.35	0.806	
1,3-Dichloropropane	ND	0.81	0.20	0.806	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	4.0	0.27	0.806	
1,1-Dichloropropene	ND	1.6	0.26	0.806	
c-1,3-Dichloropropene	ND	0.81	0.21	0.806	
t-1,3-Dichloropropene	ND	1.6	0.49	0.806	
Ethylbenzene	ND	0.81	0.12	0.806	
2-Hexanone	ND	16	1.4	0.806	
Isopropylbenzene	ND	0.81	0.44	0.806	
p-Isopropyltoluene	ND	0.81	0.51	0.806	
Methylene Chloride	ND	8.1	1.1	0.806	
4-Methyl-2-Pentanone	ND	16	3.5	0.806	
Naphthalene	ND	8.1	0.66	0.806	
n-Propylbenzene	ND	1.6	0.40	0.806	
Styrene	ND	0.81	0.49	0.806	
1,1,1,2-Tetrachloroethane	ND	0.81	0.19	0.806	
1,1,2,2-Tetrachloroethane	ND	1.6	0.28	0.806	
Tetrachloroethene	0.21	0.81	0.17	0.806	J
Toluene	ND	0.81	0.42	0.806	
1,2,3-Trichlorobenzene	ND	1.6	0.74	0.806	
1,2,4-Trichlorobenzene	ND	1.6	0.25	0.806	
1,1,1-Trichloroethane	ND	0.81	0.18	0.806	
1,1,2-Trichloroethane	ND	0.81	0.29	0.806	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	0.28	0.806	
Trichloroethene	ND	1.6	0.24	0.806	
Trichlorofluoromethane	ND	8.1	0.30	0.806	
1,2,3-Trichloropropane	ND	1.6	0.67	0.806	
1,2,4-Trimethylbenzene	ND	1.6	0.47	0.806	
1,3,5-Trimethylbenzene	ND	1.6	0.44	0.806	
Vinyl Acetate	ND	8.1	3.8	0.806	
Vinyl Chloride	ND	0.81	0.41	0.806	
p/m-Xylene	ND	1.6	0.22	0.806	
o-Xylene	ND	0.81	0.45	0.806	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	0.24	0.806	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	106	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B96-10	**13-07-1333-36-C**	**07/19/13 12:15**	**Soil**	**GC/MS PP**	**07/19/13**	**07/30/13 21:45**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	7.3	38	4.8	0.769	J
Benzene	0.12	0.77	0.10	0.769	B,J
Bromobenzene	ND	0.77	0.16	0.769	
Bromochloromethane	ND	1.5	0.53	0.769	
Bromodichloromethane	ND	0.77	0.18	0.769	
Bromoform	ND	3.8	0.61	0.769	
Bromomethane	ND	15	7.2	0.769	
2-Butanone	ND	15	2.9	0.769	
n-Butylbenzene	ND	0.77	0.12	0.769	
sec-Butylbenzene	ND	0.77	0.44	0.769	
tert-Butylbenzene	ND	0.77	0.12	0.769	
Carbon Disulfide	ND	7.7	0.24	0.769	
Carbon Tetrachloride	ND	0.77	0.22	0.769	
Chlorobenzene	ND	0.77	0.17	0.769	
Chloroethane	ND	1.5	1.1	0.769	
Chloroform	ND	0.77	0.18	0.769	
Chloromethane	ND	15	0.23	0.769	
2-Chlorotoluene	ND	0.77	0.18	0.769	
4-Chlorotoluene	ND	0.77	0.16	0.769	
Dibromochloromethane	ND	1.5	0.44	0.769	
1,2-Dibromo-3-Chloropropane	ND	3.8	1.3	0.769	
1,2-Dibromoethane	ND	0.77	0.20	0.769	
Dibromomethane	ND	0.77	0.60	0.769	
1,2-Dichlorobenzene	ND	0.77	0.18	0.769	
1,3-Dichlorobenzene	ND	0.77	0.14	0.769	
1,4-Dichlorobenzene	ND	0.77	0.17	0.769	
Dichlorodifluoromethane	ND	1.5	0.34	0.769	
1,1-Dichloroethane	ND	0.77	0.16	0.769	
1,2-Dichloroethane	ND	0.77	0.24	0.769	
1,1-Dichloroethene	ND	0.77	0.27	0.769	
c-1,2-Dichloroethene	ND	0.77	0.22	0.769	
t-1,2-Dichloroethene	ND	0.77	0.39	0.769	
1,2-Dichloropropane	ND	0.77	0.34	0.769	
1,3-Dichloropropane	ND	0.77	0.19	0.769	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	3.8	0.25	0.769	
1,1-Dichloropropene	ND	1.5	0.25	0.769	
c-1,3-Dichloropropene	ND	0.77	0.20	0.769	
t-1,3-Dichloropropene	ND	1.5	0.47	0.769	
Ethylbenzene	ND	0.77	0.12	0.769	
2-Hexanone	ND	15	1.4	0.769	
Isopropylbenzene	ND	0.77	0.42	0.769	
p-Isopropyltoluene	ND	0.77	0.48	0.769	
Methylene Chloride	ND	7.7	1.0	0.769	
4-Methyl-2-Pentanone	ND	15	3.3	0.769	
Naphthalene	ND	7.7	0.63	0.769	
n-Propylbenzene	ND	1.5	0.39	0.769	
Styrene	ND	0.77	0.46	0.769	
1,1,1,2-Tetrachloroethane	ND	0.77	0.18	0.769	
1,1,2,2-Tetrachloroethane	ND	1.5	0.27	0.769	
Tetrachloroethene	0.36	0.77	0.16	0.769	J
Toluene	ND	0.77	0.40	0.769	
1,2,3-Trichlorobenzene	ND	1.5	0.70	0.769	
1,2,4-Trichlorobenzene	ND	1.5	0.24	0.769	
1,1,1-Trichloroethane	ND	0.77	0.17	0.769	
1,1,2-Trichloroethane	ND	0.77	0.27	0.769	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.7	0.27	0.769	
Trichloroethene	ND	1.5	0.23	0.769	
Trichlorofluoromethane	ND	7.7	0.29	0.769	
1,2,3-Trichloropropane	ND	1.5	0.64	0.769	
1,2,4-Trimethylbenzene	ND	1.5	0.45	0.769	
1,3,5-Trimethylbenzene	ND	1.5	0.42	0.769	
Vinyl Acetate	ND	7.7	3.7	0.769	
Vinyl Chloride	ND	0.77	0.39	0.769	
p/m-Xylene	ND	1.5	0.21	0.769	
o-Xylene	ND	0.77	0.43	0.769	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	0.23	0.769	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24081**	**N/A**	**Soil**	**GC/MS PP**	**07/20/13**	**07/20/13 12:57**	**130720L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	106	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24097**	**N/A**	**Soil**	**GC/MS Z**	**07/24/13**	**07/24/13 12:13**	**130724L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	94	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24103**	**N/A**	**Soil**	**GC/MS Z**	**07/25/13**	**07/25/13 12:22**	**130725L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	91	71-155	
Toluene-d8	101	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24107**	**N/A**	**Soil**	**GC/MS Z**	**07/25/13**	**07/25/13 11:55**	**130725L02**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	5000	620	100	
Benzene	ND	100	13	100	
Bromobenzene	ND	100	21	100	
Bromochloromethane	ND	200	69	100	
Bromodichloromethane	ND	100	23	100	
Bromoform	ND	500	79	100	
Bromomethane	ND	2000	940	100	
2-Butanone	ND	2000	380	100	
n-Butylbenzene	ND	100	16	100	
sec-Butylbenzene	ND	100	58	100	
tert-Butylbenzene	ND	100	15	100	
Carbon Disulfide	ND	1000	31	100	
Carbon Tetrachloride	ND	100	28	100	
Chlorobenzene	ND	100	22	100	
Chloroethane	ND	200	150	100	
Chloroform	ND	100	24	100	
Chloromethane	ND	2000	30	100	
2-Chlorotoluene	ND	100	23	100	
4-Chlorotoluene	ND	100	21	100	
Dibromochloromethane	ND	200	57	100	
1,2-Dibromo-3-Chloropropane	ND	500	170	100	
1,2-Dibromoethane	ND	100	26	100	
Dibromomethane	ND	100	77	100	
1,2-Dichlorobenzene	ND	100	23	100	
1,3-Dichlorobenzene	ND	100	18	100	
1,4-Dichlorobenzene	ND	100	22	100	
Dichlorodifluoromethane	ND	200	44	100	
1,1-Dichloroethane	ND	100	21	100	
1,2-Dichloroethane	ND	100	31	100	
1,1-Dichloroethene	ND	100	35	100	
c-1,2-Dichloroethene	ND	100	28	100	
t-1,2-Dichloroethene	ND	100	51	100	
1,2-Dichloropropane	ND	100	44	100	
1,3-Dichloropropane	ND	100	25	100	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	500	33	100	
1,1-Dichloropropene	ND	200	33	100	
c-1,3-Dichloropropene	ND	100	25	100	
t-1,3-Dichloropropene	ND	200	61	100	
Ethylbenzene	ND	100	15	100	
2-Hexanone	ND	2000	180	100	
Isopropylbenzene	ND	100	55	100	
p-Isopropyltoluene	ND	100	63	100	
Methylene Chloride	ND	1000	130	100	
4-Methyl-2-Pentanone	ND	2000	430	100	
Naphthalene	ND	1000	81	100	
n-Propylbenzene	ND	200	50	100	
Styrene	ND	100	60	100	
1,1,1,2-Tetrachloroethane	ND	100	24	100	
1,1,2,2-Tetrachloroethane	ND	200	35	100	
Tetrachloroethene	ND	100	21	100	
Toluene	ND	100	52	100	
1,2,3-Trichlorobenzene	ND	200	91	100	
1,2,4-Trichlorobenzene	ND	200	31	100	
1,1,1-Trichloroethane	ND	100	23	100	
1,1,2-Trichloroethane	ND	100	35	100	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1000	35	100	
Trichloroethene	ND	200	30	100	
Trichlorofluoromethane	ND	1000	38	100	
1,2,3-Trichloropropane	ND	200	83	100	
1,2,4-Trimethylbenzene	ND	200	59	100	
1,3,5-Trimethylbenzene	ND	200	55	100	
Vinyl Acetate	ND	1000	470	100	
Vinyl Chloride	ND	100	50	100	
p/m-Xylene	ND	200	27	100	
o-Xylene	ND	100	56	100	
Methyl-t-Butyl Ether (MTBE)	ND	200	30	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	102	79-133	
1,2-Dichloroethane-d4	91	71-155	
Toluene-d8	102	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24117**	**N/A**	**Soil**	**GC/MS V V**	**07/29/13**	**07/29/13 20:33**	**130729L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	ND	1.0	0.13	1	
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	0.34	10	0.31	1	J
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	80-120	
Dibromofluoromethane	104	79-133	
1,2-Dichloroethane-d4	101	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-025-24120**	**N/A**	**Soil**	**GC/MS PP**	**07/30/13**	**07/30/13 17:36**	**130730L01**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Acetone	ND	50	6.2	1	
Benzene	0.17	1.0	0.13	1	J
Bromobenzene	ND	1.0	0.21	1	
Bromochloromethane	ND	2.0	0.69	1	
Bromodichloromethane	ND	1.0	0.23	1	
Bromoform	ND	5.0	0.79	1	
Bromomethane	ND	20	9.4	1	
2-Butanone	ND	20	3.8	1	
n-Butylbenzene	ND	1.0	0.16	1	
sec-Butylbenzene	ND	1.0	0.58	1	
tert-Butylbenzene	ND	1.0	0.15	1	
Carbon Disulfide	ND	10	0.31	1	
Carbon Tetrachloride	ND	1.0	0.28	1	
Chlorobenzene	ND	1.0	0.22	1	
Chloroethane	ND	2.0	1.5	1	
Chloroform	ND	1.0	0.24	1	
Chloromethane	ND	20	0.30	1	
2-Chlorotoluene	ND	1.0	0.23	1	
4-Chlorotoluene	ND	1.0	0.21	1	
Dibromochloromethane	ND	2.0	0.57	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.7	1	
1,2-Dibromoethane	ND	1.0	0.26	1	
Dibromomethane	ND	1.0	0.77	1	
1,2-Dichlorobenzene	ND	1.0	0.23	1	
1,3-Dichlorobenzene	ND	1.0	0.18	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1	
Dichlorodifluoromethane	ND	2.0	0.44	1	
1,1-Dichloroethane	ND	1.0	0.21	1	
1,2-Dichloroethane	ND	1.0	0.31	1	
1,1-Dichloroethene	ND	1.0	0.35	1	
c-1,2-Dichloroethene	ND	1.0	0.28	1	
t-1,2-Dichloroethene	ND	1.0	0.51	1	
1,2-Dichloropropane	ND	1.0	0.44	1	
1,3-Dichloropropane	ND	1.0	0.25	1	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama Site / MCGU-13-2252

Parameter	Result	RL	MDL	DF	Qualifiers
2,2-Dichloropropane	ND	5.0	0.33	1	
1,1-Dichloropropene	ND	2.0	0.33	1	
c-1,3-Dichloropropene	ND	1.0	0.25	1	
t-1,3-Dichloropropene	ND	2.0	0.61	1	
Ethylbenzene	ND	1.0	0.15	1	
2-Hexanone	ND	20	1.8	1	
Isopropylbenzene	ND	1.0	0.55	1	
p-Isopropyltoluene	ND	1.0	0.63	1	
Methylene Chloride	ND	10	1.3	1	
4-Methyl-2-Pentanone	ND	20	4.3	1	
Naphthalene	ND	10	0.81	1	
n-Propylbenzene	ND	2.0	0.50	1	
Styrene	ND	1.0	0.60	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.24	1	
1,1,2,2-Tetrachloroethane	ND	2.0	0.35	1	
Tetrachloroethene	ND	1.0	0.21	1	
Toluene	ND	1.0	0.52	1	
1,2,3-Trichlorobenzene	ND	2.0	0.91	1	
1,2,4-Trichlorobenzene	ND	2.0	0.31	1	
1,1,1-Trichloroethane	ND	1.0	0.23	1	
1,1,2-Trichloroethane	ND	1.0	0.35	1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	0.35	1	
Trichloroethene	ND	2.0	0.30	1	
Trichlorofluoromethane	ND	10	0.38	1	
1,2,3-Trichloropropane	ND	2.0	0.83	1	
1,2,4-Trimethylbenzene	ND	2.0	0.59	1	
1,3,5-Trimethylbenzene	ND	2.0	0.55	1	
Vinyl Acetate	ND	10	4.7	1	
Vinyl Chloride	ND	1.0	0.50	1	
p/m-Xylene	ND	2.0	0.27	1	
o-Xylene	ND	1.0	0.56	1	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	0.30	1	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	
Dibromofluoromethane	103	79-133	
1,2-Dichloroethane-d4	105	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B84-5	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:20**	**130720S10**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	4.301	17	4.182	17	50-115	3	0-20	3
Arsenic	14.19	25.00	36.16	88	37.73	94	75-125	4	0-20	
Barium	158.2	25.00	166.6	4X	178.0	4X	75-125	4X	0-20	Q
Beryllium	0.5433	25.00	25.32	99	24.90	97	75-125	2	0-20	
Cadmium	1.514	25.00	24.57	92	23.96	90	75-125	3	0-20	
Chromium	32.81	25.00	58.94	105	57.08	97	75-125	3	0-20	
Cobalt	8.869	25.00	33.45	98	33.30	98	75-125	0	0-20	
Copper	24.48	25.00	51.52	108	50.51	104	75-125	2	0-20	
Lead	4.092	25.00	27.32	93	26.70	90	75-125	2	0-20	
Molybdenum	2.716	25.00	24.45	87	24.34	86	75-125	0	0-20	
Nickel	26.36	25.00	51.82	102	51.02	99	75-125	2	0-20	
Selenium	ND	25.00	20.50	82	20.30	81	75-125	1	0-20	
Silver	0.2658	12.50	13.37	105	12.89	101	75-125	4	0-20	
Thallium	ND	25.00	22.41	90	21.51	86	75-125	4	0-20	
Vanadium	56.29	25.00	80.64	97	82.30	104	75-125	2	0-20	
Zinc	41.85	25.00	66.26	98	64.62	91	75-125	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental	Date Received: 07/19/13
3777 Long Beach Blvd., Annex Building	Work Order: 13-07-1333
Long Beach, CA 90802-3335	Preparation: EPA 7471A Total
	Method: EPA 7471A
Project: Panama Site / MCGU-13-2252	Page 2 of 4

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B84-5	**Soil**	**Mercury**	**07/22/13**	**07/22/13 19:13**	**130722S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.6369	76	0.6886	82	71-137	8	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1332-2	**Soil**	**GC/MS DDD**	**07/22/13**	**07/25/13 14:33**	**130722S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	5.000	2.116	42	2.137	43	50-130	1	0-20	3

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1227-47	**Soil**	**GC/MS DDD**	**07/30/13**	**08/01/13 22:23**	**130730S16**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	2.000	1.513	76	1.322	66	50-130	13	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - PDS/PDSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
B84-5	**Soil**	**ICP 7300**	**07/20/13 00:00**	**07/22/13 18:22**	**130720S10**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	PDSD Conc.	PDSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	23.18	93	23.88	96	75-125	3	0-20	
Arsenic	14.19	25.00	36.90	91	36.84	91	75-125	0	0-20	
Barium	158.2	25.00	181.1	4X	177.0	4X	75-125	4X	0-20	Q
Beryllium	0.5433	25.00	24.57	96	23.81	93	75-125	3	0-20	
Cadmium	1.514	25.00	23.80	89	23.46	88	75-125	1	0-20	
Chromium	32.81	25.00	55.36	90	55.25	90	75-125	0	0-20	
Cobalt	8.869	25.00	32.46	94	32.01	93	75-125	1	0-20	
Copper	24.48	25.00	51.09	106	49.59	100	75-125	3	0-20	
Lead	4.092	25.00	26.77	91	26.39	89	75-125	1	0-20	
Molybdenum	2.716	25.00	26.09	93	25.83	92	75-125	1	0-20	
Nickel	26.36	25.00	49.86	94	49.41	92	75-125	1	0-20	
Selenium	ND	25.00	20.31	81	20.16	81	75-125	1	0-20	
Silver	0.2658	12.50	12.72	100	12.66	99	75-125	0	0-20	
Thallium	ND	25.00	22.09	88	20.96	84	75-125	5	0-20	
Vanadium	56.29	25.00	79.90	94	77.53	85	75-125	3	0-20	
Zinc	41.85	25.00	63.46	86	61.59	79	75-125	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-002-17084	**Soil**	**ICP 7300**	**07/22/13 18:05**	**130720L10**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	26.22	105	80-120	73-127	
Arsenic	25.00	25.62	102	80-120	73-127	
Barium	25.00	28.06	112	80-120	73-127	
Beryllium	25.00	26.71	107	80-120	73-127	
Cadmium	25.00	26.96	108	80-120	73-127	
Chromium	25.00	26.62	106	80-120	73-127	
Cobalt	25.00	27.61	110	80-120	73-127	
Copper	25.00	25.08	100	80-120	73-127	
Lead	25.00	24.77	99	80-120	73-127	
Molybdenum	25.00	25.45	102	80-120	73-127	
Nickel	25.00	27.57	110	80-120	73-127	
Selenium	25.00	25.20	101	80-120	73-127	
Silver	12.50	13.05	104	80-120	73-127	
Thallium	25.00	25.37	101	80-120	73-127	
Vanadium	25.00	25.89	104	80-120	73-127	
Zinc	25.00	28.81	115	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental		Date Received:	07/19/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1333
Long Beach, CA 90802-3335		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: Panama Site / MCGU-13-2252			Page 2 of 11

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-04-007-9463	**Soil**	**Mercury**	**07/22/13 18:22**	**130722L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8388	100	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-111	**Soil**	**GC/MS DDD**	**07/24/13 12:43**	**130722L08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	5.000	4.993	100	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-116	**Soil**	**GC/MS DDD**	**08/05/13 12:48**	**130730L16**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	5.000	4.430	89	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-113	**Soil**	**GC/MS DDD**	**08/05/13 15:57**	**130730L17**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	2.000	1.489	74	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24097	**Soil**	**GC/MS Z**	**07/24/13**	**07/24/13 10:23**	**130724L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	56.93	114	53.12	106	80-120	73-127	7	0-20	
Carbon Tetrachloride	50.00	52.83	106	49.72	99	65-137	53-149	6	0-20	
Chlorobenzene	50.00	52.40	105	50.55	101	80-120	73-127	4	0-20	
1,2-Dibromoethane	50.00	55.14	110	53.20	106	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	50.00	52.93	106	50.93	102	80-120	73-127	4	0-20	
1,2-Dichloroethane	50.00	52.04	104	48.74	97	80-120	73-127	7	0-20	
1,1-Dichloroethene	50.00	57.13	114	52.83	106	68-128	58-138	8	0-20	
Ethylbenzene	50.00	56.50	113	54.94	110	80-120	73-127	3	0-20	
Toluene	50.00	58.19	116	54.17	108	80-120	73-127	7	0-20	
Trichloroethene	50.00	56.98	114	53.14	106	80-120	73-127	7	0-20	
Vinyl Chloride	50.00	50.87	102	45.27	91	67-127	57-137	12	0-20	
p/m-Xylene	100.0	106.7	107	102.4	102	75-125	67-133	4	0-25	
o-Xylene	50.00	52.98	106	50.97	102	75-125	67-133	4	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	53.69	107	52.15	104	70-124	61-133	3	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24103	**Soil**	**GC/MS Z**	**07/25/13**	**07/25/13 10:33**	**130725L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	54.22	108	54.05	108	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	51.04	102	53.10	106	65-137	53-149	4	0-20	
Chlorobenzene	50.00	51.26	103	49.85	100	80-120	73-127	3	0-20	
1,2-Dibromoethane	50.00	52.22	104	50.94	102	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	52.06	104	50.91	102	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	46.91	94	48.05	96	80-120	73-127	2	0-20	
1,1-Dichloroethene	50.00	56.74	113	58.48	117	68-128	58-138	3	0-20	
Ethylbenzene	50.00	55.49	111	54.49	109	80-120	73-127	2	0-20	
Toluene	50.00	55.05	110	54.22	108	80-120	73-127	2	0-20	
Trichloroethene	50.00	53.47	107	54.19	108	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	50.02	100	54.64	109	67-127	57-137	9	0-20	
p/m-Xylene	100.0	103.3	103	103.7	104	75-125	67-133	0	0-25	
o-Xylene	50.00	51.34	103	50.77	102	75-125	67-133	1	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	51.75	104	53.32	107	70-124	61-133	3	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24107	**Soil**	**GC/MS Z**	**07/25/13**	**07/25/13 10:33**	**130725L02**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	54.22	108	54.05	108	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	51.04	102	53.10	106	65-137	53-149	4	0-20	
Chlorobenzene	50.00	51.26	103	49.85	100	80-120	73-127	3	0-20	
1,2-Dibromoethane	50.00	52.22	104	50.94	102	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	50.00	52.06	104	50.91	102	80-120	73-127	2	0-20	
1,2-Dichloroethane	50.00	46.91	94	48.05	96	80-120	73-127	2	0-20	
1,1-Dichloroethene	50.00	56.74	113	58.48	117	68-128	58-138	3	0-20	
Ethylbenzene	50.00	55.49	111	54.49	109	80-120	73-127	2	0-20	
Toluene	50.00	55.05	110	54.22	108	80-120	73-127	2	0-20	
Trichloroethene	50.00	53.47	107	54.19	108	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	50.02	100	54.64	109	67-127	57-137	9	0-20	
p/m-Xylene	100.0	103.3	103	103.7	104	75-125	67-133	0	0-25	
o-Xylene	50.00	51.34	103	50.77	102	75-125	67-133	1	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	51.75	104	53.32	107	70-124	61-133	3	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24081	**Soil**	**GC/MS PP**	**07/20/13**	**07/20/13 11:03**	**130720L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	44.88	90	45.77	92	80-120	73-127	2	0-20	
Carbon Tetrachloride	50.00	48.88	98	49.03	98	65-137	53-149	0	0-20	
Chlorobenzene	50.00	42.17	84	44.27	89	80-120	73-127	5	0-20	
1,2-Dibromoethane	50.00	47.12	94	47.57	95	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	42.75	86	44.01	88	80-120	73-127	3	0-20	
1,2-Dichloroethane	50.00	47.97	96	48.05	96	80-120	73-127	0	0-20	
1,1-Dichloroethene	50.00	45.64	91	45.99	92	68-128	58-138	1	0-20	
Ethylbenzene	50.00	46.69	93	49.04	98	80-120	73-127	5	0-20	
Toluene	50.00	46.31	93	48.05	96	80-120	73-127	4	0-20	
Trichloroethene	50.00	45.79	92	46.93	94	80-120	73-127	2	0-20	
Vinyl Chloride	50.00	47.17	94	49.50	99	67-127	57-137	5	0-20	
p/m-Xylene	100.0	92.13	92	94.97	95	75-125	67-133	3	0-25	
o-Xylene	50.00	45.53	91	47.65	95	75-125	67-133	5	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	47.19	94	47.14	94	70-124	61-133	0	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24120	**Soil**	**GC/MS PP**	**07/30/13**	**07/30/13 15:44**	**130730L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	50.35	101	48.17	96	80-120	73-127	4	0-20	
Carbon Tetrachloride	50.00	52.85	106	49.53	99	65-137	53-149	6	0-20	
Chlorobenzene	50.00	46.16	92	44.18	88	80-120	73-127	4	0-20	
1,2-Dibromoethane	50.00	53.95	108	51.34	103	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	50.00	47.53	95	45.13	90	80-120	73-127	5	0-20	
1,2-Dichloroethane	50.00	51.43	103	49.21	98	80-120	73-127	4	0-20	
1,1-Dichloroethene	50.00	49.77	100	46.81	94	68-128	58-138	6	0-20	
Ethylbenzene	50.00	50.51	101	48.52	97	80-120	73-127	4	0-20	
Toluene	50.00	50.00	100	47.76	96	80-120	73-127	5	0-20	
Trichloroethene	50.00	50.16	100	47.14	94	80-120	73-127	6	0-20	
Vinyl Chloride	50.00	52.33	105	48.44	97	67-127	57-137	8	0-20	
p/m-Xylene	100.0	99.41	99	95.94	96	75-125	67-133	4	0-25	
o-Xylene	50.00	49.21	98	47.51	95	75-125	67-133	4	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	52.28	105	48.75	98	70-124	61-133	7	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1333
Preparation: EPA 5035
Method: EPA 8260B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-025-24117	**Soil**	**GC/MS V V**	**07/29/13**	**07/29/13 18:08**	**130729L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	50.00	50.13	100	50.19	100	80-120	73-127	0	0-20	
Carbon Tetrachloride	50.00	47.96	96	46.02	92	65-137	53-149	4	0-20	
Chlorobenzene	50.00	48.49	97	48.89	98	80-120	73-127	1	0-20	
1,2-Dibromoethane	50.00	49.26	99	48.58	97	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	50.00	49.72	99	49.47	99	80-120	73-127	1	0-20	
1,2-Dichloroethane	50.00	46.47	93	47.08	94	80-120	73-127	1	0-20	
1,1-Dichloroethene	50.00	49.63	99	48.49	97	68-128	58-138	2	0-20	
Ethylbenzene	50.00	52.70	105	52.76	106	80-120	73-127	0	0-20	
Toluene	50.00	51.36	103	51.43	103	80-120	73-127	0	0-20	
Trichloroethene	50.00	50.46	101	51.10	102	80-120	73-127	1	0-20	
Vinyl Chloride	50.00	43.97	88	41.78	84	67-127	57-137	5	0-20	
p/m-Xylene	100.0	101.5	102	102.0	102	75-125	67-133	0	0-25	
o-Xylene	50.00	51.65	103	52.49	105	75-125	67-133	2	0-25	
Methyl-t-Butyl Ether (MTBE)	50.00	46.78	94	53.32	107	70-124	61-133	13	0-20	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1333

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 7471A	EPA 7471A Total	769	Mercury	1
EPA 8260B	EPA 5035	796	GC/MS Z	2
EPA 8260B	EPA 5035	796	GC/MS V V	2
EPA 8260B	EPA 5035	849	GC/MS PP	2
EPA 8270C(M) Isotope Dilution	EPA 3545	421	GC/MS DDD	1
EPA 8270C(M) Isotope Dilution	EPA 3545	859	GC/MS DDD	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1333 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: **13-07-1333**

DATE: 7/19/13
PAGE: 1 OF 4

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.:
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Hold samples for possible 1,4 Dioxane analysis by 8270

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) & Hold 1,4 Dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Archive				
1	B17-1	7/19/13	0700	SOIL	4		X															X				
2	-2.5		0705										X							X						
3	-5		0710										X							X						
4	-10		0715																			X				
5	B81-1		0730																			X				
6	-2.5		0735										X							X						
7	-5		0740										X							X						
8	-10		0745																			X				
9	B85-1		0800																			X				
10	-2.5		0805										X							X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	Rudy M / CEC	7/19/13	1610
Rudy M	CEC	7/19/13	1755

06/01/10 Revision

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1333

DATE: 7/19/13
PAGE: 2 OF 4

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGV-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Hold samples for potential 1,4 dioxane analysis by 8270

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) 1,4 Dioxane ⊕ Add	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Archive
11	B85-5	7/19/13	0810	SOIL	4		X						X							X		
12	-10		0815																			X
13	B84-1		0820																			X
14	-2.5		0825										X							X		
15	-5		0830										X							X		
16	-10		0835																			X
17	B87-1		0850																			X
18	-2.5		0855										X							X		
19	-5		0900										X							X		
20	-10		0905																			X

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/19/13	Time: 1610
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/19/13	Time: 1755
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1353

CHAIN OF CUSTODY RECORD

DATE: 7/19/13
PAGE: 3 OF 4

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.:
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Deake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF
GLOBAL ID:
LOG CODE:

SPECIAL INSTRUCTIONS: Hold samples for potential 1,4 Dioxane analysis by 8270

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035 / ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) / 1,4 Dioxane * Note	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Archive
21	B89-1	7/19/13	0915	SOIL	4		X													X		X
22	-2.5		0920										X							X		
23	-5		0925										X							X		
24	-10		0930																			X
25	B90-1		0935																			
26	-2.5		0940																			X
27	-5		0945										X							X		
28	-10		0950										X							X		
29	B83-1		1110																			X
30	-2.5		1115										X							X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Rudy JMM COEL	Date: 7/19/13	Time: 1610
Relinquished by: (Signature) Rudy JMM	Received by: (Signature/Affiliation) COEL	Date: 7/19/13	Time: 1755
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1333

CHAIN OF CUSTODY RECORD

DATE: 7/19/13
PAGE: 4 OF 4

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
P.O. NO.:
SAMPLER(S): (PRINT) K. Deake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS: Hold samples for potential 1,4 Dioxane analysis

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) / 1,4 Dioxane #Hold	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE *				
31	B83-5	7/19/13	1120	SOIL	4		X						X							X						
32	-10		1125																	RP ANF		X				
33	B96-1		1200																			X				
34	-2.5		1205										X							X						
35	-5		1210										X							X						
36	-10		1215																			X				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	CEL	7/19/13	1610
	CEL	7/19/13	1755

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1337

SAMPLE RECEIPT FORM

Cooler 1 of 2

CLIENT: ALTA ENVIRONMENTAL DATE: 07/10/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.5 °C - 0.2 °C (CF) = 2.3 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JD

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑ 7/19/13 JD	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☑ No analysis requested (-25). ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (2) ☐EnCores® ☑TerraCores® (3) ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JD

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 07/22/13

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:**

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1333

SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: ALTA ENVIRONMENTAL DATE: 07/10/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.4 °C - 0.2 °C (CF) = 2.2 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: BM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: BM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JD

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (2) ☐EnCores® ☑TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JD

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** WJC

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:**

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Vikas Patel

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Friday, July 19, 2013 5:05 PM
To: Vikas Patel
Subject: COC #13-07-1227

Vikas, please rush the VOC (EPA Method 8260B) analyses on a 24-hr TAT basis for the following samples (no rush for Title 22 metals or 1,4-dioxane):

B101-2.5
B101-5
B101-10
B75-1
B75-2.5
B75-5
B75-10
B100-1
B100-2.5
B100-5
B100-10
B99-1
B99-2.5
B99-5
B99-10
B77-1
B77-2.5
B77-5
B77-10
B98-1
B98-2.5
B98-5
B98-10

In addition, additional samples were collected today for VOC analysis. From today's samples, please analyze B97-1, B97-2.5, B97-5, and B97-10 for VOCs on a 24-hr TAT rush analysis.

Regards,

STEVEN R. RIDENOUR, PG, REA
SENIOR PROJECT MANAGER/SENIOR GEOLOGIST III

ALTA ENVIRONMENTAL

3777 Long Beach Blvd. Annex Building. Long Beach, CA 90807
o. 562.495.5777 c. 310.997.6500 f. 562.495.5877
steve.ridenour@altaenviron.com | www.altaenviron.com

Welcome to Alta Environmental! Effective July 2011, Alta Environmental represents the combined teams of Winefield & Associates and our recent acquisitions, Coffey Environments/CTL Environmental Services and Justice & Associates. Alta Environmental is a premiere environmental consultancy for industrial and

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Vikas Patel

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Friday, July 26, 2013 3:00 PM
To: Vikas Patel; Nicole Scott
Cc: Jonathan Barkman; Kristyn Drake
Subject: Teledyne - Additional Analyses Request for VOCs

Vik/Nicole,

For Chain-of-Custody No. 13-07-1227, please analyze the following held samples for VOCs by EPA 8260B (normal TAT):
B74-1
B74-10
B76-1
B76-10
B78-1
B78-10
B79-1
B79-10
B82-1
B82-10
B80-1
B80-10
B88-1
B88-10
B86-1
B86-10

For Chain-of-Custody No. 13-07-1333, please analyze the following held samples for VOCs by EPA Method 8260B (normal TAT):
B97-1
B97-10
B81-1
B81-10
B85-1
B85-10
B84-1
B84-10
B87-1
B87-10
B89-1
B89-10
B90-1
B90-2.5
B83-1
B83-10
B96-1
B96-10

Regards,

STEVEN R. RIDENOUR, PG

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 13-07-1333

DATE: 7/19/13
PAGE: 1 OF 4

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
P.O. NO.:
SAMPLER(S): (PRINT) K. Deakz

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Hold samples for possible 1,4 Dioxane analysis by 8270

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) / 1,4 Dioxane (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Archive					
1	B17-1	7/19/13	0700	SOIL	4		X									X						X					
2	-2.5		0705										X			X				X							
3	-5		0710										X			X				X							
4	-10		0715													X						X					
5	B81-1		0730													X						X					
6	-2.5		0735										X			X				X							
7	-5		0740										X			X				X							
8	-10		0745													X						X					
9	B85-1		0800													X						X					
10	-2.5		0805										X			X				X							

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Rudy M CEC	Date: 7/19/13	Time: 1610
Relinquished by: (Signature) Rudy M	Received by: (Signature/Affiliation) CEC	Date: 7/19/13	Time: 1755
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1333

CHAIN OF CUSTODY RECORD

DATE: 7/19/13
PAGE: 2 OF 4

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:
Hold samples for potential 1,4 dioxane analysis by 8270

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) 1,4 D Hold	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Archive				
11	B85-5	7/19/13	0810	SOIL	4		X						X			X				X							
12	-10		0815													X						X				
13	B84-1		0820													X						X				
14	-2.5		0825										X			X				X						
15	-5		0830										X			X				X						
16	-10		0835													X						X				
17	B87-1		0850													X						X				
18	-2.5		0855										X			X				X						
19	-5		0900										X			X				X						
20	-10		0905													X						X				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/19/13	Time: 1610
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/19/13	Time: 1755
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1353

DATE: 7/19/13
PAGE: 3 OF 4

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
P.O. NO.:
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS: Hold samples for potential 1,4 Dioxane analysis by 8270

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035 / ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) / 1,4 Dioxane (* Note)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Archive				
21	B89-1	7/19/13	0915	SOIL	4		X									X						X				
22	-2.5		0920										X			X				X						
23	-5		0925										X			X				X						
24	-10		0930													X						X				
25	B90-1		0935													X										
26	-2.5		0940													X						X				
27	-5		0945										X			X				X						
28	-10		0950										X			X				X						
29	B88-1		1110													X						X				
30	-2.5		1115										X			X				X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Rudy JMA CEL	Date: 7/19/13	Time: 1610
Relinquished by: (Signature) Rudy JMA	Received by: (Signature/Affiliation) CEL	Date: 7/19/13	Time: 1755
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1133

CHAIN OF CUSTODY RECORD

DATE: 7/19/13
PAGE: 4 OF 4

LABORATORY CLIENT: Alta Environmental	CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.:
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Jonathan Barkman
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com	SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS: Hold samples for potential 1,4 Dioxane analysis

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~5W8015~~ (8270) 1,4 Dioxane ~~+ Naph~~	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE #					
31	B83-5	7/19/13	1120	SOIL	4		X						X			X				X		X					
32	-10		1125													X				Ø		X					
33	B96-1		1200													X				~~DUP~~		X					
34	-2.5		1205										X			X				X							
35	-5		1210										X			X				X							
36	-10		1215													X						X					

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/19/13	Time: 1610
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/19/13	Time: 1755
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

Supplemental Report 1

Additional requested analyses are reported as a stand-alone report.

CALSCIENCE

WORK ORDER NUMBER: 13-07-1332

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site / MCGU-13-2252

Attention: Jonathan Barkman
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 08/05/2013 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: Panama Site / MCGU-13-2252
Work Order Number: 13-07-1332

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-1332 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/19/13. They were assigned to Work Order 13-07-1332.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-1	**13-07-1332-1-A**	**07/18/13 08:45**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 12:07**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	33	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-10	**13-07-1332-4-A**	**07/18/13 09:00**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 13:03**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	58	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-112**	**N/A**	**Soil**	**GC/MS DDD**	**07/30/13**	**08/01/13 23:18**	**130730L18**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	73	28-139	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1033-10	**Soil**	**GC/MS DDD**	**07/30/13**	**08/02/13 02:26**	**130730S18**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	2.000	1.471	74	1.454	73	50-130	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-112	**Soil**	**GC/MS DDD**	**08/01/13 23:38**	**130730L18**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	2.000	1.429	71	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1332

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8270C(M) Isotope Dilution	EPA 3545	859	GC/MS DDD	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1332 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 13-07-1332

DATE: 7/19/13
PAGE: 1 OF 1

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.:
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. DRAKE

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved (ICE)	Preserved	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-DIOXANE	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE *					
1	B74-1	7/18/13	0845	SOIL	1	X										X				X		X					
2	-2.5		0850																								
3	-5		0855																								
4	-10		0900																								

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	Rudy M CGC	7/19/13	1610
Rudy M		7/19/13	1755

06/01/10 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1332

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ALTA ENVIRONMENTAL DATE: 07/19/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.4 °C - 0.2 °C (CF) = 2.2 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: RH

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: RH

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: HH

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (2) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** HH

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** JD

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** YS

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Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 13-07-1332

DATE: 7/19/13
PAGE: 1 OF 1

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.:
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. DRAKE

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved ICE	Preserved	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-DIOXANE	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE *				
1	B7H-1	7/18/13	0845	SOIL	1	X										X						X				
2	-2.5		0850													X				X						
3	-5		0855													X				X						
4	-10		0900													X						X				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	Rudy M CGC	7/19/13	1610
Rudy M	CGC	7/19/13	1755

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 13-07-1332

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site / MCGU-13-2252

Attention: Jonathan Barkman
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 07/29/2013 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 13-07-1332

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-1332 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/19/13. They were assigned to Work Order 13-07-1332.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Attn: Jonathan Barkman

Work Order: 13-07-1332
Project Name: Panama Site / MCGU-13-2252
Received: 07/19/13

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B74-2.5 (13-07-1332-2)						
Arsenic	8.20		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	82.9		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.369		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.938		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	25.6		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	9.63		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	21.0		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	3.35		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.754		0.250	mg/kg	EPA 6010B	EPA 3050B
Nickel	19.7		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	40.4		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	40.2		1.00	mg/kg	EPA 6010B	EPA 3050B
B74-5 (13-07-1332-3)						
Arsenic	7.66		0.750	mg/kg	EPA 6010B	EPA 3050B
Barium	146		0.500	mg/kg	EPA 6010B	EPA 3050B
Beryllium	0.350		0.250	mg/kg	EPA 6010B	EPA 3050B
Cadmium	0.964		0.500	mg/kg	EPA 6010B	EPA 3050B
Chromium	67.2		0.250	mg/kg	EPA 6010B	EPA 3050B
Cobalt	11.3		0.250	mg/kg	EPA 6010B	EPA 3050B
Copper	25.4		0.500	mg/kg	EPA 6010B	EPA 3050B
Lead	2.17		0.500	mg/kg	EPA 6010B	EPA 3050B
Molybdenum	0.250	J	0.132*	mg/kg	EPA 6010B	EPA 3050B
Nickel	29.5		0.250	mg/kg	EPA 6010B	EPA 3050B
Vanadium	69.9		0.250	mg/kg	EPA 6010B	EPA 3050B
Zinc	57.4		1.00	mg/kg	EPA 6010B	EPA 3050B
Mercury	0.0504	J	0.00588*	mg/kg	EPA 7471A	EPA 7471A Total

Subcontracted analyses, if any, are not included in this summary.

* MDL is shown

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-2.5	**13-07-1332-2-A**	**07/18/13 08:50**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:50**	**130720L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	8.20	0.750	0.259	1	
Barium	82.9	0.500	0.154	1	
Beryllium	0.369	0.250	0.137	1	
Cadmium	0.938	0.500	0.135	1	
Chromium	25.6	0.250	0.142	1	
Cobalt	9.63	0.250	0.148	1	
Copper	21.0	0.500	0.135	1	
Lead	3.35	0.500	0.132	1	
Molybdenum	0.754	0.250	0.132	1	
Nickel	19.7	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	40.4	0.250	0.141	1	
Zinc	40.2	1.00	0.178	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-5	**13-07-1332-3-A**	**07/18/13 08:55**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 18:51**	**130720L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	7.66	0.750	0.259	1	
Barium	146	0.500	0.154	1	
Beryllium	0.350	0.250	0.137	1	
Cadmium	0.964	0.500	0.135	1	
Chromium	67.2	0.250	0.142	1	
Cobalt	11.3	0.250	0.148	1	
Copper	25.4	0.500	0.135	1	
Lead	2.17	0.500	0.132	1	
Molybdenum	0.250	0.250	0.132	1	J
Nickel	29.5	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	69.9	0.250	0.141	1	
Zinc	57.4	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-17080**	**N/A**	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 13:02**	**130720L12**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Antimony	ND	0.750	0.149	1	
Arsenic	ND	0.750	0.259	1	
Barium	ND	0.500	0.154	1	
Beryllium	ND	0.250	0.137	1	
Cadmium	ND	0.500	0.135	1	
Chromium	ND	0.250	0.142	1	
Cobalt	ND	0.250	0.148	1	
Copper	ND	0.500	0.135	1	
Lead	ND	0.500	0.132	1	
Molybdenum	ND	0.250	0.132	1	
Nickel	ND	0.250	0.145	1	
Selenium	ND	0.750	0.300	1	
Silver	ND	0.250	0.0857	1	
Thallium	ND	0.750	0.152	1	
Vanadium	ND	0.250	0.141	1	
Zinc	ND	1.00	0.178	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-2.5	**13-07-1332-2-A**	**07/18/13 08:50**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 14:36**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-5	**13-07-1332-3-A**	**07/18/13 08:55**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 14:38**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	0.0504	0.0835	0.00588	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-04-007-9457**	**N/A**	**Soil**	**Mercury**	**07/22/13**	**07/22/13 13:59**	**130722L06**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Mercury	ND	0.0835	0.00588	1	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution
Units: mg/kg

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-2.5	**13-07-1332-2-A**	**07/18/13 08:50**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/25/13 13:38**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	46	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B74-5	**13-07-1332-3-A**	**07/18/13 08:55**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/25/13 14:15**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	49	28-139	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-09-011-111**	**N/A**	**Soil**	**GC/MS DDD**	**07/22/13**	**07/24/13 12:06**	**130722L08**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
1,4-Dioxane	ND	0.010	0.0014	0.4	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Nitrobenzene-d5	58	28-139	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3050B
Method: EPA 6010B

Project: Panama Site / MCGU-13-2252

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1202-1	**Soil**	**ICP 7300**	**07/20/13**	**07/22/13 13:07**	**130720S12**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	21.55	86	22.20	89	50-115	3	0-20	
Arsenic	ND	25.00	23.95	96	23.88	96	75-125	0	0-20	
Barium	58.47	25.00	87.30	115	88.37	120	75-125	1	0-20	
Beryllium	ND	25.00	26.65	107	26.86	107	75-125	1	0-20	
Cadmium	0.5007	25.00	27.06	106	27.18	107	75-125	0	0-20	
Chromium	5.845	25.00	30.58	99	30.51	99	75-125	0	0-20	
Cobalt	1.229	25.00	28.52	109	28.59	109	75-125	0	0-20	
Copper	103.6	25.00	126.2	4X	130.1	4X	75-125	4X	0-20	Q
Lead	5.744	25.00	29.99	97	29.97	97	75-125	0	0-20	
Molybdenum	1.821	25.00	26.54	99	26.93	100	75-125	1	0-20	
Nickel	6.821	25.00	32.79	104	33.19	105	75-125	1	0-20	
Selenium	0.9635	25.00	26.67	103	26.35	102	75-125	1	0-20	
Silver	ND	12.50	10.61	85	10.53	84	75-125	1	0-20	
Thallium	ND	25.00	17.17	69	21.49	86	75-125	22	0-20	3,4
Vanadium	1.659	25.00	27.51	103	27.37	103	75-125	0	0-20	
Zinc	221.1	25.00	247.1	4X	251.3	4X	75-125	4X	0-20	Q

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental	Date Received: 07/19/13
3777 Long Beach Blvd., Annex Building	Work Order: 13-07-1332
Long Beach, CA 90802-3335	Preparation: EPA 7471A Total
	Method: EPA 7471A
Project: Panama Site / MCGU-13-2252	Page 2 of 3

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-07-1289-2	**Soil**	**Mercury**	**07/22/13**	**07/22/13 14:07**	**130722S06**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.1070	0.8350	0.9500	101	0.9203	97	71-137	3	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3545
Method: EPA 8270C(M) Isotope Dilution

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B74-2.5	**Soil**	**GC/MS DDD**	**07/22/13**	**07/25/13 14:33**	**130722S08**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	ND	5.000	2.116	42	2.137	43	50-130	1	0-20	3

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - PDS/PDSD

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	PDS/PDSD Batch Number
13-07-1202-1	**Soil**	**ICP 7300**	**07/20/13 00:00**	**07/22/13 13:10**	**130720S12**

Parameter	Sample Conc.	Spike Added	PDS Conc.	PDS %Rec.	PDSD Conc.	PDSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	23.73	95	23.73	95	75-125	0	0-20	
Arsenic	ND	25.00	23.90	96	23.64	95	75-125	1	0-20	
Barium	58.47	25.00	83.20	99	83.26	99	75-125	0	0-20	
Beryllium	ND	25.00	25.09	100	25.31	101	75-125	1	0-20	
Cadmium	0.5007	25.00	25.43	100	25.70	101	75-125	1	0-20	
Chromium	5.845	25.00	34.09	113	34.11	113	75-125	0	0-20	
Cobalt	1.229	25.00	28.88	111	29.19	112	75-125	1	0-20	
Copper	103.6	25.00	141.4	4X	142.8	4X	75-125	4X	0-20	Q
Lead	5.744	25.00	29.21	94	29.45	95	75-125	1	0-20	
Molybdenum	1.821	25.00	26.87	100	27.22	102	75-125	1	0-20	
Nickel	6.821	25.00	37.29	122	37.53	123	75-125	1	0-20	
Selenium	0.9635	25.00	23.44	90	23.72	91	75-125	1	0-20	
Silver	ND	12.50	9.001	72	9.079	73	75-125	1	0-20	5
Thallium	ND	25.00	24.61	98	24.75	99	75-125	1	0-20	
Vanadium	1.659	25.00	25.83	97	25.98	97	75-125	1	0-20	
Zinc	221.1	25.00	233.5	4X	234.6	4X	75-125	4X	0-20	Q

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/19/13
Work Order: 13-07-1332
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-01-002-17080	**Soil**	**ICP 7300**	**07/22/13 13:04**	**130720L12**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	26.14	105	80-120	73-127	
Arsenic	25.00	25.35	101	80-120	73-127	
Barium	25.00	27.78	111	80-120	73-127	
Beryllium	25.00	26.27	105	80-120	73-127	
Cadmium	25.00	26.86	107	80-120	73-127	
Chromium	25.00	25.82	103	80-120	73-127	
Cobalt	25.00	27.60	110	80-120	73-127	
Copper	25.00	25.18	101	80-120	73-127	
Lead	25.00	24.80	99	80-120	73-127	
Molybdenum	25.00	25.42	102	80-120	73-127	
Nickel	25.00	27.21	109	80-120	73-127	
Selenium	25.00	25.29	101	80-120	73-127	
Silver	12.50	12.78	102	80-120	73-127	
Thallium	25.00	25.47	102	80-120	73-127	
Vanadium	25.00	25.54	102	80-120	73-127	
Zinc	25.00	28.85	115	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental		Date Received:	07/19/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1332
Long Beach, CA 90802-3335		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: Panama Site / MCGU-13-2252			Page 2 of 3

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-04-007-9457	**Soil**	**Mercury**	**07/22/13 14:01**	**130722L06**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8199	98	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental		Date Received:	07/19/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1332
Long Beach, CA 90802-3335		Preparation:	EPA 3545
		Method:	EPA 8270C(M) Isotope Dilution
Project: Panama Site / MCGU-13-2252			Page 3 of 3

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-09-011-111	**Soil**	**GC/MS DDD**	**07/24/13 12:43**	**130722L08**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
1,4-Dioxane	5.000	4.993	100	50-130	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1332 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 7471A	EPA 7471A Total	769	Mercury	1
EPA 8270C(M) Isotope Dilution	EPA 3545	859	GC/MS DDD	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1332

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 13-07-1332

DATE: 7/19/13
PAGE: 1 OF 1

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.:
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. DRAKE

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved (ICE)	Preserved	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-DIOXANE	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE *					
1	B74-1	7/18/13	0845	SOIL	1	X										X				X		X					
2	-2.5		0850													X				X							
3	-5		0855																								
4	-10		0900																			X					

Relinquished by: (Signature)	Received by: (Signature/Affiliation) Rudy / CGC	Date: 7/19/13	Time: 1610
Relinquished by: (Signature) Rudy	Received by: (Signature/Affiliation) CGC	Date: 7/19/13	Time: 1755
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1332

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: ALTA ENVIRONMENTAL DATE: 07/19/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.4 °C - 0.2 °C (CF) = 2.2 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: RH

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: RH

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: HH

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (2) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** HH

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** JD

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** YS

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Calscience Environmental Laboratories, Inc.

Supplemental Report 1

Additional requested analyses are reported as a stand-alone report.

CALSCIENCE

WORK ORDER NUMBER: 13-07-1227

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Alta Environmental

Client Project Name: Panama Site / MCGU-13-2252

Attention: Jonathan Barkman
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Vikas Patel

Approved for release on 09/26/2013 by:
Vikas Patel
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Client Project Name: Panama Site / MCGU-13-2252
Work Order Number: 13-07-1227

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 13-07-1227 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 07/18/13. They were assigned to Work Order 13-07-1227.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Alta Environmental	Work Order:	13-07-1227
	3777 Long Beach Blvd., Annex Building	Project Name:	Panama Site / MCGU-13-2252
	Long Beach, CA 90802-3335	Received:	07/18/13
Attn:	Jonathan Barkman		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
B76-2.5 (13-07-1227-17)						
Cadmium	0.0395	J	0.0269*	mg/L	EPA 6010B	T22.11.5. AII
Chromium	0.297		0.100	mg/L	EPA 6010B	T22.11.5. AII
Selenium	0.0824	J	0.0699*	mg/L	EPA 6010B	T22.11.5. AII

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: T22.11.5. AII
Method: EPA 6010B
Units: mg/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-2.5	**13-07-1227-17-A**	**07/18/13 09:40**	**Solid**	**ICP 7300**	**09/23/13**	**09/25/13 14:23**	**130925LA1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- The analysis was performed on a STLC extract of the sample.

Parameter	Result	RL	MDL	DF	Qualifiers
Beryllium	ND	0.100	0.0262	1	
Cadmium	0.0395	0.100	0.0269	1	J
Chromium	0.297	0.100	0.0271	1	
Selenium	0.0824	0.150	0.0699	1	J

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-05-006-6927**	**N/A**	**Aqueous**	**ICP 7300**	**09/23/13**	**09/25/13 14:20**	**130925LA1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Beryllium	ND	0.100	0.0262	1	
Cadmium	ND	0.100	0.0269	1	
Chromium	ND	0.100	0.0271	1	
Selenium	ND	0.150	0.0699	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 1311
Method: EPA 6010B
Units: mg/L

Project: Panama Site / MCGU-13-2252

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B76-2.5	**13-07-1227-17-A**	**07/18/13 09:40**	**Solid**	**ICP 7300**	**09/23/13**	**09/24/13 15:20**	**130924LA1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.
- The analysis was performed on a TCLP extract of the sample.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.100	0.0269	1	
Selenium	ND	0.150	0.0699	1	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-021-969**	**N/A**	**Aqueous**	**ICP 7300**	**09/23/13**	**09/24/13 15:00**	**130924LA1**

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qualifiers
Cadmium	ND	0.100	0.0269	1	
Selenium	ND	0.150	0.0699	1	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: T22.11.5. AII
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B76-2.5	**Solid**	**ICP 7300**	**09/23/13**	**09/25/13 14:24**	**130925SA1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Beryllium	ND	5.000	4.237	85	4.154	83	75-125	2	0-20	
Cadmium	ND	5.000	4.186	84	4.119	82	75-125	2	0-20	
Chromium	0.2972	5.000	4.804	90	4.738	89	75-125	1	0-20	
Selenium	ND	5.000	4.486	90	4.537	91	75-125	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: EPA 1311
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
13-09-0424-1	**Solid**	**ICP 7300**	**09/23/13**	**09/24/13 15:05**	**130924SA1**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Cadmium	ND	5.000	5.184	104	5.113	102	82-124	1	0-7	
Selenium	ND	5.000	5.409	108	5.433	109	79-127	0	0-9	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental
3777 Long Beach Blvd., Annex Building
Long Beach, CA 90802-3335

Project: Panama Site / MCGU-13-2252

Date Received: 07/18/13
Work Order: 13-07-1227
Preparation: T22.11.5. AII
Method: EPA 6010B

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
097-05-006-6927	**Aqueous**	**ICP 7300**	**09/25/13 14:22**	**130925LA1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Beryllium	5.000	5.258	105	80-120	
Cadmium	5.000	5.481	110	80-120	
Chromium	5.000	5.675	113	80-120	
Selenium	5.000	5.200	104	80-120	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Alta Environmental		Date Received:	07/18/13
3777 Long Beach Blvd., Annex Building		Work Order:	13-07-1227
Long Beach, CA 90802-3335		Preparation:	EPA 1311
		Method:	EPA 6010B
Project: Panama Site / MCGU-13-2252			Page 2 of 2

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	LCS Batch Number
099-14-021-969	**Aqueous**	**ICP 7300**	**09/24/13 15:02**	**130924LA1**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Cadmium	5.000	5.308	106	80-120	
Selenium	5.000	4.885	98	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 13-07-1227 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 1311	469	ICP 7300	1
EPA 6010B	T22.11.5. AII	469	ICP 7300	1

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 13-07-1227 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 13-07-1227

DATE: 7/18/13
PAGE: 1 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF
GLOBAL ID:
LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5085/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE				
1	B101-2.5	7/18/13	0745	SOIL	4		X						X							X						
2	-5		0750										X			X				X						
3	-10		0755										X													
4	B75-1		0805										X													
5	-2.5		0810										X			X				X						
6	-5		0815										X							X						
7	-10		0820										X													
	~~BAV-B10B-2.5~~		~~0830~~																				OMIT (KD)			
	~~5~~		~~0835~~																				OMIT (KD)			
8	B74-1		0845																			X				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		7/18/13	1605
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		7/18/13	1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1221

DATE: 7/18/13
PAGE: 2 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~(8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]					ARCHIVE
9	B74-2.5	7/18/13	0850	Soil	4		X						X			X				X						
10	-5		0850										X			X				X						
11	-10		0900																						X
12	B100-1		0905										X												
13	-2.5		0910										X							X					
14	-5 MS KD		0915										X			X				X					
15	-10		0920										X												
16	B76-1		0935																						X
17	-2.5		0940										X			X				X					
18	-5		0945										X			X				X					

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1615
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1227

DATE: 7/18/13
PAGE: 3 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/HCl	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-Dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
19	B76-10	7/18/13	0950	SOIL	4		X																X			
20	B99-1		1005										X													
21	-2.5		1005										X							X						
22	-5		1010										X							X						
23	-10		1015										X			X										
24	B78-1		1020																				X			
25	-2.5		1025										X			X				X						
26	-5		1030										X			X				X						
27	-10		1035																				X			
28	B77-1		1100										X													

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	Alta Mesa CSR	7/18/13	1605
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	CSR	7/18/13	1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
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GARDEN GROVE, CA 92841-1427
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WO # / LAB USE ONLY: 07-1237

DATE: 7/18/13
PAGE: 4 OF 6

LABORATORY CLIENT: Alta Environmental
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CITY: Long Beach STATE: CA ZIP: 90807
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CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Decker

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035 ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-D'10Xanes	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
29	B77-2.5	7/18/13	1105	SOIL	4		X						X			X				X						
30	-5		1110										X							X						
31	-10		1115										X													
32	B98-1		1145										X													
33	-2.5		1150										X			X				X						
34	-5		1155										X							X						
35	-10		1200										X													
36	B79-1		1240																				X			
37	-2.5		1245										X							X						
38	-5		1250										X			X				X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1616
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1323-7

DATE: 7/18/13
PAGE: 5 OF 6

LABORATORY CLIENT: Alta Environmental
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CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.:
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
39	B79-10	7/18/13	1255	SOIL	4		X																X			
40	B82-1		1315																				X			
41	-2.5		1320										X			X			Y	X						
42	-5		1325										X							X						
43	-10		1330																				X			
44	B80-1		1345																				X			
45	-2.5		1350										X							X						
46	-5		1355										X							X						
47	-10		1400													X										
48	B88-1		1415																				X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1616
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1227

DATE: 7/18/13
PAGE: 6 OF 6

LABORATORY CLIENT: Alta Environmental
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CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.:
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE				
49	B88-2.5	7/18/13	1420	SOIL	4		X						X							X			X			
50	-5		1425										X							X						
51	-10		1430													X									
52	B86-1		1500																			X			
53	-2.5		1505										X			X				X						
54	-5		1510										X							X						
55	-10		1515																				X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		7/18/13	1615
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		7/18/13	1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1121 7

SAMPLE RECEIPT FORM

Cooler 1 of 3

CLIENT: ACTA DATE: 07/18/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.7 °C - 0.2 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JD

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑ 7/19/13 100	☑	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (2) ☐EnCores® ☑TerraCores® (3) ☐_____

Water: ☐VOA ☑VOAh (2) ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** 130708B **Labeled/Checked by:** JD

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** P.L/YC

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** YC

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1 2 2 7

SAMPLE RECEIPT FORM

Cooler 2 of 3

CLIENT: ALTA DATE: 07/18/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.8 °C - 0.2 °C (CF) = 2.6 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JD

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (7) ☐EnCores® ☑TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JD

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** YC

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** YC

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-[1][2][2][7]

SAMPLE RECEIPT FORM

Cooler 3 of 3

CLIENT: ALTA

DATE: 07/18/13

TEMPERATURE: Thermometer ID: SC3 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.6 °C - 0.2 °C (CF) = 2.4 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter Initial: AM

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: AM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: JD

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Res. Chlorine / Diss. Sulfide / Diss. Oxygen received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (P) ☐EnCores® ☑TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs

☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB

☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** JD

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** YC

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** YC

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 13-07-1227

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☑ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired – list sample ID(s) and test
- ☑ Insufficient quantities for analysis – list test
- ☐ Improper container(s) used – list test
- ☐ Improper preservative used – list test
- ☐ No preservative noted on COC or label – list test & notify lab
- ☐ Sample labels illegible – note test/container type
- ☑ Sample label(s) do not match COC – Note in comments
  - ☐ Sample ID
  - ☐ Date and/or Time Collected
  - ☐ Project Information
  - ☑ # of Container(s)
  - ☐ Analysis
- ☐ Sample container(s) compromised – Note in comments
  - ☐ Water present in sample container
  - ☐ Broken
- ☐ Sample container(s) not labeled
- ☐ Air sample container(s) compromised – Note in comments
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (Not transferred - duplicate bag submitted)
  - ☐ Leaking (transferred into Calscience Tedlar® Bag*)
  - ☐ Leaking (transferred into Client's Tedlar® Bag*)
- ☐ Other: _____

Comments:

(-56) Received 2x Trip Blanks

(-9)(-10) sleeve not received for SVOC and Metals

(-8)(-9)(-10)(-11) Received 3 containers instead of 4; 3x Terra cores

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: JD 07/18/13

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Vikas Patel

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Friday, July 19, 2013 11:48 AM
To: Vikas Patel
Subject: RE: Panama Site / MCGU-13-2252 / CEL 13-07-1227

We are re-sampling B74 and will include those on today's COC.

Regards,

STEVEN R. RIDENOUR, PG, REA
SENIOR PROJECT MANAGER/SENIOR GEOLOGIST III

ALTA ENVIRONMENTAL

3777 Long Beach Blvd. Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.997.6500 f. 562.495.5877
steve.ridenour@altaenviron.com | www.altaenviron.com

Welcome to Alta Environmental! Effective July 2011, Alta Environmental represents the combined teams of Winefield & Associates and our recent acquisitions, Coffey Environments/CTL Environmental Services and Justice & Associates. Alta Environmental is a premiere environmental consultancy for industrial and construction interests throughout California. For more information about our subsurface remediation, environmental compliance, and occupational safety capabilities, please click here for our website.

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From: Vikas Patel [mailto:vipatel@calscience.com]
Sent: Friday, July 19, 2013 11:25 AM
To: Steve Ridenour
Cc: Reid Shigeno; Vikas Patel
Subject: Panama Site / MCGU-13-2252 / CEL 13-07-1227

Steve -

We did not receive a sleeve for samples B74-1, B74-2.5, B74-5, and B74-10. Thus, we will not be able to perform SVOC and Metals analyses on these samples.

Vik Patel
Project Manager

Calscience

7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494
www.calscience.com

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Vikas Patel

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Friday, July 19, 2013 5:05 PM
To: Vikas Patel
Subject: COC #13-07-1227

Vikas, please rush the VOC (EPA Method 8260B) analyses on a 24-hr TAT basis for the following samples (no rush for Title 22 metals or 1,4-dioxane):

B101-2.5
B101-5
B101-10
B75-1
B75-2.5
B75-5
B75-10
B100-1
B100-2.5
B100-5
B100-10
B99-1
B99-2.5
B99-5
B99-10
B77-1
B77-2.5
B77-5
B77-10
B98-1
B98-2.5
B98-5
B98-10

In addition, additional samples were collected today for VOC analysis. From today's samples, please analyze B97-1, B97-2.5, B97-5, and B97-10 for VOCs on a 24-hr TAT rush analysis.

Regards,

STEVEN R. RIDENOUR, PG, REA
SENIOR PROJECT MANAGER/SENIOR GEOLOGIST III

ALTA ENVIRONMENTAL

3777 Long Beach Blvd. Annex Building. Long Beach, CA 90807
o. 562.495.5777 c. 310.997.6500 f. 562.495.5877
steve.ridenour@altaenviron.com | www.altaenviron.com

Welcome to Alta Environmental! Effective July 2011, Alta Environmental represents the combined teams of Winefield & Associates and our recent acquisitions, Coffey Environments/CTL Environmental Services and Justice & Associates. Alta Environmental is a premiere environmental consultancy for industrial and

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Vikas Patel

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Friday, July 26, 2013 3:00 PM
To: Vikas Patel; Nicole Scott
Cc: Jonathan Barkman; Kristyn Drake
Subject: Teledyne - Additional Analyses Request for VOCs

Vik/Nicole,

For Chain-of-Custody No. 13-07-1227, please analyze the following held samples for VOCs by EPA 8260B (normal TAT):
B74-1
B74-10
B76-1
B76-10
B78-1
B78-10
B79-1
B79-10
B82-1
B82-10
B80-1
B80-10
B88-1
B88-10
B86-1
B86-10

For Chain-of-Custody No. 13-07-1333, please analyze the following held samples for VOCs by EPA Method 8260B (normal TAT):
B97-1
B97-10
B81-1
B81-10
B85-1
B85-10
B84-1
B84-10
B87-1
B87-10
B89-1
B89-10
B90-1
B90-2.5
B83-1
B83-10
B96-1
B96-10

Regards,

STEVEN R. RIDENOUR, PG

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Calscience Environmental Laboratories, Inc.

7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 13-07-1227

DATE: 7/18/13
PAGE: 1 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5085/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	ARCHIVE					
1	B101-2.5	7/18/13	0745	SOIL	4		X						X			X				X							
2	-5		0750										X			X				X							
3	-10		0755										X			X											
4	B75-1		0805										X			X											
5	-2.5		0810										X			X				X							
6	-5		0815										X			X				X							
7	-10		0820										X			X											
	~~BNV-B108-2.5~~		~~0830~~																					OMIT			
	~~5~~		~~0835~~																					OMIT			
8	B74-1		0845													X						X					

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1605
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

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GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-0612217

DATE: 7/18/13
PAGE: 2 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.: MCGU-13-2252
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-Dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]	Archive				Archive
9	B74-2.5	7/18/13	0850	Soil	4		X						X			X				X			(S2)			X
10	-5		0855										X			X				X				(S2)		
11	-10		~~0900~~													X										X
12	B100-1		0905										X			X							(S1)			
13	-2.5		0910										X			X				X						
14	-5 MS/MSD		0915										X			X				X						
15	-10		0920										X			X										
16	B76-1		0935																							X
17	-2.5		0940										X			X				X						
18	-5		0945										X			X				X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	Aly Mangan CSE	7/18/13	1615
Aly Mangan	[signature] CSE	7/18/13	1835
		Date:	Time:

06/01/10 Revision

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Calscience Environmental Laboratories, Inc.

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GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO.# / LAB USE ONLY: 6 7 - 1 2 2 7

DATE: 7/18/13
PAGE: 3 OF 6

LABORATORY CLIENT: Alta Environmental	CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
ADDRESS: 3777 Long Beach Blvd, Annex Building	P.O. NO.: MCGU-13-2252
CITY: Long Beach STATE: CA ZIP: 90807	PROJECT CONTACT: Jonathan Barkman
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com	SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF | GLOBAL ID: | LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/NC	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-Dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
19	B76-10	7/18/13	0950	Soil	4		X						X			X							X			
20	B99-1		1000										X			X										
21	-2.5		1005										X			X				X						
22	-5		1010										X			X				X						
23	-10		1015										X			X										
24	B78-1		1020													X							X			
25	-2.5		1025										X			X				X						
26	-5		1030										X			X				X						
27	-10		1035													X							X			
28	B77-1		1100										X			X										

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1605
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

PRELIMINARY REPORT

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1237

DATE: 7/18/13

PAGE: 4 OF 6

LABORATORY CLIENT: Alta Environmental

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252

P.O. NO.: MCGU-13-2252

PROJECT CONTACT: Jonathan Barkman

SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035's/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH (	BTEX / MTBE (8260) or (	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-D'IOXane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
29	B77-2.5	7/18/13	1105	SOIL	4		X						X			X				X						
30	-5		1110										X			X				X						
31	-10		1115										X			X										
32	B98-1		1145										X			X										
33	-2.5		1150										X			X				X						
34	-5		1155										X			X				X						
35	-10		1200										X			X										
36	B79-1		1240													X							X			
37	-2.5		1245										X			X				X						
38	-5		1250										X			X				X						

Relinquished by: (Signature)	Received by: (Signature/Affiliation) ALS Maya CRL	Date: 7/18/13	Time: 1616
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 07-1373

DATE: 7/18/13

PAGE: 5 OF 6

LABORATORY CLIENT: Alta Environmental

ADDRESS: 3777 Long Beach Blvd, Annex Building

CITY: Long Beach STATE: CA ZIP: 90807

TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252

P.O. NO.:

PROJECT CONTACT: Jonathan Barkman

SAMPLER(S): (PRINT) K. Deake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ice	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
39	B79-10	7/18/13	1255	SOIL	4		X									X							X			
40	B82-1		1315													X							X			
41	-2.5		1320										X			X			Y	X						
42	-5		1325										X			X				X						
43	-10		1330													X							X			
44	B80-1		1345													X							X			
45	-2.5		1350										X			X				X						
46	-5		1355										X			X				X						
47	-10		1400													X										
48	B88-1		1145													X							X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation) AM Mungs CCL	Date: 7/18/13	Time: 1616
Relinquished by: (Signature)	Received by: (Signature/Affiliation) CCL	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

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CHAIN OF CUSTODY RECORD

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

WO # / LAB USE ONLY: 07-1227

DATE: 7/18/13
PAGE: 6 OF 6

LABORATORY CLIENT: Alta Environmental
ADDRESS: 3777 Long Beach Blvd, Annex Building
CITY: Long Beach STATE: CA ZIP: 90807
TEL: 562-495-5777 E-MAIL: jonathan.barkman@altaenviron.com, reid.shigeno@altaenviron.com

CLIENT PROJECT NAME / NUMBER: Panama Site / MCGU-13-2252
P.O. NO.:
PROJECT CONTACT: Jonathan Barkman
SAMPLER(S): (PRINT) K. Drake

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS
☐ COELT EDF GLOBAL ID: LOG CODE:
SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved 5035/ICE	Field Filtered	TPH(g) or GRO	TPH(d) or DRO or (C6-C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	~~SVOCs~~ (8270) 1,4-dioxane	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010/747X)	Cr(VI) [7196 or 7199 or 218.6]		ARCHIVE			
49	B88-2.5	7/18/13	1420	SOIL	4		X						X			X				X						
50	-5		1425										X			X				X						
51	-10		1430													X										
52	B86-1		1500													X							X			
53	-2.5		1505										X			X				X						
54	-5		1510										X			X				X						
55	-10		1515													X							X			

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1615
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date: 7/18/13	Time: 1835
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/01/10 Revision

PRELIMINARY PROOF

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Nicole Scott

From: Steve Ridenour [steve.ridenour@altaenviron.com]
Sent: Tuesday, September 24, 2013 11:29 AM
To: Vikas Patel; Nicole Scott
Subject: FW: STLC/TCLP Analyses

Need a 24-hr rush or ASAP TAT on the STLC/TCLP analyses requested on 9/23/13.

Regards,

STEVEN R. RIDENOUR, PG
SENIOR PROJECT MANAGER/SENIOR GEOLOGIST III

ALTA ENVIRONMENTAL

3777 Long Beach Blvd, Annex Building, Long Beach, CA 90807
o. 562.495.5777 c. 310.997.6500 f. 562.495.5877
steve.ridenour@altaenviron.com | www.altaenviron.com

Welcome to Alta Environmental! Effective July 2011, Alta Environmental represents the combined teams of Winefield & Associates and our recent acquisitions, Coffey Environments/CTL Environmental Services and Justice & Associates. Alta Environmental is a premiere environmental consultancy for industrial and construction interests throughout California. For more information about our subsurface remediation, environmental compliance, and occupational safety capabilities, please click here for our website.

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From: Steve Ridenour
Sent: Monday, September 23, 2013 4:22 PM
To: 'Vikas Patel'
Subject: STLC/TCLP Analyses

Vikas, please analyze sample B76-2.5 (COC #07-1227) for the following:

- Analyze STLC and TCLP for cadmium and selenium.
- Analyze STLC For beryllium.
- Analyze STLC for chromium.

Thank you.

Regards,

STEVEN R. RIDENOUR, PG
SENIOR PROJECT MANAGER/SENIOR GEOLOGIST III

JONES ENVIRONMENTAL, INC.

P.O. Box 5387 | Fullerton, CA 92838
(714) 449-9937 | Fax (714) 449-9685

JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/19/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7117
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/19/2013
		Date Received:	7/19/2013
Project Name:	Panama Site	**Date Analyzed:**	7/19/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-propanol or n-pentane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 10 purge volumes were used since previous sampling events determined this to be the appropriate purging volume.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for some length of time. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity.

All samples were injected within 30 minutes of sampling.

Approval: 

Steve Jones, Ph.D.
Laboratory Manager

JONES ENVIRONMENTAL, INC.
P.O. Box 5387 | Fullerton, CA 92838
(714) 449-9937 | Fax (714) 449-9685

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/19/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7117
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/19/2013
		Date Received:	7/19/2013
Project:	Panama Site	**Date Analyzed:**	7/19/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV92-5'**	**SV91-5'**	**SV94-5'**	**SV93-5'**	**SV93-10'**		
JEL ID:	**A-7117-02**	**A-7117-03**	**A-7117-05**	**A-7117-06**	**A-7117-07**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	**0.054**	ND	ND	**0.066**	**0.060**	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV92-5'**	**SV91-5'**	**SV94-5'**	**SV93-5'**	**SV93-10'**		
JEL ID:	**A-7117-02**	**A-7117-03**	**A-7117-05**	**A-7117-06**	**A-7117-07**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**1.75**	**8.44**	**0.063**	**9.81**	**12.4**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**1.33**	**78.5***	**14.6**	**134***	**93.9***	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	ND	**0.104**	**0.226**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1/20*	1	1/20*	1/10*		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	115%	100%	97%	100%	99%	75 - 125	
Toluene-d_8	107%	100%	96%	90%	100%	75 - 125	
4-Bromofluorobenzene	110%	94%	88%	90%	99%	75 - 125	
	A2-071913-A-7117	A2-071913-A-7117	A2-071913-A-7117	A2-071913-A-7117	A2-071913-A-7117		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

JONES ENVIRONMENTAL, INC.
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(714) 449-9937 | Fax (714) 449-9685

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/19/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7117 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/19/2013
		Date Received:	7/19/2013
Project:	Panama Site	**Date Analyzed:**	7/19/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV95-5'**	**SV95-5' DUP**	**SV101-4'**	**SV101-8'**	**SV75-10'**		
JEL ID:	**A-7117-09**	**A-7117-10**	**A-7117-11**	**A-7117-13**	**A-7117-14**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV95-5'**	**SV95-5' DUP**	**SV101-4'**	**SV101-8'**	**SV75-10'**		
JEL ID:	**A-7117-09**	**A-7117-10**	**A-7117-11**	**A-7117-13**	**A-7117-14**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**0.761**	**0.788**	**0.066**	**0.100**	**0.335**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**7.27**	**7.84**	**15.7**	**9.39**	**4.17**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**1.05**	**1.08**	**0.076**	**0.035**	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	100%	104%	104%	103%	102%	75 - 125	
Toluene-d_8	100%	98%	99%	94%	98%	75 - 125	
4-Bromofluorobenzene	93%	91%	92%	91%	94%	75 - 125	
	A2-071913-A-7117	A2-071913-A-7117	A2-071913-A-7117	A2-071913-A-7117	A2-071913-A-7117		

ND= Not Detected

JONES ENVIRONMENTAL, INC.
P.O. Box 5387 | Fullerton, CA 92838
(714) 449-9937 | Fax (714) 449-9685

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/19/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7117
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/19/2013
		Date Received:	7/19/2013
Project:	Panama Site	**Date Analyzed:**	7/19/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV94-10'**	**SV100-4'**	**SV100-8'**	**SV99-5'**	**SV99-10'**		
JEL ID:	**A-7117-15**	**A-7117-16**	**A-7117-17**	**A-7117-18**	**A-7117-19**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	**0.748**	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV94-10'**	**SV100-4'**	**SV100-8'**	**SV99-5'**	**SV99-10'**		
JEL ID:	**A-7117-15**	**A-7117-16**	**A-7117-17**	**A-7117-18**	**A-7117-19**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	**0.223**	**0.565**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	**0.102**	**0.047**	ND	ND	**0.045**	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**4.33**	**2.92**	**2.89**	**0.814**	**3.73**	0.008	µg/L
Toluene	**0.466**	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	**0.019 J**	**0.020 J**	**2.62**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	**0.584**	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	106%	106%	109%	103%	102%	75 - 125	
Toluene-d_8	96%	105%	104%	100%	99%	75 - 125	
4-Bromofluorobenzene	94%	101%	104%	96%	94%	75 - 125	
	A2-071913-A-7117	A2-071913-A-7117	A2-071913-A-7117	A2-071913-A-7117	A2-071913-A-7117		

ND= Not Detected

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/19/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7117
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/19/2013
		Date Received:	7/19/2013
Project:	Panama Site	**Date Analyzed:**	7/19/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**		
JEL ID:	**A-7117-20**	**A-7117-21**	**Method Detection Limit**	**Units**
Analytes:				
Benzene	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	0.008	µg/L
Bromoform	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	0.008	µg/L
Chloroethane	ND	ND	0.008	µg/L
Chloroform	ND	ND	0.008	µg/L
Chloromethane	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK		
JEL ID:	**A-7117-20**	**A-7117-21**	**Method Detection Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	0.008	µg/L
Freon 113	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	0.008	µg/L
Naphthalene	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	0.008	µg/L
Styrene	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	0.008	µg/L
Toluene	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	0.008	µg/L
Xylenes	ND	ND	0.008	µg/L
MTBE	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	0.040	µg/L
TIC:				
n-propanol	ND	ND	0.008	µg/L
n-pentane	ND	ND	0.008	µg/L
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	91%	105%	75 - 125	
Toluene-d_8	100%	101%	75 - 125	
4-Bromofluorobenzene	102%	103%	75 - 125	
	A2-071913-A-7117	A2-071913-A-7117		

ND= Not Detected

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	7/19/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7117 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	7/19/2013 7/19/2013
Project:	Panama Site	**Date Analyzed:**	7/19/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** A2-071913-A-7117

JEL ID:	**A-7117-23**	**A-7117-24**			**A-7117-22**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	73%	73%	1.3%	70-130	81%	70-130
Benzene	106%	108%	1.5%	70-130	109%	70-130
Trichloroethylene	111%	117%	5.5%	70-130	118%	70-130
Toluene	103%	106%	2.2%	70-130	107%	70-130
Chlorobenzene	115%	113%	1.6%	70-130	122%	70-130
Surrogate Recovery:						
Dibromofluoromethane	98%	105%		75-125	98%	75-125
Toluene-d_8	104%	103%		75-125	104%	75-125
4-Bromofluorobenzene	99%	108%		75-125	105%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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Chain-of-Custody Record

Client: Alta Environmental, Inc.
Project Name: Panama Site
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Date: 7/19/2013
Client Project #: MCGU-13-2252

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: _____ cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: A-7117
Page 1 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B				Magnehelic Vacuum (in/H_2O)	Number of Containers	Remarks/Special Instructions
SV92-10'	NO	FLOW	7/19	0833		A-7117-01						>100	Ø	glass gastight syringe
SV92-5'	10	7575	7/19	0910	0919	A-7117-02	SG	X				<2	1	NO FLOW
SV91-5'	10	7575	7/19	~~0923~~ 1125	1128 0937	A-7117-03	SG	X				<2	1	
SV91-10'	NO	FLOW	7/19	0949		A-7117-04						>100	Ø	NO FLOW
SV94-5'	10	7575	7/19	~~09~~ 1037	1036	A-7117-05	SG	X				<2	1	
SV93-5'	10	7575	7/19	1046	1052	A-7117-06	SG	X				<2	1	
SV93-10'	10	7853	7/19	1111	1113	A-7117-07	SG	X				5	1	
SV95-10'	NO	FLOW	7/19	1228		A-7117-08						>100	Ø	NO FLOW
SV95-5'	10	7575	7/19	1235	1245	A-7117-09	SG	X				<2	1	
SV95-5' DUP	10	7575	7/19	1240	1259	A-7117-10	SG	X				<2	1	

❶ Relinquished by (signature)	Date	❷ Received by (signature)	Date 7/19/13	7 Total Number of Containers
Company Alta Environmental	Time	Company JEL	Time	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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Chain-of-Custody Record

Client: Alta Environmental, Inc.
Date: 7/19/2013
Project Name: Panama Site
Client Project #: MCGH-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: A-7117
Page 2 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☑ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B				Magnehelic Vacuum (in/H_2O)	Number of Containers	Remarks/Special Instructions
SV101-4'	10	7519	7/19	1312	1317	A-7117-11	SG	X				<2	1	glass gas-tight syringe
SV75-5'	NO	FLOW	7/19	1314		A-7117-12						>100	Ø	NO FLOW
~~SV75-8~~ SV101-8'	10	7742	7/19	1331	1335	A-7117-13	SG	X				2	1	
SV75-10'	10	7853	7/19	1351	1353	A-7117-14	SG	X				<2	1	
SV94-10'	10	7853	7/19	1402	1405	A-7117-15	SG	X				48	1	LOW FLOW
SV100-4	10	7519	7/19	1422	1426	A-7117-16	SG	X				3	3	1
SV100-8	10	7742	7/19	1443	1447	A-7117-17	SG	X				<2	1	
SV99-5	10	7515	7/19	1501	1504	A-7117-18	SG	X				4	1	
SV99-10	10	7853	7/19	1520	1522	A-7117-19	SG	X				<2	1	

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❶ Relinquished by (signature)	Date	❷ Received by (signature)	Date 7/19/13	8	Total Number of Containers
Company: Alta Environmental	Time	Company: JEL	Time		
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date		
Company	Time	Company	Time		

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

JONES ENVIRONMENTAL, INC.

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/11/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7103
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/11/2013
		Date Received:	6/11/2013
Project Name:	Panama Site	**Date Analyzed:**	6/11/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-propanol or n-pentane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 10 purge volumes were used since previous sampling events determined this to be the appropriate purging volume.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for some length of time. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval: 

Steve Jones, Ph.D.
Laboratory Manager

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/11/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7103
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/11/2013
		Date Received:	6/11/2013
Project:	Panama Site	**Date Analyzed:**	6/11/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV63-5**	**SV63-5 DUP**	**SV6-3**		
JEL ID:	**A-7103-01**	**A-7103-02**	**A-7103-03**	**Method Detection Limit**	**Units**
Analytes:					
Benzene	ND	ND		0.008	µg/L
Bromobenzene	ND	ND		0.008	µg/L
Bromodichloromethane	ND	ND		0.008	µg/L
Bromoform	ND	ND		0.008	µg/L
n-Butylbenzene	ND	ND		0.008	µg/L
sec-Butylbenzene	ND	ND		0.008	µg/L
tert-Butylbenzene	ND	ND		0.008	µg/L
Carbon tetrachloride	ND	ND		0.008	µg/L
Chlorobenzene	ND	ND		0.008	µg/L
Chloroethane	ND	ND		0.008	µg/L
Chloroform	ND	ND		0.008	µg/L
Chloromethane	ND	ND		0.008	µg/L
2-Chlorotoluene	ND	ND	**N**	0.008	µg/L
4-Chlorotoluene	ND	ND	**O**	0.008	µg/L
Dibromochloromethane	ND	ND		0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	**F**	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	**L**	0.008	µg/L
Dibromomethane	ND	ND	**O**	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	**W**	0.008	µg/L
1,3-Dichlorobenzene	ND	ND		0.008	µg/L
1,4-Dichlorobenzene	ND	ND		0.008	µg/L
Dichlorodifluoromethane	ND	ND		0.008	µg/L
1,1-Dichloroethane	ND	ND		0.008	µg/L
1,2-Dichloroethane	ND	ND		0.008	µg/L
1,1-Dichloroethene	ND	ND		0.008	µg/L
cis-1,2-Dichloroethene	ND	ND		0.008	µg/L
trans-1,2-Dichloroethene	ND	ND		0.008	µg/L
1,2-Dichloropropane	ND	ND		0.008	µg/L
1,3-Dichloropropane	ND	ND		0.008	µg/L
2,2-Dichloropropane	ND	ND		0.008	µg/L
1,1-Dichloropropene	ND	ND		0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV63-5**	**SV63-5 DUP**	**SV6-3**		
JEL ID:	**A-7103-01**	**A-7103-02**	**A-7103-03**	**Method Detection Limit**	**Units**
Analytes:					
cis-1,3-Dichloropropene	ND	ND		0.008	µg/L
trans-1,3-Dichloropropene	ND	ND		0.008	µg/L
Ethylbenzene	ND	ND		0.008	µg/L
Freon 113	ND	ND		0.008	µg/L
Hexachlorobutadiene	ND	ND		0.008	µg/L
Isopropylbenzene	ND	ND		0.008	µg/L
4-Isopropyltoluene	ND	ND		0.008	µg/L
Methylene chloride	ND	ND		0.008	µg/L
Naphthalene	ND	ND		0.008	µg/L
n-Propylbenzene	ND	ND		0.008	µg/L
Styrene	ND	ND		0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND		0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	**N**	0.008	µg/L
Tetrachloroethylene	ND	ND	**O**	0.008	µg/L
Toluene	ND	ND		0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	**F**	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	**L**	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	**O**	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	**W**	0.008	µg/L
Trichloroethylene	ND	ND		0.008	µg/L
Trichlorofluoromethane	ND	ND		0.008	µg/L
1,2,3-Trichloropropane	ND	ND		0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND		0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND		0.008	µg/L
Vinyl chloride	ND	ND		0.008	µg/L
Xylenes	ND	ND		0.008	µg/L
MTBE	ND	ND		0.008	µg/L
Ethyl-tert-butylether	ND	ND		0.008	µg/L
Di-isopropylether	ND	ND		0.008	µg/L
tert-amylmethylether	ND	ND		0.008	µg/L
tert-Butylalcohol	ND	ND		0.040	µg/L
TIC:					
n-propanol	ND	ND		0.008	µg/L
n-pentane	ND	ND		0.008	µg/L
Dilution Factor	1	1			
Surrogate Recoveries:				**QC Limits**	
Dibromofluoromethane	104%	108%		75 - 125	
Toluene-d_8	101%	101%		75 - 125	
4-Bromofluorobenzene	105%	106%		75 - 125	
	A2-061113-A-7103	A2-061113-A-7103			

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/11/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7103 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/11/2013
		Date Received:	6/11/2013
Project:	Panama Site	**Date Analyzed:**	6/11/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**	**Method Detection Limit**	**Units**
JEL ID:	**A-7103-04**	**A-7103-05**		
Analytes:				
Benzene	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	0.008	µg/L
Bromoform	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	0.008	µg/L
Chloroethane	ND	ND	0.008	µg/L
Chloroform	ND	ND	0.008	µg/L
Chloromethane	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK		
JEL ID:	**A-7103-04**	**A-7103-05**	**Method Detection Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	0.008	µg/L
Freon 113	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	0.008	µg/L
Naphthalene	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	0.008	µg/L
Styrene	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	0.008	µg/L
Toluene	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	0.008	µg/L
Xylenes	ND	ND	0.008	µg/L
MTBE	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	0.040	µg/L
TIC:				
n-propanol	ND	ND	0.008	µg/L
n-pentane	ND	ND	0.008	µg/L
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	120%	108%	75 - 125	
Toluene-d_8	95%	103%	75 - 125	
4-Bromofluorobenzene	99%	98%	75 - 125	
	A2-061113-A-7103	A2-061113-A-7103		

ND= Not Detected

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	6/11/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7103 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	6/11/2013 6/11/2013
Project:	Panama Site	**Date Analyzed:**	6/11/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** A2-061113-A-7103

JEL ID:	**A-7103-07**	**A-7103-08**			**A-7103-06**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	120%	127%	6.0%	70-130	125%	70-130
Benzene	111%	110%	0.8%	70-130	111%	70-130
Trichloroethylene	95%	94%	1.1%	70-130	91%	70-130
Toluene	97%	94%	2.9%	70-130	108%	70-130
Chlorobenzene	108%	107%	0.8%	70-130	121%	70-130
Surrogate Recovery:						
Dibromofluoromethane	100%	103%		75-125	77%	75-125
Toluene-d_8	91%	97%		75-125	96%	75-125
4-Bromofluorobenzene	99%	96%		75-125	109%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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Chain-of-Custody Record

Client: Alta Environmental, Inc
Date: 6/11/2013
Project Name: Panama Site
Client Project #: MCGU-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project # A-7103
Page 1 of 1

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B	Analysis Requested	Analysis Requested	Magnehelic Vacuum (in/H_2O)	Number of Containers	Remarks/Special Instructions
SV63-5	10	7575	6/11	1046		A-7103-01	SG	X			<2	1	glass gastight syringe
SV63-5 DUP	10	7575	6/11	1047		A-7103-02	SG	X			<2	1	glass gastight syringe
SV63-10			6/11	1118		A-7103-03					>100		NO FLOW

❶ Relinquished by (signature)	Date 6/11/13	❷ Received by (signature)	Date 6/11/13	2	Total Number of Containers
Company Alta Environmental	Time 1135	Company JEL	Time 1135		
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date		
Company	Time	Company	Time		

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

JONES ENVIRONMENTAL, INC.

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/10/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7102
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/10/2013
		Date Received:	6/10/2013
Project Name:	Panama Site	**Date Analyzed:**	6/10/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-propanol or n-pentane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 10 purge volumes were used since previous sampling events determined this to be the appropriate purging volume.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for some length of time. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval: 

Steve Jones, Ph.D.
Laboratory Manager

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/10/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7102
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/10/2013
		Date Received:	6/10/2013
Project:	Panama Site	**Date Analyzed:**	6/10/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV40-4**	**SV40-8**	**SV45-5**	**SV45-10**	**SV55-4**		
JEL ID:	**A-7102-01**	**A-7102-02**	**A-7102-05**	**A-7102-06**	**A-7102-07**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	**17.1**	**15.6**	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	**0.860**	**0.319**	ND	ND	**2.20**	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**4.47**	**3.94**	ND	ND	**0.010 J**	0.008	µg/L
cis-1,2-Dichloroethene	**69.6***	**46.7***	**105***	**212***	**120***	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV40-4**	**SV40-8**	**SV45-5**	**SV45-10**	**SV55-4**		
JEL ID:	**A-7102-01**	**A-7102-02**	**A-7102-05**	**A-7102-06**	**A-7102-07**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	**0.032 J**	**0.040 J**	**0.041 J**	**0.793**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	**0.293**	**0.055**	**0.714**	ND	0.008	µg/L
Toluene	**0.488**	**1.01**	**0.545**	**0.553**	**0.645**	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**5.46**	**8.66**	**10.7**	**19.1**	**0.058 J**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	**6.78**	**5.73**	**23.0**	**21.5**	**0.015 J**	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/20*	1/20*	1/20*	1/50*	1/100*		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	105%	103%	94%	112%	100%	75 - 125	
Toluene-d_8	104%	100%	104%	105%	107%	75 - 125	
4-Bromofluorobenzene	107%	100%	99%	107%	92%	75 - 125	
	A2-061013-A-7102	A2-061013-A-7102	A2-061013-A-7102	A2-061013-A-7102	A2-061013-A-7102		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/10/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7102
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/10/2013
		Date Received:	6/10/2013
Project:	Panama Site	**Date Analyzed:**	6/10/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV55-8**	**SV46-4**	**SV46-4 DUP**	**SV46-8**	**SV57-4'**		
JEL ID:	**A-7102-08**	**A-7102-09**	**A-7102-10**	**A-7102-11**	**A-7102-13**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**1.90**	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**269***	**0.159**	**0.494**	**0.785**	**0.034**	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV55-8**	**SV46-4**	**SV46-4 DUP**	**SV46-8**	**SV57-4'**		
JEL ID:	**A-7102-08**	**A-7102-09**	**A-7102-10**	**A-7102-11**	**A-7102-13**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**0.139**	**5.73**	**5.91**	**10.8**	**0.019 J**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**0.098**	**24.7**	**24.0**	**6.61**	**4.52**	0.008	µg/L
Toluene	**0.090**	**0.384**	**0.378**	**0.168**	**0.032**	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	**0.168**	**0.180**	**0.294**	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**19.3**	**10.6**	**11.1**	**10.1**	**0.046**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	**5.49**	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/100*	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	107%	99%	103%	101%	104%	75 - 125	
Toluene-d_8	95%	102%	100%	97%	101%	75 - 125	
4-Bromofluorobenzene	92%	95%	97%	99%	103%	75 - 125	
	A2-061013-A-7102	A2-061013-A-7102	A2-061013-A-7102	A2-061013-A-7102	A2-061013-A-7102		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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(714) 449-9937 | Fax (714) 449-9685

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/10/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7102
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/10/2013
		Date Received:	6/10/2013
Project:	Panama Site	**Date Analyzed:**	6/10/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV57-9.5'**	**SB58-5'**	**SV58-10'**	**SV53-4'**	**SV52-4**		
JEL ID:	**A-7102-14**	**A-7102-15**	**A-7102-16**	**A-7102-17**	**A-7102-03**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND		0.008	µg/L
Bromobenzene	ND	ND	ND	ND		0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND		0.008	µg/L
Bromoform	ND	ND	ND	ND		0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND		0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND		0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND		0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND		0.008	µg/L
Chlorobenzene	ND	ND	ND	ND		0.008	µg/L
Chloroethane	ND	ND	ND	ND		0.008	µg/L
Chloroform	ND	ND	ND	ND		0.008	µg/L
Chloromethane	ND	ND	ND	ND		0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	**N**	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	**O**	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND		0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	**F**	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	**L**	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	**O**	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	**W**	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND		0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND		0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND		0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND		0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	**0.017 J**		0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND		0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	**11.3**		0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND		0.008	µg/L
1,2-Dichloropropane	**2.97**	ND	ND	ND		0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND		0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND		0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND		0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV57-9.5'**	**SB58-5'**	**SV58-10'**	**SV53-4'**	**SV52-4**		
JEL ID:	**A-7102-14**	**A-7102-15**	**A-7102-16**	**A-7102-17**	**A-7102-03**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND		0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND		0.008	µg/L
Ethylbenzene	ND	ND	ND	ND		0.008	µg/L
Freon 113	**0.023 J**	**0.272**	**0.466**	**0.436**		0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND		0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND		0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND		0.008	µg/L
Methylene chloride	ND	ND	ND	ND		0.008	µg/L
Naphthalene	ND	ND	ND	ND		0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND		0.008	µg/L
Styrene	ND	ND	ND	ND		0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND		0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	**N**	0.008	µg/L
Tetrachloroethylene	**1.52**	**2.12**	**2.02**	**0.548**	**O**	0.008	µg/L
Toluene	**0.098**	**0.096**	**0.117**	**0.486**		0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	**F**	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	**L**	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	**O**	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	**W**	0.008	µg/L
Trichloroethylene	**0.046**	ND	**0.022 J**	**10.8**		0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND		0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND		0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND		0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND		0.008	µg/L
Vinyl chloride	ND	ND	ND	ND		0.008	µg/L
Xylenes	ND	ND	ND	ND		0.008	µg/L
MTBE	ND	ND	ND	ND		0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND		0.008	µg/L
Di-isopropylether	ND	ND	ND	ND		0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND		0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND		0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND		0.008	µg/L
n-pentane	ND	ND	ND	ND		0.008	µg/L
Dilution Factor	1	1	1	1			
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	98%	85%	89%	94%		75 - 125	
Toluene-d_8	94%	99%	97%	103%		75 - 125	
4-Bromofluorobenzene	99%	102%	99%	101%		75 - 125	
	A2-061013-A-7102	A2-061013-A-7102	A2-061013-A-7102	A2-061013-A-7102			

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/10/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7102
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/10/2013
		Date Received:	6/10/2013
Project:	Panama Site	**Date Analyzed:**	6/10/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV52-8**	**SV53-8**		
JEL ID:	**A-7102-04**	**A-7102-12**	**Method Detection Limit**	**Units**
Analytes:				
Benzene			0.008	µg/L
Bromobenzene			0.008	µg/L
Bromodichloromethane			0.008	µg/L
Bromoform			0.008	µg/L
n-Butylbenzene			0.008	µg/L
sec-Butylbenzene			0.008	µg/L
tert-Butylbenzene			0.008	µg/L
Carbon tetrachloride			0.008	µg/L
Chlorobenzene			0.008	µg/L
Chloroethane			0.008	µg/L
Chloroform			0.008	µg/L
Chloromethane			0.008	µg/L
2-Chlorotoluene	**N**	**N**	0.008	µg/L
4-Chlorotoluene	**O**	**O**	0.008	µg/L
Dibromochloromethane			0.008	µg/L
1,2-Dibromo-3-chloropropane	**F**	**F**	0.008	µg/L
1,2-Dibromoethane (EDB)	**L**	**L**	0.008	µg/L
Dibromomethane	**O**	**O**	0.008	µg/L
1,2- Dichlorobenzene	**W**	**W**	0.008	µg/L
1,3-Dichlorobenzene			0.008	µg/L
1,4-Dichlorobenzene			0.008	µg/L
Dichlorodifluoromethane			0.008	µg/L
1,1-Dichloroethane			0.008	µg/L
1,2-Dichloroethane			0.008	µg/L
1,1-Dichloroethene			0.008	µg/L
cis-1,2-Dichloroethene			0.008	µg/L
trans-1,2-Dichloroethene			0.008	µg/L
1,2-Dichloropropane			0.008	µg/L
1,3-Dichloropropane			0.008	µg/L
2,2-Dichloropropane			0.008	µg/L
1,1-Dichloropropene			0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV52-8**	**SV53-8**		
JEL ID:	**A-7102-04**	**A-7102-12**	**Method Detection Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene			0.008	µg/L
trans-1,3-Dichloropropene			0.008	µg/L
Ethylbenzene			0.008	µg/L
Freon 113			0.008	µg/L
Hexachlorobutadiene			0.008	µg/L
Isopropylbenzene			0.008	µg/L
4-Isopropyltoluene			0.008	µg/L
Methylene chloride			0.008	µg/L
Naphthalene			0.008	µg/L
n-Propylbenzene			0.008	µg/L
Styrene			0.008	µg/L
1,1,1,2-Tetrachloroethane			0.008	µg/L
1,1,2,2-Tetrachloroethane	**N**	**N**	0.008	µg/L
Tetrachloroethylene	**O**	**O**	0.008	µg/L
Toluene			0.008	µg/L
1,2,3-Trichlorobenzene	**F**	**F**	0.008	µg/L
1,2,4-Trichlorobenzene	**L**	**L**	0.008	µg/L
1,1,1-Trichloroethane	**O**	**O**	0.008	µg/L
1,1,2-Trichloroethane	**W**	**W**	0.008	µg/L
Trichloroethylene			0.008	µg/L
Trichlorofluoromethane			0.008	µg/L
1,2,3-Trichloropropane			0.008	µg/L
1,2,4-Trimethylbenzene			0.008	µg/L
1,3,5-Trimethylbenzene			0.008	µg/L
Vinyl chloride			0.008	µg/L
Xylenes			0.008	µg/L
MTBE			0.008	µg/L
Ethyl-tert-butylether			0.008	µg/L
Di-isopropylether			0.008	µg/L
tert-amylmethylether			0.008	µg/L
tert-Butylalcohol			0.040	µg/L
TIC:				
n-propanol			0.008	µg/L
n-pentane			0.008	µg/L
Dilution Factor				

Surrogate Recoveries:	**QC Limits**
Dibromofluoromethane	75 - 125
Toluene-d_8	75 - 125
4-Bromofluorobenzene	75 - 125

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/10/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7102
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/10/2013
		Date Received:	6/10/2013
Project:	Panama Site	**Date Analyzed:**	6/10/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**		
JEL ID:	**A-7102-18**	**A-7102-19**	**Method Detection Limit**	**Units**
Analytes:				
Benzene	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	0.008	µg/L
Bromoform	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	0.008	µg/L
Chloroethane	ND	ND	0.008	µg/L
Chloroform	ND	ND	0.008	µg/L
Chloromethane	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK		
JEL ID:	**A-7102-18**	**A-7102-19**	**Method Detection Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	0.008	µg/L
Freon 113	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	0.008	µg/L
Naphthalene	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	0.008	µg/L
Styrene	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	0.008	µg/L
Toluene	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	0.008	µg/L
Xylenes	ND	ND	0.008	µg/L
MTBE	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	0.040	µg/L
TIC:				
n-propanol	ND	ND	0.008	µg/L
n-pentane	ND	ND	0.008	µg/L
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	122%	103%	75 - 125	
Toluene-d_8	113%	100%	75 - 125	
4-Bromofluorobenzene	110%	104%	75 - 125	
	A2-061013-A-7102	A2-061013-A-7102		

ND= Not Detected

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	6/10/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7102 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	6/10/2013 6/10/2013
Project:	Panama Site	**Date Analyzed:**	6/10/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** A2-061013-A-7102

JEL ID:	**A-7102-21**	**A-7102-22**			**A-7102-20**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	106%	107%	0.8%	70-130	97%	70-130
Benzene	106%	107%	1.5%	70-130	127%	70-130
Trichloroethylene	94%	101%	6.4%	70-130	109%	70-130
Toluene	102%	110%	6.9%	70-130	105%	70-130
Chlorobenzene	112%	120%	7.4%	70-130	125%	70-130
Surrogate Recovery:						
Dibromofluoromethane	97%	97%		75-125	94%	75-125
Toluene-d_8	101%	108%		75-125	101%	75-125
4-Bromofluorobenzene	103%	105%		75-125	101%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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Chain-of-Custody Record

Client: Alta Environmental, Inc
Date: 6/10/13
Project Name: Panama Site
Client Project #: MCGI-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project # A-7102
Page 1 of 2
Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B	Analysis Requested	Analysis Requested	Analysis Requested	Magnehelic Vacuum (in/H_2O)	Number of Containers	Remarks/Special Instructions
SV40-4	10	7519	6/10	0757		A-7102-01	SG	X				<5	1	glass gastight syringe
SV40-8	10	7742	6/10	0806		A-7102-02	SG	X				<5	1	" "
SV52-4			6/10	0824		A-7102-03	~~SG~~	~~X~~				~~200~~		NO FLOW
SV52-8			6/10	0827		A-7102-04	~~SG~~	~~X~~				>100		NO FLOW
SV45-5	10	7575	6/10	0910		A-7102-05	SG	X				<5	1	glass gastight syringe
SV45-10	10	7853	6/10	0914		A-7102-06	SG	X				<5	1	
SV55-4	10	7519	6/10	1005		A-7102-07	SG	X				10	1	
SV55-8	10	7742	6/10	1018		A-7102-08	SG	X				5	1	
SV46-4	10	7519	6/10	1138		A-7102-09	SG	X				<5	1	
SV46-4 DUP	10	7519	6/10	1139		A-7102-10	SG	X				<5	1	

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❶ Relinquished by (signature)	Date 6/10/13	❷ Received by (signature)	Date 6/10/13	Total Number of Containers: 8
Company Alta	Time 1545	Company JEL	Time 15:45	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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Chain-of-Custody Record

Client: Alta Environmental, Inc
Date: 6/10/13
Project Name: Panama Site
Client Project #: MCGU-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project # A-7102

Page 2 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B				Analysis Requested: Magnehelic Vacuum (in/H_2O)	Number of Containers	Remarks/Special Instructions
SV46-8	10	7742	6/10	1204		A-7102-11	SG	X				<5	1	glass gastight syringe
SV53-8			6/10	1214		A-7102-12						>100		NO FLOW
SV57-4	10	7519	6/10	1303		A-7102-13	SG	X				<5	1	
SV57-9.5	10	7825	6/10/13	13:42		A-7102-14	SG	X				<2	1	
SV58-5	10	7575	6/10/13	14:21		A-7102-15	SG	X				<2	1	
SV58-10	10	7853	6/10/13	15:00		A-7102-16	SG	X				<2	1	
SV53-4	10	7519	6/10/13	15:16		A-7102-17	SG	X				57	1	LOW FLOW

14

❶ Relinquished by (signature)	Date 6/10/13	❷ Received by (signature)	Date 6/10/13	Total Number of Containers
Company A/tz	Time 1545	Company JEL	Time 15:45	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/7/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7100
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/7/2013
		Date Received:	6/7/2013
Project Name:	Panama Site	**Date Analyzed:**	6/7/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-propanol or n-pentane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 10 purge volumes were used since previous sampling events determined this to be the appropriate purging volume.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for some length of time. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval: 

Steve Jones, Ph.D.
Laboratory Manager

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/7/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7100
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/7/2013
		Date Received:	6/7/2013
Project:	Panama Site	**Date Analyzed:**	6/7/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV37-5**	**SV37-10**	**SV43-4**	**SV43-8**	**SV44-10**		
JEL ID:	**A-7100-01**	**A-7100-02**	**A-7100-03**	**A-7100-04**	**A-7100-06**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	**0.009 J**	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	**0.009 J**	**0.365**	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	**0.018 J**	**1.06**	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	**74.0***	**329***	**88.0***	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV37-5**	**SV37-10**	**SV43-4**	**SV43-8**	**SV44-10**		
JEL ID:	**A-7100-01**	**A-7100-02**	**A-7100-03**	**A-7100-04**	**A-7100-06**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	**0.017 J**	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**2.15**	**8.91**	**0.206**	**2.46**	**5.97**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	**0.013 J**	**0.020 J**	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	ND	**0.009 J**	**0.074**	**10.3**	**8.95**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	**0.015 J**	**2.34**	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1/20*	1/50*	1/20*		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	101%	98%	93%	93%	98%	75 - 125	
Toluene-d_8	106%	104%	105%	104%	108%	75 - 125	
4-Bromofluorobenzene	95%	102%	105%	105%	95%	75 - 125	
	A2-060713-A-7100_1	A2-060713-A-7100_1	A2-060713-A-7100_1	A2-060713-A-7100_1	A2-060713-A-7100_1		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/7/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7100
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/7/2013
		Date Received:	6/7/2013
Project:	Panama Site	**Date Analyzed:**	6/7/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV50-4**	**SV50-8**	**SV38-4**	**SV38-8**	**SV39-4**		
JEL ID:	**A-7100-07**	**A-7100-08**	**A-7100-09**	**A-7100-10**	**A-7100-11**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	**0.019 J**	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**0.013 J**	**0.293**	ND	ND	**0.267**	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV50-4**	**SV50-8**	**SV38-4**	**SV38-8**	**SV39-4**		
JEL ID:	**A-7100-07**	**A-7100-08**	**A-7100-09**	**A-7100-10**	**A-7100-11**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**3.21**	**16.6**	ND	**0.043 J**	**6.65**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	**7.57**	**2.33**	**7.49**	**0.083**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	**0.015 J**	**0.209**	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	ND	**0.263**	ND	ND	**0.500**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	99%	96%	100%	96%	96%	75 - 125	
Toluene-d_8	106%	110%	109%	107%	104%	75 - 125	
4-Bromofluorobenzene	101%	109%	104%	104%	104%	75 - 125	
	A2-060713-A-7100_1	A2-060713-A-7100_1	A2-060713-A-7100_1	A2-060713-A-7100_1	A2-060713-A-7100_1		

ND= Not Detected

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/7/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7100
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/7/2013
		Date Received:	6/7/2013
Project:	Panama Site	**Date Analyzed:**	6/7/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV39-8**	**SV51-4**	**SV51-4 DUP**	**SV51-8**	**MATERIAL BLANK**		
JEL ID:	**A-7100-12**	**A-7100-13**	**A-7100-14**	**A-7100-15**	**A-7100-16**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	**0.019 J**	**0.021 J**	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**0.021 J**	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**2.73**	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV39-8**	**SV51-4**	**SV51-4 DUP**	**SV51-8**	**MATERIAL BLANK**		
JEL ID:	**A-7100-12**	**A-7100-13**	**A-7100-14**	**A-7100-15**	**A-7100-16**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**284***	**17.5**	**16.4**	**80.7**	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**10.6***	**1.07**	**1.15**	**11.2**	ND	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	**0.990**	**0.949**	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**13.1**	**0.112**	**0.125**	**3.06**	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	**0.041**	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/50*	1	1	1/20*	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	95%	90%	95%	96%	99%	75 - 125	
Toluene-d_8	109%	104%	112%	119%	105%	75 - 125	
4-Bromofluorobenzene	104%	102%	103%	109%	105%	75 - 125	
	A2-060713-A-7100_1	A2-060713-A-7100_1	A2-060713-A-7100_1	A2-060713-A-7100_1	A2-060713-A-7100_1		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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(714) 449-9937 | Fax (714) 449-9685

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/7/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7100
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/7/2013
		Date Received:	6/7/2013
Project:	Panama Site	**Date Analyzed:**	6/7/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID: **SV44-5**

JEL ID: **A-7100-05**

Analytes:		**Method Detection Limit**	**Units**
Benzene		0.008	µg/L
Bromobenzene		0.008	µg/L
Bromodichloromethane		0.008	µg/L
Bromoform		0.008	µg/L
n-Butylbenzene		0.008	µg/L
sec-Butylbenzene		0.008	µg/L
tert-Butylbenzene		0.008	µg/L
Carbon tetrachloride		0.008	µg/L
Chlorobenzene		0.008	µg/L
Chloroethane		0.008	µg/L
Chloroform		0.008	µg/L
Chloromethane		0.008	µg/L
2-Chlorotoluene	**N**	0.008	µg/L
4-Chlorotoluene	**O**	0.008	µg/L
Dibromochloromethane		0.008	µg/L
1,2-Dibromo-3-chloropropane	**F**	0.008	µg/L
1,2-Dibromoethane (EDB)	**L**	0.008	µg/L
Dibromomethane	**O**	0.008	µg/L
1,2- Dichlorobenzene	**W**	0.008	µg/L
1,3-Dichlorobenzene		0.008	µg/L
1,4-Dichlorobenzene		0.008	µg/L
Dichlorodifluoromethane		0.008	µg/L
1,1-Dichloroethane		0.008	µg/L
1,2-Dichloroethane		0.008	µg/L
1,1-Dichloroethene		0.008	µg/L
cis-1,2-Dichloroethene		0.008	µg/L
trans-1,2-Dichloroethene		0.008	µg/L
1,2-Dichloropropane		0.008	µg/L
1,3-Dichloropropane		0.008	µg/L
2,2-Dichloropropane		0.008	µg/L
1,1-Dichloropropene		0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID: **SV44-5**

JEL ID:	**A-7100-05**	**Method Detection Limit**	**Units**
Analytes:			
cis-1,3-Dichloropropene		0.008	µg/L
trans-1,3-Dichloropropene		0.008	µg/L
Ethylbenzene		0.008	µg/L
Freon 113		0.008	µg/L
Hexachlorobutadiene		0.008	µg/L
Isopropylbenzene		0.008	µg/L
4-Isopropyltoluene		0.008	µg/L
Methylene chloride		0.008	µg/L
Naphthalene		0.008	µg/L
n-Propylbenzene		0.008	µg/L
Styrene		0.008	µg/L
1,1,1,2-Tetrachloroethane		0.008	µg/L
1,1,2,2-Tetrachloroethane	**N**	0.008	µg/L
Tetrachloroethylene	**O**	0.008	µg/L
Toluene		0.008	µg/L
1,2,3-Trichlorobenzene	**F**	0.008	µg/L
1,2,4-Trichlorobenzene	**L**	0.008	µg/L
1,1,1-Trichloroethane	**O**	0.008	µg/L
1,1,2-Trichloroethane	**W**	0.008	µg/L
Trichloroethylene		0.008	µg/L
Trichlorofluoromethane		0.008	µg/L
1,2,3-Trichloropropane		0.008	µg/L
1,2,4-Trimethylbenzene		0.008	µg/L
1,3,5-Trimethylbenzene		0.008	µg/L
Vinyl chloride		0.008	µg/L
Xylenes		0.008	µg/L
MTBE		0.008	µg/L
Ethyl-tert-butylether		0.008	µg/L
Di-isopropylether		0.008	µg/L
tert-amylmethylether		0.008	µg/L
tert-Butylalcohol		0.040	µg/L
TIC:			
n-propanol		0.008	µg/L
n-pentane		0.008	µg/L
Dilution Factor			

Surrogate Recoveries:	**QC Limits**
Dibromofluoromethane	75 - 125
Toluene-d_8	75 - 125
4-Bromofluorobenzene	75 - 125

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/7/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7100
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/7/2013
		Date Received:	6/7/2013
Project:	Panama Site	**Date Analyzed:**	6/7/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**		
JEL ID:	**A-7100-17**	**A-7100-18**	**Method Detection Limit**	**Units**
Analytes:				
Benzene	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	0.008	µg/L
Bromoform	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	0.008	µg/L
Chloroethane	ND	ND	0.008	µg/L
Chloroform	ND	ND	0.008	µg/L
Chloromethane	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK		
JEL ID:	**A-7100-17**	**A-7100-18**	**Method Detection Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	0.008	µg/L
Freon 113	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	0.008	µg/L
Naphthalene	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	0.008	µg/L
Styrene	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	0.008	µg/L
Toluene	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	0.008	µg/L
Xylenes	ND	ND	0.008	µg/L
MTBE	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	0.040	µg/L
TIC:				
n-propanol	ND	ND	0.008	µg/L
n-pentane	ND	ND	0.008	µg/L
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	106%	115%	75 - 125	
Toluene-d_8	109%	100%	75 - 125	
4-Bromofluorobenzene	101%	100%	75 - 125	
	A2-060713-A-7100_1	A2-060713-A-7100_1		

ND= Not Detected

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	6/7/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7100 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	6/7/2013 6/7/2013
Project:	Panama Site	**Date Analyzed:**	6/7/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** A2-060713-A-7100_1

JEL ID:	**A-7100-20**	**A-7100-21**			**A-7100-19**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	73%	69%	5.5%	70-130	72%	70-130
Benzene	104%	108%	4.6%	70-130	112%	70-130
Trichloroethylene	100%	98%	1.8%	70-130	91%	70-130
Toluene	108%	109%	1.0%	70-130	89%	70-130
Chlorobenzene	114%	107%	6.4%	70-130	102%	70-130
Surrogate Recovery:						
Dibromofluoromethane	107%	100%		75-125	98%	75-125
Toluene-d_8	101%	106%		75-125	99%	75-125
4-Bromofluorobenzene	99%	101%		75-125	105%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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Chain-of-Custody Record

Client: Alta Environmental, Inc
Date: 6/7/13
Project Name: Panama Site
Client Project #: ANCGU-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project # A-7100

Page 1 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B				Magnehelic Vacuum (In/H_2O)	Number of Containers	Remarks/Special Instructions
SV37-5	10	7575	6/7	0744		A-7100-01	SG	X				<5	1	glass gastight syringe
SV37-10	10	7853	6/7	0748		A-7100-02	SG	X				<5	1	↓
SV43-4	10	7519	6/7	0833		A-7100-03	SG	X				<5	1	
SV43-8	10	7742	6/7	0835		A-7100-04	SG	X				<5	1	↓
SV44-5			6/7	0849		A-7100-05						100		NO FLOW
SV44-10	10	7853	6/7	0923		A-7100-06	SG	X				<5	1	glass gastight syringe
SV50-4	10	7519	6/7	0930		A-7100-07	SG	X				<5	1	when pulling 4', magnahelic vacuum reading of 10 on 8' purging @ same time
SV50-8	10	7742	6/7	~~0931~~ 1007		A-7100-08	SG	X				8	1	glass gastight syringe
SV38-4	10	7519	6/7	1043		A-7100-09	SG	X				<5	1	↓
SV38-8	10	7742	6/7	1058		A-7100-10	SG	X				<5	1	↓

❶ Relinquished by (signature)	Date 6/7/13	❷ Received by (signature)	Date 6/7/13	9	Total Number of Containers
Company ALTA ENV.	Time 1415	Company JEL	Time 1415		
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date		
Company	Time	Company	Time		

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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TESTING LABORATORIES

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Chain-of-Custody Record

Client: Alta Environmental, Inc.
Project Name: Panama Site
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Date: 6/7/13
Client Project #: MCGU-13-2252

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Tracer: n-propanol; n-pentane
Purge Rate: ~200 cc/min
Shut in Test (Y) / N

JEL Project #: A-7100

Page 2 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested: 8260B	Magnehelic Pressure (in/H_2O)	Number of Containers	Remarks/Special Instructions
SV39-4	10	7519	6/7	1122		A-7100-11	SG	X	<5	1	glass gastight syringe
SV39-8	10	7742	6/7	1142		A-7100-12	SG	X	<5	1	
SV51-4	10	7519	6/7	1211		A-7100-13	SG	X	<5	1	
SV51-4 DUP	10	7519	6/7	1212		A-7100-14	SG	X	<5	1	
SV51-8	10	7742	6/7	1253		A-7100-15	SG	X	<5	1	
MATERIAL BLANK	1	100	6/7	0814		A-7100-16	SG	X	<5	1	

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❶ Relinquished by (signature)	Date 6/7/13	❷ Received by (signature)	Date 6/7/13	b Total Number of Containers
Company ALTA ENVIRON.	Time 1415	Company JEL	Time 1415	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

JONES ENVIRONMENTAL, INC.

P.O. Box 5387 | Fullerton, CA 92838
(714) 449-9937 | Fax (714) 449-9685

JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/3/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7097
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/3/2013
		Date Received:	6/3/2013
Project Name:	Panama Site	**Date Analyzed:**	6/3/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-propanol or n-pentane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 10 purge volumes were used since previous sampling events determined this to be the appropriate purging volume.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for some length of time. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval: 

Steve Jones, Ph.D.
Laboratory Manager

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/3/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7097
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/3/2013
		Date Received:	6/3/2013
Project:	Panama Site	**Date Analyzed:**	6/3/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV61-5'**	**SV61-10'**	**SV62-5'**	**SV62-10'**	**SV56-5'**		
JEL ID:	**A-7097-01**	**A-7097-02**	**A-7097-03**	**A-7097-04**	**A-7097-05**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	**0.019 J**	**0.019 J**	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV61-5'**	**SV61-10'**	**SV62-5'**	**SV62-10'**	**SV56-5'**		
JEL ID:	**A-7097-01**	**A-7097-02**	**A-7097-03**	**A-7097-04**	**A-7097-05**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**0.010 J**	ND	**0.374**	**0.326**	**3.62**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**3.89**	**9.78**	**17.4**	**13.8**	**0.378**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	**0.013 J**	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**0.020 J**	**0.019 J**	**6.43**	**3.83**	**2.29**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	103%	108%	90%	93%	89%	75 - 125	
Toluene-d_8	104%	106%	104%	99%	94%	75 - 125	
4-Bromofluorobenzene	95%	98%	96%	93%	94%	75 - 125	
	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1		

ND= Not Detected

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/3/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7097
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/3/2013
		Date Received:	6/3/2013
Project:	Panama Site	**Date Analyzed:**	6/3/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV56-10'**	**SV56-10' DUP**	**SV54-5'**	**SV54-10'**	**SV47-5'**		
JEL ID:	**A-7097-06**	**A-7097-07**	**A-7097-08**	**A-7097-09**	**A-7097-10**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	**0.017 J**	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	**1.49***	**2.13***	**1.04***	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	**7.88**	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	**0.533**	**0.641**	**0.233**	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	**102***	**60.6***	**24.9***	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	**18.2***	**17.7***	**1.79**	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV56-10'**	**SV56-10' DUP**	**SV54-5'**	**SV54-10'**	**SV47-5'**		
JEL ID:	**A-7097-06**	**A-7097-07**	**A-7097-08**	**A-7097-09**	**A-7097-10**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**4.10**	**3.99**	**95.6***	**99.3***	**0.033**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**0.431**	**0.428**	**10.3***	**8.00***	**11.0***	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	**0.019 J**	**0.019 J**	ND	ND	**0.013 J**	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**2.34**	**2.26**	**19.1***	**12.2***	**104***	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	**0.368**	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1/10*	1/10*	1/10*		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	98%	96%	83%	101%	96%	75 - 125	
Toluene-d_8	97%	99%	96%	95%	94%	75 - 125	
4-Bromofluorobenzene	92%	96%	92%	93%	94%	75 - 125	
	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/3/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7097
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/3/2013
		Date Received:	6/3/2013
Project:	Panama Site	**Date Analyzed:**	6/3/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV47-10'**	**SV48-4'**	**SV48-8'**	**SV49-4'**	**SV49-8'**		
JEL ID:	**A-7097-11**	**A-7097-12**	**A-7097-13**	**A-7097-14**	**A-7097-15**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	**0.014 J**	**0.015 J**	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	**0.034**	**0.012 J**	**0.015 J**	**0.012 J**	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	**0.101**	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	**6.62***	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**0.020 J**	**0.020 J**	**0.063**	**0.020 J**	**0.020 J**	0.008	µg/L
cis-1,2-Dichloroethene	**22.9***	**57.8***	**65.3***	**0.010 J**	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	**1.79**	**36.6***	**36.5***	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV47-10'**	**SV48-4'**	**SV48-8'**	**SV49-4'**	**SV49-8'**		
JEL ID:	**A-7097-11**	**A-7097-12**	**A-7097-13**	**A-7097-14**	**A-7097-15**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**0.268**	**9.96**	**14.0**	**8.43**	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**4.59***	**247***	**212***	**34.7**	**35.3**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	**0.008 J**	**0.043**	**0.018 J**	**0.670**	**0.645**	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**68.7***	**127**	**98.3***	**2.74**	**2.69**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/10*	1/20*	1/20*	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	94%	96%	85%	106%	100%	75 - 125	
Toluene-d_8	91%	89%	94%	90%	93%	75 - 125	
4-Bromofluorobenzene	92%	89%	100%	91%	93%	75 - 125	
	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	6/3/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7097 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	6/3/2013
		Date Received:	6/3/2013
Project:	Panama Site	**Date Analyzed:**	6/3/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**	**METHOD BLANK**		
JEL ID:	**A-7097-16**	**A-7097-17**	**A-7097-21**	**Method Detection Limit**	**Units**
Analytes:					
Benzene	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK	METHOD BLANK		
JEL ID:	**A-7097-16**	**A-7097-17**	**A-7097-21**	**Method Detection Limit**	**Units**
Analytes:					
cis-1,3-Dichloropropene	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	ND	0.008	µg/L
Toluene	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	0.040	µg/L
TIC:					
n-propanol	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1		
Surrogate Recoveries:				**QC Limits**	
Dibromofluoromethane	104%	105%	105%	75 - 125	
Toluene-d_8	101%	104%	92%	75 - 125	
4-Bromofluorobenzene	92%	95%	89%	75 - 125	
	A1-060313-A-7097_1	A1-060313-A-7097_1	A1-060313-A-7097_1		

ND= Not Detected

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	6/3/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7097 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	6/3/2013 6/3/2013
Project:	Panama Site	**Date Analyzed:**	6/3/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** A1-060313-A-7097_1

JEL ID:	**A-7097-19**	**A-7097-20**			**A-7097-18**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	119%	119%	0.5%	70-130	101%	70-130
Benzene	101%	102%	0.8%	70-130	115%	70-130
Trichloroethylene	98%	98%	0.0%	70-130	112%	70-130
Toluene	100%	101%	1.0%	70-130	105%	70-130
Chlorobenzene	112%	112%	0.4%	70-130	120%	70-130
Surrogate Recovery:						
Dibromofluoromethane	88%	92%		75-125	103%	75-125
Toluene-d_8	99%	103%		75-125	103%	75-125
4-Bromofluorobenzene	95%	95%		75-125	99%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	6/3/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7097 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	6/3/2013 6/3/2013
Project:	Panama Site	**Date Analyzed:**	6/3/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** A1-060313-A-7097_1

JEL ID:	**A-7097-23**	**A-7097-24**			**A-7097-22**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	127%	119%	6.2%	70-130	127%	70-130
Benzene	106%	100%	6.5%	70-130	120%	70-130
Trichloroethylene	107%	99%	7.6%	70-130	98%	70-130
Toluene	97%	97%	0.4%	70-130	89%	70-130
Chlorobenzene	108%	109%	1.0%	70-130	101%	70-130
Surrogate Recovery:						
Dibromofluoromethane	90%	95%		75-125	112%	75-125
Toluene-d_8	99%	99%		75-125	86%	75-125
4-Bromofluorobenzene	94%	95%		75-125	90%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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Chain-of-Custody Record

Client: Alta Environmental, Inc.
Date: 6/3/13
Project Name: Panama Site
Client Project #: MCGU-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project # A-7097
Page 1 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B				Analysis Requested: Magnehelic Vacuum ($in H_2O$)	Number of Containers	Remarks/Special Instructions
SV61-5'	10	7575	6/3	0745		A-7097-01	SG	X				<5	1	glass gastight syringe
SV61-10'	10	7853	6/3	0758		A-7097-02	SG	X				<5	1	
SV62-5'	10	7575	6/3	0843		A-7097-03	SG	X				<5	1	
SV62-10'	10	7853	6/3	0920		A-7097-04	SG	X				<5	1	
SV56-5'	10	7575	6/3	0953		A-7097-05	SG	X				<5	1	
SV56-10'	10	7853	6/3	1009		A-7097-06	SG	X				<5	1	
SV56-10' DUP	10	7853	6/3	1010		A-7097-07	SG	X				<5	1	
SV54-5'	10	7575	6/3	1040		A-7097-08	SG	X				<5	1	
SV54-10'	10	7853	6/3	1057		A-7097-09	SG	X				<5	1	
SV47-5'	10	7575	6/3	1129		A-7097-10	SG	X				<5	1	
													12	Total Number of Containers

❶ Relinquished by (signature)	Date 6/3/13	❷ Received by (signature)	Date 6/3/13	10	Total Number of Containers
Company Alta Environ	Time 1516	Company JEL	Time 1516		
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date		
Company	Time	Company	Time		

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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Chain-of-Custody Record

Client: Alta Environmental, Inc
Date: 6/3/13
Project Name: Panama Site
Client Project #: MCGU-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project # A-7097
Page 2 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B				Magnehelic Vacuum (in H_2O)	Number of Containers	Remarks/Special Instructions
SV47-10'	10	7853	6/3	1148		A-7097-11	SG	X				<5	1	glass gastight syringe
SV48-4'	10	7519	6/3	1224		A-7097-12	SG	X				<5	1	
SV48-8'	10	7742	6/3	1319		A-7097-13	SG	X				<5	1	
SV49-4'	10	7519	6/3	1358		A-7097-14	SG	X				<5	1	
SV49-8'	10	7742	6/3	1437		A-7097-15	SG	X				<5	1	

❶ Relinquished by (signature)	Date 6/3/13	❷ Received by (signature)	Date 6/3/13	5	Total Number of Containers	
Company Alta Environmental	Time 1516	Company JEL	Time 1516			
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date			
Company	Time	Company	Time			

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/1/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2080
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/1/2013
		Date Received:	7/1/2013
Project Name:	Panama Site	**Date Analyzed:**	7/1/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-propanol or n-pentane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 10 purge volumes were used since previous sampling events determined this to be the appropriate purging volume.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for some length of time. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval: 

Steve Jones, Ph.D.
Laboratory Manager

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/1/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2080
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/1/2013
		Date Received:	7/1/2013
Project:	Panama Site	**Date Analyzed:**	7/1/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV67-5'**	**SV67-10'**	**SV67-10' DUP**	**SV69-5'**	**SV69-10'**		
JEL ID:	**C-2080-01**	**C-2080-02**	**C-2080-03**	**C-2080-04**	**C-2080-05**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	**0.044**	**0.044**	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**0.222**	**0.425**	**0.294**	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**3.98**	**7.88**	**6.88**	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	**8.57**	**11.9**	**9.99**	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV67-5'**	**SV67-10'**	**SV67-10' DUP**	**SV69-5'**	**SV69-10'**		
JEL ID:	**C-2080-01**	**C-2080-02**	**C-2080-03**	**C-2080-04**	**C-2080-05**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**0.017 J**	**0.052**	**0.024**	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**4.18**	**5.04**	**4.29**	**22.3**	**43.6***	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	**0.035**	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**10.1**	**14.2**	**12.6**	**0.492**	**1.14**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1/5*		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	97%	94%	102%	99%	102%	75 - 125	
Toluene-d_8	99%	98%	98%	97%	97%	75 - 125	
4-Bromofluorobenzene	93%	94%	93%	93%	100%	75 - 125	
	C1-070113-C-2079	C1-070113-C-2079	C1-070113-C-2079	C1-070113-C-2079	C1-070113-C-2079		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/1/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2080
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/1/2013
		Date Received:	7/1/2013
Project:	Panama Site	**Date Analyzed:**	7/1/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID: **SV68-5'**

JEL ID:	**C-2080-06**	**Method Detection Limit**	**Units**
Analytes:			
Benzene	ND	0.008	µg/L
Bromobenzene	ND	0.008	µg/L
Bromodichloromethane	ND	0.008	µg/L
Bromoform	ND	0.008	µg/L
n-Butylbenzene	ND	0.008	µg/L
sec-Butylbenzene	ND	0.008	µg/L
tert-Butylbenzene	ND	0.008	µg/L
Carbon tetrachloride	ND	0.008	µg/L
Chlorobenzene	ND	0.008	µg/L
Chloroethane	ND	0.008	µg/L
Chloroform	ND	0.008	µg/L
Chloromethane	ND	0.008	µg/L
2-Chlorotoluene	ND	0.008	µg/L
4-Chlorotoluene	ND	0.008	µg/L
Dibromochloromethane	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	0.008	µg/L
Dibromomethane	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	0.008	µg/L
Dichlorodifluoromethane	ND	0.008	µg/L
1,1-Dichloroethane	ND	0.008	µg/L
1,2-Dichloroethane	ND	0.008	µg/L
1,1-Dichloroethene	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	0.008	µg/L
1,2-Dichloropropane	ND	0.008	µg/L
1,3-Dichloropropane	ND	0.008	µg/L
2,2-Dichloropropane	ND	0.008	µg/L
1,1-Dichloropropene	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV68-5'**		
JEL ID:	**C-2080-06**	**Method Detection Limit**	**Units**
Analytes:			
cis-1,3-Dichloropropene	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	0.008	µg/L
Ethylbenzene	ND	0.008	µg/L
Freon 113	**0.098**	0.008	µg/L
Hexachlorobutadiene	ND	0.008	µg/L
Isopropylbenzene	ND	0.008	µg/L
4-Isopropyltoluene	ND	0.008	µg/L
Methylene chloride	ND	0.008	µg/L
Naphthalene	ND	0.008	µg/L
n-Propylbenzene	ND	0.008	µg/L
Styrene	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	0.008	µg/L
Tetrachloroethylene	**7.66**	0.008	µg/L
Toluene	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	0.008	µg/L
Trichloroethylene	**0.145**	0.008	µg/L
Trichlorofluoromethane	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	0.008	µg/L
Vinyl chloride	ND	0.008	µg/L
Xylenes	ND	0.008	µg/L
MTBE	ND	0.008	µg/L
Ethyl-tert-butylether	ND	0.008	µg/L
Di-isopropylether	ND	0.008	µg/L
tert-amylmethylether	ND	0.008	µg/L
tert-Butylalcohol	ND	0.040	µg/L
TIC:			
n-propanol	ND	0.008	µg/L
n-pentane	ND	0.008	µg/L
Dilution Factor	1		
Surrogate Recoveries:		**QC Limits**	
Dibromofluoromethane	101%	75 - 125	
Toluene-d_8	103%	75 - 125	
4-Bromofluorobenzene	100%	75 - 125	
	C1-070113-C-2079		

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/1/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2080
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/1/2013
		Date Received:	7/1/2013
Project:	Panama Site	**Date Analyzed:**	7/1/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**		
JEL ID:	**C-2080-07**	**C-2080-08**	**Method Detection Limit**	**Units**
Analytes:				
Benzene	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	0.008	µg/L
Bromoform	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	0.008	µg/L
Chloroethane	ND	ND	0.008	µg/L
Chloroform	ND	ND	0.008	µg/L
Chloromethane	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK		
JEL ID:	**C-2080-07**	**C-2080-08**	**Method Detection Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	0.008	µg/L
Freon 113	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	0.008	µg/L
Naphthalene	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	0.008	µg/L
Styrene	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	0.008	µg/L
Toluene	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	0.008	µg/L
Xylenes	ND	ND	0.008	µg/L
MTBE	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	0.040	µg/L
TIC:				
n-propanol	ND	ND	0.008	µg/L
n-pentane	ND	ND	0.008	µg/L
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	101%	100%	75 - 125	
Toluene-d_8	103%	100%	75 - 125	
4-Bromofluorobenzene	99%	98%	75 - 125	
	C1-070113-C-2079	C1-070113-C-2079		

ND= Not Detected

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	7/1/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	C-2080 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	7/1/2013 7/1/2013
Project:	Panama Site	**Date Analyzed:**	7/1/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** C1-070113-C-2079

JEL ID:	**C-2080-10**	**C-2080-11**			**C-2080-09**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	96%	101%	4.9%	70-130	121%	70-130
Benzene	106%	109%	2.9%	70-130	123%	70-130
Trichloroethylene	96%	100%	4.2%	70-130	110%	70-130
Toluene	84%	87%	3.3%	70-130	88%	70-130
Chlorobenzene	109%	110%	0.8%	70-130	112%	70-130
Surrogate Recovery:						
Dibromofluoromethane	102%	101%		75-125	101%	75-125
Toluene-d_8	102%	101%		75-125	100%	75-125
4-Bromofluorobenzene	106%	104%		75-125	81%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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Chain-of-Custody Record

Client: ALTA ENVIRONMENTAL
Date: 7/1/13
Project Name: PANAMA SITE
Client Project #: MCGU-13-2252
Project Address: 12964 PANAMA STREET, LOS ANGELES, CA
Project Contact: JONATHAN BANKMAN

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☑ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☑ 10P
Purge Rate: 200 cc/min
Shut in Test (Y) / N
Tracer:
- ☐ n-propanol
- ☐ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: C-2080
Page: 1 of 1
Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☑ no
Sealed ☐ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested: TPHg 8260 (Mod.)	Magnehelic Vacuum ($in H_2O$)	Number of Containers	Remarks/Special Instructions
SV67-5'	10	7575	7/1/13	12:05		C-2080-01	SG	X	<2	1	Glass Gas Tight Syringe
SV67-10'	10	7853	7/1/13	12:19		C-2080-02	SG	X	<2	1	
SV67-10' DUP	10	7853	7/1/13	12:19		C-2080-03	SG	X	<2	1	
SV69-5'	10	7575	7/1/13	12:50		C-2080-04	SG	X	<2	1	
SV69-10'	10	7853	7/1/13	13:06		C-2080-05	SG	X	<2	1	
SV68-5'	10	7575	7/1/13	13:24		C-2080-06	SG	X	<2	1	

❶ Relinquished by (signature)	Date 7/1/2013	❷ Received by (signature)	Date 7/1/13		Total Number of Containers
Company ALTA Environmental	Time 1350	Company JEL	Time 1400		
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date		
Company	Time	Company	Time		

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

JONES ENVIRONMENTAL, INC.

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project Name:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers. Tubing placed in the ground for soil gas sampling was purged three different times as recommended by DTSC/RWQCB regulations. This purge test determined how many purges of the soil gas tubing were needed throughout the project. One, three and ten purge volumes were analyzed to make this determination.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-propanol or n-pentane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 10 purge volumes were used since this purging level gave the highest results for the compound(s) of greatest interest.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for some length of time. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval: 

Steve Jones, Ph.D.
Laboratory Manager

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**MATERIAL BLANK**	**SV10-5 1P**	**SV10-5 3P**	**SV10-5 10P**	**SV2-8**		
JEL ID:	**C-2048-01**	**C-2048-02**	**C-2048-03**	**C-2048-04**	**C-2048-05**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND		0.008	µg/L
Bromobenzene	ND	ND	ND	ND		0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND		0.008	µg/L
Bromoform	ND	ND	ND	ND		0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND		0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	**N**	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND		0.008	µg/L
Carbon tetrachloride	ND	**0.047**	**0.053**	**0.134**	**O**	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND		0.008	µg/L
Chloroethane	ND	ND	ND	ND		0.008	µg/L
Chloroform	ND	**0.245**	**0.036**	**0.032**		0.008	µg/L
Chloromethane	ND	ND	ND	ND		0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	**F**	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND		0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	**L**	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND		0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	**O**	0.008	µg/L
Dibromomethane	ND	ND	ND	ND		0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	**W**	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND		0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND		0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND		0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND		0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND		0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND		0.008	µg/L
cis-1,2-Dichloroethene	ND	**0.665**	**0.628**	**2.00**		0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND		0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND		0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND		0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND		0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND		0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**MATERIAL BLANK**	**SV10-5 1P**	**SV10-5 3P**	**SV10-5 10P**	**SV2-8**		
JEL ID:	**C-2048-01**	**C-2048-02**	**C-2048-03**	**C-2048-04**	**C-2048-05**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND		0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND		0.008	µg/L
Ethylbenzene	ND	ND	ND	ND		0.008	µg/L
Freon 113	ND	ND	ND	ND		0.008	µg/L
Hexachlorobutadiene	ND	**31.5**	**35.8**	**62.7**		0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	**N**	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND		0.008	µg/L
Methylene chloride	ND	ND	ND	ND	**O**	0.008	µg/L
Naphthalene	ND	ND	ND	ND		0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND		0.008	µg/L
Styrene	ND	ND	ND	ND		0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND		0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	**F**	0.008	µg/L
Tetrachloroethylene	ND	**3040***	**5280***	**6400***		0.008	µg/L
Toluene	ND	ND	ND	ND	**L**	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND		0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	**O**	0.008	µg/L
1,1,1-Trichloroethane	ND	**0.624**	**0.907**	**2.36**		0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	**W**	0.008	µg/L
Trichloroethylene	ND	**9.25**	**10.8**	**29.0**		0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND		0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND		0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND		0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND		0.008	µg/L
Vinyl chloride	ND	ND	ND	ND		0.008	µg/L
Xylenes	ND	ND	ND	ND		0.008	µg/L
MTBE	ND	ND	ND	ND		0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND		0.008	µg/L
Di-isopropylether	ND	ND	ND	ND		0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND		0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND		0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND		0.008	µg/L
n-pentane	ND	ND	ND	ND		0.008	µg/L
Dilution Factor	1	1/200*	1/200*	1/200*			
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	117%	101%	97%	91%		75 - 125	
Toluene-d_8	95%	91%	93%	95%		75 - 125	
4-Bromofluorobenzene	115%	117%	109%	98%		75 - 125	
	C2-050613-ALTA	B1-050613-ALTA	B1-050613-ALTA	B1-050613-ALTA			

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV3-5**	**SV2-4**	**SV8-5**	**SV28-5**	**SV8-10**		
JEL ID:	**C-2048-06**	**C-2048-07**	**C-2048-08**	**C-2048-09**	**C-2048-10**	**Method Detection Limit**	**Units**
Analytes:							
Benzene			ND	ND	ND	0.008	µg/L
Bromobenzene			ND	ND	ND	0.008	µg/L
Bromodichloromethane			ND	ND	ND	0.008	µg/L
Bromoform			ND	ND	ND	0.008	µg/L
n-Butylbenzene			ND	ND	ND	0.008	µg/L
sec-Butylbenzene	**N**	**N**	ND	ND	ND	0.008	µg/L
tert-Butylbenzene			ND	ND	ND	0.008	µg/L
Carbon tetrachloride	**O**	**O**	**0.092**	ND	**0.037**	0.008	µg/L
Chlorobenzene			ND	ND	ND	0.008	µg/L
Chloroethane			ND	ND	ND	0.008	µg/L
Chloroform			ND	ND	ND	0.008	µg/L
Chloromethane			ND	ND	ND	0.008	µg/L
2-Chlorotoluene	**F**	**F**	ND	ND	ND	0.008	µg/L
4-Chlorotoluene			ND	ND	ND	0.008	µg/L
Dibromochloromethane	**L**	**L**	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane			ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	**O**	**O**	ND	ND	ND	0.008	µg/L
Dibromomethane			ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	**W**	**W**	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene			ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene			ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane			ND	ND	ND	0.008	µg/L
1,1-Dichloroethane			ND	ND	ND	0.008	µg/L
1,2-Dichloroethane			ND	ND	ND	0.008	µg/L
1,1-Dichloroethene			ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene			**0.859**	ND	**1.79**	0.008	µg/L
trans-1,2-Dichloroethene			ND	ND	ND	0.008	µg/L
1,2-Dichloropropane			ND	ND	ND	0.008	µg/L
1,3-Dichloropropane			ND	ND	ND	0.008	µg/L
2,2-Dichloropropane			ND	ND	ND	0.008	µg/L
1,1-Dichloropropene			ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV3-5**	**SV2-4**	**SV8-5**	**SV28-5**	**SV8-10**		
JEL ID:	**C-2048-06**	**C-2048-07**	**C-2048-08**	**C-2048-09**	**C-2048-10**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene			ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene			ND	ND	ND	0.008	µg/L
Ethylbenzene			ND	ND	ND	0.008	µg/L
Freon 113			**690***	**0.011 J**	**848***	0.008	µg/L
Hexachlorobutadiene			ND	ND	ND	0.008	µg/L
Isopropylbenzene	**N**	**N**	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene			ND	ND	ND	0.008	µg/L
Methylene chloride	**O**	**O**	ND	ND	ND	0.008	µg/L
Naphthalene			ND	ND	ND	0.008	µg/L
n-Propylbenzene			ND	ND	ND	0.008	µg/L
Styrene			ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane			ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	**F**	**F**	ND	ND	ND	0.008	µg/L
Tetrachloroethylene			**79.5***	**4.12**	**107***	0.008	µg/L
Toluene	**L**	**L**	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene			ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	**O**	**O**	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane			**3.27**	ND	**2.71**	0.008	µg/L
1,1,2-Trichloroethane	**W**	**W**	**0.468**	ND	**0.588**	0.008	µg/L
Trichloroethylene			**7.46**	**0.190**	**8.77**	0.008	µg/L
Trichlorofluoromethane			ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane			ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene			ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene			ND	ND	ND	0.008	µg/L
Vinyl chloride			ND	**0.592**	ND	0.008	µg/L
Xylenes			ND	ND	ND	0.008	µg/L
MTBE			ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether			ND	ND	ND	0.008	µg/L
Di-isopropylether			ND	ND	ND	0.008	µg/L
tert-amylmethylether			ND	ND	ND	0.008	µg/L
tert-Butylalcohol			ND	ND	ND	0.040	µg/L
TIC:							
n-propanol			ND	ND	ND	0.008	µg/L
n-pentane			ND	ND	ND	0.008	µg/L
Dilution Factor			1/20*	1	1/20*		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane			91%	105%	89%	75 - 125	
Toluene-d_8			98%	83%	97%	75 - 125	
4-Bromofluorobenzene			92%	119%	94%	75 - 125	
			B1-050613-ALTA	C1-050613-ALTA	B1-050613-ALTA		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV28-10**	**SV27-4**	**SV27-8**	**SV26-5**	**SV26-10**		
JEL ID:	**C-2048-11**	**C-2048-12**	**C-2048-13**	**C-2048-14**	**C-2048-15**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND		ND		0.008	µg/L
Bromobenzene	ND	ND		ND		0.008	µg/L
Bromodichloromethane	ND	ND		ND		0.008	µg/L
Bromoform	ND	ND		ND		0.008	µg/L
n-Butylbenzene	ND	ND		ND		0.008	µg/L
sec-Butylbenzene	ND	ND	**N**	ND	**N**	0.008	µg/L
tert-Butylbenzene	ND	ND		ND		0.008	µg/L
Carbon tetrachloride	ND	ND	**O**	ND	**O**	0.008	µg/L
Chlorobenzene	ND	ND		ND		0.008	µg/L
Chloroethane	ND	ND		ND		0.008	µg/L
Chloroform	ND	ND		ND		0.008	µg/L
Chloromethane	ND	ND		ND		0.008	µg/L
2-Chlorotoluene	ND	ND	**F**	ND	**F**	0.008	µg/L
4-Chlorotoluene	ND	ND		ND		0.008	µg/L
Dibromochloromethane	ND	ND	**L**	ND	**L**	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND		ND		0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	**O**	ND	**O**	0.008	µg/L
Dibromomethane	ND	ND		ND		0.008	µg/L
1,2- Dichlorobenzene	ND	ND	**W**	ND	**W**	0.008	µg/L
1,3-Dichlorobenzene	ND	ND		ND		0.008	µg/L
1,4-Dichlorobenzene	ND	ND		ND		0.008	µg/L
Dichlorodifluoromethane	ND	ND		ND		0.008	µg/L
1,1-Dichloroethane	ND	ND		ND		0.008	µg/L
1,2-Dichloroethane	ND	ND		ND		0.008	µg/L
1,1-Dichloroethene	ND	ND		ND		0.008	µg/L
cis-1,2-Dichloroethene	ND	ND		ND		0.008	µg/L
trans-1,2-Dichloroethene	ND	ND		ND		0.008	µg/L
1,2-Dichloropropane	ND	ND		ND		0.008	µg/L
1,3-Dichloropropane	ND	ND		ND		0.008	µg/L
2,2-Dichloropropane	ND	ND		ND		0.008	µg/L
1,1-Dichloropropene	ND	ND		ND		0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV28-10**	**SV27-4**	**SV27-8**	**SV26-5**	**SV26-10**		
JEL ID:	**C-2048-11**	**C-2048-12**	**C-2048-13**	**C-2048-14**	**C-2048-15**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND		ND		0.008	µg/L
trans-1,3-Dichloropropene	ND	ND		ND		0.008	µg/L
Ethylbenzene	ND	ND		ND		0.008	µg/L
Freon 113	ND	ND		ND		0.008	µg/L
Hexachlorobutadiene	ND	ND		ND		0.008	µg/L
Isopropylbenzene	ND	ND	**N**	ND	**N**	0.008	µg/L
4-Isopropyltoluene	ND	ND		ND		0.008	µg/L
Methylene chloride	ND	ND	**O**	ND	**O**	0.008	µg/L
Naphthalene	ND	ND		ND		0.008	µg/L
n-Propylbenzene	ND	ND		ND		0.008	µg/L
Styrene	ND	ND		ND		0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND		ND		0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	**F**	ND	**F**	0.008	µg/L
Tetrachloroethylene	**2.58**	**0.205**		**251***		0.008	µg/L
Toluene	ND	ND	**L**	ND	**L**	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND		ND		0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	**O**	ND	**O**	0.008	µg/L
1,1,1-Trichloroethane	ND	ND		ND		0.008	µg/L
1,1,2-Trichloroethane	ND	ND	**W**	ND	**W**	0.008	µg/L
Trichloroethylene	**0.139**	**0.018**		**1.15**		0.008	µg/L
Trichlorofluoromethane	ND	ND		ND		0.008	µg/L
1,2,3-Trichloropropane	ND	ND		ND		0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND		ND		0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND		ND		0.008	µg/L
Vinyl chloride	ND	ND		ND		0.008	µg/L
Xylenes	ND	ND		ND		0.008	µg/L
MTBE	ND	ND		ND		0.008	µg/L
Ethyl-tert-butylether	ND	ND		ND		0.008	µg/L
Di-isopropylether	ND	ND		ND		0.008	µg/L
tert-amylmethylether	ND	ND		ND		0.008	µg/L
tert-Butylalcohol	ND	ND		ND		0.040	µg/L
TIC:							
n-propanol	ND	ND		ND		0.008	µg/L
n-pentane	ND	ND		ND		0.008	µg/L
Dilution Factor	1	1		1/20*			
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	109%	109%		95%		75 - 125	
Toluene-d_8	87%	85%		89%		75 - 125	
4-Bromofluorobenzene	107%	92%		103%		75 - 125	
	C2-050613-ALTA	C1-050613-ALTA		C2-050613-ALTA			

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV25-5**	**SV25-10**	**SV24-5**	**SV24-10**	**SV9-5**		
JEL ID:	**C-2048-16**	**C-2048-17**	**C-2048-18**	**C-2048-19**	**C-2048-20**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND			ND	0.008	µg/L
Bromobenzene	ND	ND			ND	0.008	µg/L
Bromodichloromethane	ND	ND			ND	0.008	µg/L
Bromoform	ND	ND			ND	0.008	µg/L
n-Butylbenzene	ND	ND			ND	0.008	µg/L
sec-Butylbenzene	ND	ND	**N**	**N**	ND	0.008	µg/L
tert-Butylbenzene	ND	ND			ND	0.008	µg/L
Carbon tetrachloride	ND	ND	**O**	**O**	ND	0.008	µg/L
Chlorobenzene	ND	ND			ND	0.008	µg/L
Chloroethane	ND	ND			ND	0.008	µg/L
Chloroform	**0.320**	**0.030**			ND	0.008	µg/L
Chloromethane	ND	ND			ND	0.008	µg/L
2-Chlorotoluene	ND	ND	**F**	**F**	ND	0.008	µg/L
4-Chlorotoluene	ND	ND			ND	0.008	µg/L
Dibromochloromethane	ND	ND	**L**	**L**	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND			ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	**O**	**O**	ND	0.008	µg/L
Dibromomethane	ND	ND			ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	**W**	**W**	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND			ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND			ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND			ND	0.008	µg/L
1,1-Dichloroethane	ND	ND			**2.24**	0.008	µg/L
1,2-Dichloroethane	ND	ND			ND	0.008	µg/L
1,1-Dichloroethene	**0.454**	ND			ND	0.008	µg/L
cis-1,2-Dichloroethene	**30.9**	**38.6***			**386***	0.008	µg/L
trans-1,2-Dichloroethene	**51.3**	**48.2***			ND	0.008	µg/L
1,2-Dichloropropane	ND	ND			ND	0.008	µg/L
1,3-Dichloropropane	ND	ND			ND	0.008	µg/L
2,2-Dichloropropane	ND	ND			ND	0.008	µg/L
1,1-Dichloropropene	ND	ND			ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV25-5**	**SV25-10**	**SV24-5**	**SV24-10**	**SV9-5**		
JEL ID:	**C-2048-16**	**C-2048-17**	**C-2048-18**	**C-2048-19**	**C-2048-20**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND			ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND			ND	0.008	µg/L
Ethylbenzene	ND	ND			ND	0.008	µg/L
Freon 113	**0.843**	**36.8***			**23.6***	0.008	µg/L
Hexachlorobutadiene	ND	ND			ND	0.008	µg/L
Isopropylbenzene	ND	ND	**N**	**N**	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND			ND	0.008	µg/L
Methylene chloride	ND	ND	**O**	**O**	ND	0.008	µg/L
Naphthalene	ND	ND			ND	0.008	µg/L
n-Propylbenzene	ND	ND			ND	0.008	µg/L
Styrene	ND	ND			ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND			ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	**F**	**F**	ND	0.008	µg/L
Tetrachloroethylene	**0.562**	**4.69**			**31.9***	0.008	µg/L
Toluene	ND	ND	**L**	**L**	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND			ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	**O**	**O**	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND			ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	**W**	**W**	ND	0.008	µg/L
Trichloroethylene	**1.73**	**11.2**			**27.7***	0.008	µg/L
Trichlorofluoromethane	ND	ND			ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND			ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND			ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND			ND	0.008	µg/L
Vinyl chloride	**1.10**	**2.12**			ND	0.008	µg/L
Xylenes	ND	ND			ND	0.008	µg/L
MTBE	ND	ND			ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND			ND	0.008	µg/L
Di-isopropylether	ND	ND			ND	0.008	µg/L
tert-amylmethylether	ND	ND			ND	0.008	µg/L
tert-Butylalcohol	ND	ND			ND	0.040	µg/L
TIC:							
n-propanol	ND	ND			ND	0.008	µg/L
n-pentane	ND	ND			ND	0.008	µg/L
Dilution Factor	1	1/5*			1/10*		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	109%	112%			105%	75 - 125	
Toluene-d_8	84%	83%			99%	75 - 125	
4-Bromofluorobenzene	94%	96%			96%	75 - 125	
	C1-050613-ALTA	C1-050613-ALTA			B1-050613-ALTA		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV9-10**	**SV19-5**	**SV19-10**	**SV5-5**	**SV5-10**		
JEL ID:	**C-2048-21**	**C-2048-22**	**C-2048-23**	**C-2048-24**	**C-2048-25**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	**0.008 J**	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	**0.050**	**0.046**	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	**2.25**	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**281***	ND	ND	**0.009 J**	**0.287**	0.008	µg/L
trans-1,2-Dichloroethene	**0.866**	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV9-10**	**SV19-5**	**SV19-10**	**SV5-5**	**SV5-10**		
JEL ID:	**C-2048-21**	**C-2048-22**	**C-2048-23**	**C-2048-24**	**C-2048-25**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**22.9***	**5.23**	**5.66**	**6.47**	**8.35**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**19.4***	**3.58**	**2.01**	**2.61**	**3.53**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	**0.065**	**0.055**	**0.132**	**0.046**	0.008	µg/L
1,1,2-Trichloroethane	**0.163**	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**25.4***	**7.75**	**5.66**	**9.51**	**11.4**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/20*	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	107%	94%	96%	103%	103%	75 - 125	
Toluene-d_8	97%	85%	87%	98%	101%	75 - 125	
4-Bromofluorobenzene	93%	99%	103%	94%	91%	75 - 125	
	B1-050613-ALTA	C2-050613-ALTA	C2-050613-ALTA	B1-050613-ALTA	B1-050613-ALTA		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

JONES ENVIRONMENTAL, INC.
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(714) 449-9937 | FAX (714) 449-9685

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV13-5**	**SV13-10**	**SV11-5**	**SV11-10**	**SV18-5**		
JEL ID:	**C-2048-26**	**C-2048-27**	**C-2048-28**	**C-2048-29**	**C-2048-30**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	**0.057**	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	**0.041**	**0.176**	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**1.14**	**1.54**	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**358***	**368***	**27.1***	**14.4***	ND	0.008	µg/L
trans-1,2-Dichloroethene	**9.70**	**11.2**	**67.9***	**68.1**	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV13-5**	**SV13-10**	**SV11-5**	**SV11-10**	**SV18-5**		
JEL ID:	**C-2048-26**	**C-2048-27**	**C-2048-28**	**C-2048-29**	**C-2048-30**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	**0.018 J**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	**1.21**	**3.53***	**9.98***	**0.049**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	**0.500***	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	**0.116**	**0.131**	ND	0.008	µg/L
Trichloroethylene	**0.858**	**3.42**	**5.84**	**6.68**	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	**1.57**	**2.21**	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/20*	1/20*	1/5*	1/50*	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	89%	91%	100%	106%	107%	75 - 125	
Toluene-d_8	90%	93%	89%	97%	96%	75 - 125	
4-Bromofluorobenzene	109%	89%	106%	112%	94%	75 - 125	
	C2-050613-ALTA	C2-050613-ALTA	C1-050613-ALTA	C1-050613-ALTA	B1-050613-ALTA		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV18-10**	**SV17-5**	**SV20-5**	**SV20-10**	**SV17-10**		
JEL ID:	**C-2048-31**	**C-2048-32**	**C-2048-33**	**C-2048-34**	**C-2048-35**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	**0.030**	ND	**0.024 J**	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**0.015 J**	ND	**4.99**	**5.26**	**0.025**	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	**0.020**	**0.029 J**	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV18-10**	**SV17-5**	**SV20-5**	**SV20-10**	**SV17-10**		
JEL ID:	**C-2048-31**	**C-2048-32**	**C-2048-33**	**C-2048-34**	**C-2048-35**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**1.42**	ND	**0.010 J**	ND	**0.606**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**0.104**	**0.011 J**	**1.56**	**2.08**	**0.356**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	**0.042**	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**0.072**	ND	**1.10**	**1.26**	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	105%	107%	95%	100%	108%	75 - 125	
Toluene-d_8	91%	97%	80%	97%	98%	75 - 125	
4-Bromofluorobenzene	96%	97%	101%	99%	91%	75 - 125	
	B1-050613-ALTA	B1-050613-ALTA	C2-050613-ALTA	C2-050613-ALTA	B1-050613-ALTA		

ND= Not Detected

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV15-5**	**SV15-5 DUP**	**SV15-10**	**SV5-10 REP**		
JEL ID:	**C-2048-36**	**C-2048-37**	**C-2048-38**	**C-2048-39**	**Method Detection Limit**	**Units**
Analytes:						
Benzene	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	**0.050**	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**1.97**	**1.79**	ND	**0.052**	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	**4.37**	**4.01**	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV15-5**	**SV15-5 DUP**	**SV15-10**	**SV5-10 REP**		
JEL ID:	**C-2048-36**	**C-2048-37**	**C-2048-38**	**C-2048-39**	**Method Detection Limit**	**Units**
Analytes:						
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	**7.35**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**1.97**	**1.84**	**0.737**	**3.96**	0.008	µg/L
Toluene	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	**0.118**	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	**0.110**	ND	0.008	µg/L
Trichloroethylene	**1.18**	**1.31**	**0.536**	**12.4**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	0.040	µg/L
TIC:						
n-propanol	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1		
Surrogate Recoveries:					**QC Limits**	
Dibromofluoromethane	97%	99%	109%	105%	75 - 125	
Toluene-d_8	95%	96%	87%	99%	75 - 125	
4-Bromofluorobenzene	111%	99%	114%	94%	75 - 125	
	C2-050613-ALTA	C2-050613-ALTA	C1-050613-ALTA	B1-050613-ALTA		

ND= Not Detected

JONES ENVIRONMENTAL, INC.
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	C-2048 MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	METHOD BLANK	SAMPLING BLANK	METHOD BLANK		
JEL ID:	C-2048-40	C-2048-44	C-2048-45	C-2048-49	Method Detection Limit	Units
Analytes:						
Benzene	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	METHOD BLANK	SAMPLING BLANK	METHOD BLANK		
JEL ID:	**C-2048-40**	**C-2048-44**	**C-2048-45**	**C-2048-49**	**Method Detection Limit**	**Units**
Analytes:						
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	ND	ND	0.008	µg/L
Toluene	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	0.040	µg/L
TIC:						
n-propanol	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1		
Surrogate Recoveries:					**QC Limits**	
Dibromofluoromethane	103%	111%	103%	105%	75 - 125	
Toluene-d_8	97%	96%	91%	95%	75 - 125	
4-Bromofluorobenzene	100%	113%	107%	94%	75 - 125	
	C1-050613-ALTA	C2-050613-ALTA	C2-050613-ALTA	B1-050613-ALTA		

ND= Not Detected

JONES ENVIRONMENTAL, INC.
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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	C-2048 MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:** **Date Received:**	5/6/2013 5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** C1-050613-ALTA

JEL ID:	**C-2048-42**	**C-2048-43**			**C-2048-41**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	88%	92%	3.6%	70-130	101%	70-130
Benzene	108%	118%	8.9%	70-130	111%	70-130
Trichloroethylene	104%	110%	6.0%	70-130	101%	70-130
Toluene	81%	91%	11%	70-130	86%	70-130
Chlorobenzene	104%	112%	8.3%	70-130	104%	70-130
Surrogate Recovery:						
Dibromofluoromethane	103%	104%		75-125	109%	75-125
Toluene-d_8	83%	97%		75-125	95%	75-125
4-Bromofluorobenzene	102%	101%		75-125	97%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	C-2048 MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:** **Date Received:**	5/6/2013 5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** C2-050613-ALTA

JEL ID:	**C-2048-47**	**C-2048-48**			**C-2048-46**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	109%	110%	0.5%	70-130	120%	70-130
Benzene	109%	120%	9.8%	70-130	103%	70-130
Trichloroethylene	98%	108%	9.3%	70-130	116%	70-130
Toluene	110%	112%	2.5%	70-130	120%	70-130
Chlorobenzene	111%	112%	1.1%	70-130	120%	70-130
Surrogate Recovery:						
Dibromofluoromethane	103%	102%		75-125	97%	75-125
Toluene-d_8	87%	83%		75-125	89%	75-125
4-Bromofluorobenzene	109%	109%		75-125	93%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	5/6/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	C-2048
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman/Reid Shigeno	**Date Sampled:**	5/6/2013
		Date Received:	5/6/2013
Project:	Panama Site	**Date Analyzed:**	5/6/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** B1-050613-ALTA

JEL ID:	**C-2048-51**	**C-2048-52**			**C-2048-50**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	81%	84%	3.6%	70-130	87%	70-130
Benzene	103%	108%	4.8%	70-130	105%	70-130
Trichloroethylene	100%	103%	2.9%	70-130	101%	70-130
Toluene	100%	100%	0.3%	70-130	104%	70-130
Chlorobenzene	108%	108%	0.1%	70-130	101%	70-130
Surrogate Recovery:						
Dibromofluoromethane	105%	107%		75-125	85%	75-125
Toluene-d_8	93%	97%		75-125	95%	75-125
4-Bromofluorobenzene	105%	100%		75-125	97%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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Chain-of-Custody Record

Client: Alta Environmental Inc
Project Name:
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Reed
Date: 05.06.13
Client Project #: MCGU-13-2252

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test Ⓨ / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: C-2048
Page 1 of 4

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	EPA 8260B (VOCs + OXY)	Analysis Requested	Analysis Requested	Analysis Requested	Magnehelic Vacuum ($in H_2O$)	Number of Containers	Remarks/Special Instructions
Material Blank			5/6	0800		C-2048-01	SG	X					1	gas tight glass syringe
SV10-5 1P	1	757		0801		C-2048-02	SG	X				<2	1	
SV10-5 3P	3	2272		0818		C-2048-03	SG	X				<2	1	
SV10-5 10P	10	7575		0845		C-2048-04	SG	X				<2	1	
~~SV2-8~~				0931		C-2048-05	SG	X					0	NO FLOW / WATER
~~SV3-5~~				0935		C-2048-06	SG	X					0	NO FLOW / WATER
~~SV2-4~~				0941		C-2048-07	SG	X					0	NO FLOW / WATER
SV8-5	10	7575		~~0945~~ 1039		C-2048-08	SG	X				<2	1	
~~SV28-5~~	10	2945		1005		C-2048-09	SG	X				<2	1	
SV8-10	10	7853	↓	1015		C-2048-10	SG	X				27	1	↓
													7	Total Number of Containers

❶ Relinquished by (signature)	Date 5/6/13	❷ Received by (signature)	Date 5/6/13
Company Alta Environmental	Time	Company Jones Environmental	Time 1535
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date
Company	Time	Company	Time

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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Fullerton, CA 92838
(714) 449-9937
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www.jonesenvironmentallab.com

Chain-of-Custody Record

Client: Alta Environmental Inc
Project Name:
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Reed

Date: 05.06.13
Client Project #: MGGL-13-2252

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project # C-2048
Page 2 of 4
Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested: EPA 8260B (VOCs + Oxy)	Magnehelic Vacuum (in H_2O)	Number of Containers	Remarks/Special Instructions
SV28-10	10	3223	5/6	1019		C-2048-11	SG	X	<2	1	gas tight glass syringe
SV-27-4	10	2889		1025		C-2048-12	SG	X	<2	1	
SV27-8				1026		C-2048-13	SG	X		0	NO FLOW
SV26-5	10	2945		1049		C-2048-14	SG	X		1	
SV26-10				1050		C-2048-15	SG	X		0	NO FLOW
SV25-5	10	2945		1058		C-2048-16	SG	X	38	1	LOW FLOW
SV25-10	10	3223		1110		C-2048-17	SG	X	<2	1	
SV24-5				1111		C-2048-18	SG	X		0	NO FLOW
SV24-10				1112		C-2048-19	SG	X		0	NO FLOW
SV9-5			↓	1114		C-2048-20	SG	X	<2	1	↓

❶ Relinquished by (signature)	Date 5/6/13	❷ Received by (signature)	Date 5/6/13	Total Number of Containers: 6
Company: Alta Environmental	Time	Company: Jones Environmental	Time 1535	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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Chain-of-Custody Record

Client: Alta Environmental Inc
Project Name:
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Reed

Date: 05.06.13
Client Project #: NCGU-13-2252

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: C-2048
Page 3 of 4

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested: EPA 8260B (VOCs + Dry)	Magnehelic Vacuum (in H_2O)	Number of Containers	Remarks/Special Instructions
SV9-10	10	7853	5/6	1150		C-2048-21	SG	X	<2	1	gas tight glass syringe
SV19-5	10	7575		1245		C-2048-22	SG	X	<2	1	
SV19-10	10	7853		1252		C-2048-23	SG	X	<2	1	
SV5-5	10	7575		12:52		C-2048-24	SG	X	<2	1	
SV5-10	10	7853		13:11		C-2048-25	SG	X	<2	1	
SV13-5	10	7575		13:26		C-2048-26	SG	X	<2	1	
SV13-10	10	7853		13:32		C-2048-27	SG	X	<2	1	
SV11-5	10	7575		1402		C-2048-28	SG	X	<2	1	
SV11-10	10	7853		1416		C-2048-29	SG	X	<2	1	
SV18-5	10	7575	↓	1401		C-2048-30	SG	X	<2	1	↓

❶ Relinquished by (signature)	Date 5/6/13	❷ Received by (signature)	Date 5/6/13	18	Total Number of Containers
Company: Alta Environmental	Time	Company: Jones Environmental	Time 1535		
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date		
Company	Time	Company	Time		

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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Chain-of-Custody Record

Client: Alta Environmental Inc
Project Name:
Project Address: 12964 Panama St. Los Angeles, CA
Project Contact: Reed

Date: 05.06.13
Client Project #: MFEU-13-2252

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: C-2048
Page 4 of 4

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	EPA 8260B (Vac +Oxy)	Magnehelic Vacuum (in/H2O)	Number of Containers	Remarks/Special Instructions
SV18-10	10	7853	5/6	1415		C-2048-31	SG	X	<2	1	gas tight glass syringe
SV17-5	10	7575	"	1440		C-2048-32	SG	X	<2	1	
SV20-5	10	7575	"	1451		C-2048-33	SG	X	<2	1	
SV20-10	10	7853	"	1459		C-2048-34	SG	X	<2	1	
SV17-10	10	7853	"	1458		C-2048-35	SG	X	<2	1	
SV15-5	10	7575	"	1524		C-2048-36	SG	X	<2	1	
SV15-5-DUP	10	~~7575~~	"	1530		C-2048-37	SG	X	<2	1	
SV15-10	10	7853	"	1532		C-2048-38	SG	X	<2	1	
SV5-10 REP	10	7853	"	1521		C-2048-39	SG	X	<2	1	

❶ Relinquished by (signature)	Date 5/6/13	❷ Received by (signature)	Date 5/6/13	Total Number of Containers
Company Alta Environmental	Time	Company Jones Environmental	Time 1535	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	B-5454 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	5/8&10/2013 5/8&10/2013
Project Name:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-propanol or n-pentane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 10 purge volumes were used since previous sampling events determined this to be the appropriate purging volume.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for some length of time. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity.

All samples were analyzed within 30 minutes of sampling.

Approval: 

Steve Jones, Ph.D.
Laboratory Manager

JONES ENVIRONMENTAL, INC.
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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	B-5454 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	5/8&10/2013
		Date Received:	5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV14-5**	**SV14-10**	**SV36-5**	**SV36-10**	**SV34-5**		
JEL ID:	**B-5454-01**	**B-5454-02**	**B-5454-03**	**B-5454-04**	**B-5454-05**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**0.029 J**	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV14-5**	**SV14-10**	**SV36-5**	**SV36-10**	**SV34-5**		
JEL ID:	**B-5454-01**	**B-5454-02**	**B-5454-03**	**B-5454-04**	**B-5454-05**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**6.37**	**2.64**	ND	ND	ND	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**1.55**	**1.49**	ND	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	105%	104%	110%	105%	105%	75 - 125	
Toluene-d_8	99%	98%	97%	98%	99%	75 - 125	
4-Bromofluorobenzene	100%	101%	98%	104%	99%	75 - 125	
	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA		

ND= Not Detected

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	B-5454
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	5/8&10/2013
		Date Received:	5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV34-10**	**SV33-5**	**SV33-10**	**SV1-5**	**SV1-10**		
JEL ID:	**B-5454-06**	**B-5454-07**	**B-5454-08**	**B-5454-09**	**B-5454-10**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND		0.008	µg/L
Bromobenzene	ND	ND	ND	ND		0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND		0.008	µg/L
Bromoform	ND	ND	ND	ND		0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND		0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	**N**	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND		0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	**O**	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND		0.008	µg/L
Chloroethane	ND	ND	ND	ND		0.008	µg/L
Chloroform	ND	ND	ND	ND		0.008	µg/L
Chloromethane	ND	ND	ND	ND	**F**	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND		0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	**L**	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND		0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	**O**	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND		0.008	µg/L
Dibromomethane	ND	ND	ND	ND	**W**	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND		0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND		0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND		0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND		0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND		0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND		0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND		0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND		0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND		0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND		0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND		0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND		0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND		0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV34-10**	**SV33-5**	**SV33-10**	**SV1-5**	**SV1-10**		
JEL ID:	**B-5454-06**	**B-5454-07**	**B-5454-08**	**B-5454-09**	**B-5454-10**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND		0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND		0.008	µg/L
Ethylbenzene	ND	ND	ND	ND		0.008	µg/L
Freon 113	ND	**2.79**	**0.913**	**2.82**		0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND		0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	**N**	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND		0.008	µg/L
Methylene chloride	ND	ND	ND	ND	**O**	0.008	µg/L
Naphthalene	ND	ND	ND	ND		0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND		0.008	µg/L
Styrene	ND	ND	ND	ND		0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	**F**	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND		0.008	µg/L
Tetrachloroethylene	ND	ND	ND	ND	**L**	0.008	µg/L
Toluene	ND	ND	ND	ND		0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	**O**	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND		0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	**W**	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND		0.008	µg/L
Trichloroethylene	ND	ND	ND	ND		0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND		0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND		0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND		0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND		0.008	µg/L
Vinyl chloride	ND	ND	ND	ND		0.008	µg/L
Xylenes	ND	ND	ND	ND		0.008	µg/L
MTBE	ND	ND	ND	ND		0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND		0.008	µg/L
Di-isopropylether	ND	ND	ND	ND		0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND		0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND		0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND		0.008	µg/L
n-pentane	ND	ND	ND	ND		0.008	µg/L
Dilution Factor	1	1	1	1			
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	107%	109%	105%	108%		75 - 125	
Toluene-d_8	99%	96%	96%	99%		75 - 125	
4-Bromofluorobenzene	101%	99%	102%	98%		75 - 125	
	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA			

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	B-5454
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	5/8&10/2013
		Date Received:	5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV35-5**	**SV35-10**	**SV32-5**	**SV32-10**	**SV16-5**		
JEL ID:	**B-5454-11**	**B-5454-12**	**B-5454-13**	**B-5454-14**	**B-5454-15**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	**1.88**	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	**152***	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV35-5**	**SV35-10**	**SV32-5**	**SV32-10**	**SV16-5**		
JEL ID:	**B-5454-11**	**B-5454-12**	**B-5454-13**	**B-5454-14**	**B-5454-15**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	**1.88**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	ND	ND	**5.86**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	ND	ND	**19.4**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1/20*		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	106%	110%	105%	106%	107%	75 - 125	
Toluene-d_8	100%	97%	100%	96%	98%	75 - 125	
4-Bromofluorobenzene	99%	99%	100%	100%	102%	75 - 125	
	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	B-5454 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	5/8&10/2013
		Date Received:	5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV16-5 DUP**	**SV16-10**	**SV23-5**	**SV23-10**	**SV30-5**		
JEL ID:	**B-5454-16**	**B-5454-17**	**B-5454-18**	**B-5454-19**	**B-5454-20**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	**0.442**	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**0.959**	**1.16**	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**157***	**179***	**0.008 J**	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV16-5 DUP**	**SV16-10**	**SV23-5**	**SV23-10**	**SV30-5**		
JEL ID:	**B-5454-16**	**B-5454-17**	**B-5454-18**	**B-5454-19**	**B-5454-20**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**2.02**	**1.88**	**0.410**	**0.294**	**6.66**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**6.11**	**4.97**	**86.2***	**69.9***	**10.7**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**20.6**	**21.6**	**0.254**	**0.154**	**0.144**	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/20*	1/20*	1/5*	1/5*	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	107%	110%	105%	107%	111%	75 - 125	
Toluene-d_8	96%	102%	96%	97%	95%	75 - 125	
4-Bromofluorobenzene	102%	98%	100%	100%	118%	75 - 125	
	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA	B1-050813-ALTA	C1-051013-ALTA		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	B-5454
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	5/8&10/2013
		Date Received:	5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV30-10**	**SV22-5**	**SV22-10**	**SV21-5**	**SV21-10**		
JEL ID:	**B-5454-21**	**B-5454-22**	**B-5454-23**	**B-5454-24**	**B-5454-25**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	**0.030**	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV30-10'**	**SV22-5**	**SV22-10**	**SV21-5**	**SV21-10**		
JEL ID:	**B-5454-21**	**B-5454-22**	**B-5454-23**	**B-5454-24**	**B-5454-25**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**8.67**	ND	**0.519**	**0.610**	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**11.3**	**1.25**	ND	**0.153**	**0.853**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**0.156**	ND	ND	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	114%	115%	109%	114%	96%	75 - 125	
Toluene-d_8	103%	101%	98%	98%	96%	75 - 125	
4-Bromofluorobenzene	118%	119%	99%	112%	97%	75 - 125	
	C1-051013-ALTA	C1-051013-ALTA	C2-051013-ALTA	C1-051013-ALTA	C2-051013-ALTA		

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	B-5454 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	5/8&10/2013 5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV29-5**	**SV29-10**	**SV31-5**	**SV31-10**	**SV31-10 DUP**		
JEL ID:	**B-5454-26**	**B-5454-27**	**B-5454-28**	**B-5454-29**	**B-5454-30**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV29-5'**	**SV29-10**	**SV31-5**	**SV31-10**	**SV31-10 DUP**		
JEL ID:	**B-5454-26**	**B-5454-27**	**B-5454-28**	**B-5454-29**	**B-5454-30**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**53.6***	**24.1***	ND	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**104***	**115***	ND	**0.248**	**0.852**	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**0.366**	**0.237**	ND	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	**0.604**	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/4*	1/4*	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	99%	105%	93%	103%	98%	75 - 125	
Toluene-d_8	100%	108%	95%	99%	101%	75 - 125	
4-Bromofluorobenzene	95%	90%	91%	107%	111%	75 - 125	
	C2-051013-ALTA	C2-051013-ALTA	C2-051013-ALTA	C1-051013-ALTA	C1-051013-ALTA		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	B-5454 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	5/8&10/2013
		Date Received:	5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK (05-08)**	**SAMPLING BLANK (05-08)**	**METHOD BLANK (05-10)**	**SAMPLING BLANK (05-10)**	**METHOD BLANK (05-10)**		
JEL ID:	**B-5454-31**	**B-5454-32**	**B-5454-36**	**B-5454-37**	**B-5454-41**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK (05-08)	SAMPLING BLANK (05-08)	METHOD BLANK (05-10)	SAMPLING BLANK (05-10)	METHOD BLANK (05-10)		
JEL ID:	**B-5454-31**	**B-5454-32**	**B-5454-36**	**B-5454-37**	**B-5454-41**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	ND	ND	ND	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	ND	ND	ND	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	ND	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	ND	ND	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	110%	108%	102%	110%	101%	75 - 125	
Toluene-d_8	98%	97%	100%	94%	100%	75 - 125	
4-Bromofluorobenzene	98%	102%	105%	100%	98%	75 - 125	
	B1-050813-ALTA	B1-050813-ALTA	C1-051013-ALTA	C1-051013-ALTA	C2-051013-ALTA		

ND= Not Detected

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	B-5454 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	5/8&10/2013 5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** B1-050813-ALTA

JEL ID:	**B-5454-34**	**B-5454-35**			**B-5454-33**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	79%	86%	8.8%	70-130	95%	70-130
Benzene	110%	105%	4.6%	70-130	109%	70-130
Trichloroethylene	99%	100%	0.8%	70-130	106%	70-130
Toluene	104%	109%	4.8%	70-130	110%	70-130
Chlorobenzene	107%	107%	0.4%	70-130	112%	70-130
Surrogate Recovery:						
Dibromofluoromethane	101%	109%		75-125	85%	75-125
Toluene-d_8	99%	111%		75-125	98%	75-125
4-Bromofluorobenzene	100%	90%		75-125	83%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	B-5454 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	5/8&10/2013 5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** C1-051013-ALTA

JEL ID:	**B-5454-39**	**B-5454-40**			**B-5454-38**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	116%	116%	0.3%	70-130	114%	70-130
Benzene	114%	108%	5.9%	70-130	113%	70-130
Trichloroethylene	104%	97%	7.3%	70-130	101%	70-130
Toluene	81%	82%	1.0%	70-130	84%	70-130
Chlorobenzene	104%	98%	5.6%	70-130	105%	70-130
Surrogate Recovery:						
Dibromofluoromethane	98%	99%		75-125	101%	75-125
Toluene-d_8	97%	102%		75-125	103%	75-125
4-Bromofluorobenzene	100%	101%		75-125	95%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	5/10/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	B-5454 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	5/8&10/2013 5/8&10/2013
Project:	Panama Site	**Date Analyzed:**	5/8&10/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** C2-051013-ALTA

JEL ID:	**B-5454-43**	**B-5454-44**			**B-5454-42**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	87%	86%	0.4%	70-130	111%	70-130
Benzene	113%	113%	0.6%	70-130	119%	70-130
Trichloroethylene	105%	103%	2.0%	70-130	127%	70-130
Toluene	109%	108%	1.5%	70-130	111%	70-130
Chlorobenzene	109%	107%	1.7%	70-130	115%	70-130
Surrogate Recovery:						
Dibromofluoromethane	100%	102%		75-125	83%	75-125
Toluene-d_8	95%	100%		75-125	92%	75-125
4-Bromofluorobenzene	96%	99%		75-125	90%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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Chain-of-Custody Record

Client: Alta Environmental
Date: 5/8/13
Project Name: ~~Teledyne~~ Pomona Site
Client Project #: MCGU-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test Y / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project # B-5454
Page 1 of 3

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☑ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B				Magnehelic Vacuum ($in H_2O$)	Number of Containers	Remarks/Special Instructions
SV14-5	10	7575	5/8	0813		B-5454-01	SG	X				<2	1	Airtight glass syringe
SV14-10	10	7853	5/8	0815		B-5454-02	SG	X				<2	1	
SV36-5	10	7575	5/8	0901		B-5454-03	SG	X				<2	1	
SV36-10	10	7853	5/8	0903		B-5454-04	SG	X				<2	1	
SV34-5	10	7575	5/8	0954		B-5454-05	SG	X				<2	1	
SV34-10	10	7853	5/8	0956		B-5454-06	SG	X				<2	1	
SV33-5	10	7575	5/8	1047		B-5454-07	SG	X				<2	1	
SV33-10	10	7853	5/8	1049		B-5454-08	SG	X				<2	1	
SV1-5	10	2945	5/8	11:30		B-5454-09	SG	X				49	1	Low Flow
SV1-10	10		5/8	11:40		B-5454-10	SG					>100	1	No Flow

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❶ Relinquished by (signature)	Date	❷ Received by (signature)	Date		Total Number of Containers
Company	Time	Company	Time		
❸ Relinquished by (signature)	Date 5/10/13	❹ Received by Laboratory (signature)	Date 5/8/13		
Company	Time 1110	Company JEL	Time 1710		

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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Chain-of-Custody Record

Client: ALTA ENVIRONMENTAL
Project Name: ~~FIELDTIME~~ POMONA SITE
Project Address: 12964 PANAMA STREET
LOS ANGELES, CA
Project Contact: JONATHAN BAUKMAN

Date: 5/8/13
Client Project #: MCGU-13-2252

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ ~~10P~~
Purge Rate: 200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ ~~n~~-propanol
- ☒ ~~n~~-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: B-5454
Page 2 of 3
Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ ~~no~~
Sealed ☒ ~~yes~~ ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested: 8260 B				Magnehelic Vacuum (in H_2O)	Number of Containers	Remarks/Special Instructions
SV35-5	10	7575	5/8	1139		B-5454-11	SG	X				<2	1	GLASS GAS TIGHT SYRINGE
SV35-10	10	7853	5/8	1141		B-5454-12	SG	X				<2	1	
SV32-5	10	7575	5/8	1230		B-5454-13	SG	X				<2	1	
SV32-10	10	7853	5/8	1232		B-5454-14	SG	X				<2	1	
SV16-5	10	7575	5/8	1324		B-5454-15	SG	X				<2	1	
SV16-5 DUP	10	~~7575~~ 7853	5/8	1325		B-5454-16	SG	X				<2	1	
SV16-10	10	7853	5/8	1327		B-5454-17	SG	X				<2	1	
SV23-5	10	7575	5/8	1418		B-5454-18	SG	X				<2	1	
SV23-10	10	7853	5/8	1420		B-5454-19	SG	X				<2	1	
~~SV23~~ SV30-5	10	7575	5/10	07:39		B-5454-20	SG	X				<2	1	

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❶ Relinquished by (signature)	Date 5/10/13	❷ Received by (signature)	Date 5/8/13	9	5/10/13 Total Number of Containers
Company	Time 1110	Company JEL	Time 1611		
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date		
Company	Time	Company	Time		

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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Chain-of-Custody Record

Client: ALTA ENVIRONMENTAL
Date: 5/10/13
Project Name: POMONA SITE
Client Project #: MCGH-13 2255
Project Address: 12964 PANAMA STREET, LOS ANGELES, CA
Project Contact: JON BARGMAN

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☑ 10P
Purge Rate: 200 cc/min
Shut in Test (Y) / N
Tracer:
- ☑ n-propanol
- ☑ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: B-5454
Page 3 of 3

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☑ no
Sealed ☐ yes ☐ no

Analysis Requested: Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG) | EPA 8260B | Magnehelic Vacuum (in/H2O) | Number of Containers

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Matrix	EPA 8260B				Magnehelic Vacuum (in/H2O)	Number of Containers	Remarks/Special Instructions
SV30-10'	10	7835	5/10/13	08:01		B-5454-21	SG	X				<2	1	GLASS GAS TIGHT SYRINGE
SV22-5'	10	7575	5/10/13	08:31		B-5454-22	SG	X				<2	1	
SV22-10'	10	7835	5/10/13	08:45		B-5454-23	SG	X				<2	1	
SV21-5'	10	7575	5/10/13	08:52		B-5454-24	SG	X				<2	1	
SV21-10'	10	7835	5/10/13	09:04		B-5454-25	SG	X				<2	1	
SV29-5'	10	7575	5/10/13	09:27		B-5454-26	SG	X				<2	1	
SV29-10'	10	7835	5/10/13	09:30		B-5454-27	SG	X				<2	1	
SV31-5'	10	7575	5/10/13	09:47		B-5454-28	SG	X				<2	1	
SV31-10'	10	7835	5/10/13	09:55		B-5454-29	SG	X				<2	1	
SV31-10' DUP	10	7835	5/10/13	09:55		B-5454-30	SG	X				<2	1	

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❶ Relinquished by (signature)	Date 5/10/13	❷ Received by (signature)	Date 5/10/13	Total Number of Containers
Company	Time 1110	Company JEL	Time 11:10	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/22/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7118
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/22/2013
		Date Received:	7/22/2013
Project Name:	Panama Site	**Date Analyzed:**	7/22/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

ANALYSES REQUESTED

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates

Sampling – Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-propanol and n-pentane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-propanol or n-pentane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min except when noted differently on the chain of custody record using a gas tight syringe. 10 purge volumes were used since previous sampling events determined this to be the appropriate purging volume.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for some length of time. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, Matrix Spike (MS) and Matrix Spike Duplicates (MSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity.

All samples were injected within 30 minutes of sampling.

Approval: 

Steve Jones, Ph.D.
Laboratory Manager

JONES ENVIRONMENTAL, INC.
P.O. Box 5387 | Fullerton, CA 92838
(714) 449-9937 | Fax (714) 449-9685

JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/22/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7118
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/22/2013
		Date Received:	7/22/2013
Project:	Panama Site	**Date Analyzed:**	7/22/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV97-10'**	**SV98-8'**	**SV77-5'**	**SV77-10'**	**SV89-4'**		
JEL ID:	**A-7118-05**	**A-7118-06**	**A-7118-07**	**A-7118-08**	**A-7118-11**	**Method Detection Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	**0.050**	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	**0.029**	**0.026**	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	ND	ND	**0.025 J**	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**0.970***	**2.12***	**0.965***	**1.36***	**3.34***	0.008	µg/L
cis-1,2-Dichloroethene	**12.7**	**96.4***	**3.59**	**16.8**	**166***	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV97-10'**	**SV98-8'**	**SV77-5'**	**SV77-10'**	**SV89-4'**		
JEL ID:	**A-7118-05**	**A-7118-06**	**A-7118-07**	**A-7118-08**	**A-7118-11**	**Method Detection Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Freon 113	**1.20**	**0.041**	**0.562**	**1.35**	**0.163**	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**159***	**14.8***	**52.7***	**63.2***	**2.56***	0.008	µg/L
Toluene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	**0.011 J**	ND	**0.103**	**0.178**	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**15.8***	**20.5***	**45.1***	**78.6***	**23.0***	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	**0.149**	**0.856**	**0.157**	**0.985***	**11.7***	0.008	µg/L
Xylenes	ND	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	ND	0.040	µg/L
TIC:							
n-propanol	ND	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/10*	1/10*	1/10*	1/10*	1/10*		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	112%	109%	111%	107%	101%	75 - 125	
Toluene-d_8	98%	103%	102%	104%	110%	75 - 125	
4-Bromofluorobenzene	94%	95%	101%	93%	95%	75 - 125	
	A2-072213-A-7118	A2-072213-A-7118	A2-072213-A-7118	A2-072213-A-7118	A2-072213-A-7118		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/22/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7118
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/22/2013
		Date Received:	7/22/2013
Project:	Panama Site	**Date Analyzed:**	7/22/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV89-8'**	**SV88-10'**	**SV88-10' DUP**	**SV96-4'**		
JEL ID:	**A-7118-12**	**A-7118-14**	**A-7118-15**	**A-7118-17**	**Method Detection Limit**	**Units**
Analytes:						
Benzene	**0.033**	ND	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	ND	ND	0.008	µg/L
Bromoform	ND	ND	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	ND	ND	0.008	µg/L
Chloroethane	ND	ND	ND	ND	0.008	µg/L
Chloroform	ND	ND	ND	ND	0.008	µg/L
Chloromethane	ND	ND	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethane	**0.023 J**	ND	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloroethene	**2.43**	ND	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	**115**	**21.5**	**19.0**	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**SV89-8'**	**SV88-10'**	**SV88-10' DUP**	**SV96-4'**		
JEL ID:	**A-7118-12**	**A-7118-14**	**A-7118-15**	**A-7118-17**	**Method Detection Limit**	**Units**
Analytes:						
cis-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	ND	ND	0.008	µg/L
Freon 113	**1.72**	**99.0**	**93.9**	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	ND	ND	0.008	µg/L
Naphthalene	ND	ND	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	ND	ND	0.008	µg/L
Styrene	ND	ND	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.008	µg/L
Tetrachloroethylene	**5.90***	**25.7**	**23.9**	**0.532**	0.008	µg/L
Toluene	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	**0.012 J**	ND	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	ND	ND	0.008	µg/L
Trichloroethylene	**24.6**	**6.05**	**5.53**	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND	0.008	µg/L
Vinyl chloride	**9.95**	**0.958**	**0.842**	ND	0.008	µg/L
Xylenes	ND	ND	ND	ND	0.008	µg/L
MTBE	ND	ND	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	ND	ND	0.040	µg/L
TIC:						
n-propanol	ND	ND	ND	ND	0.008	µg/L
n-pentane	ND	ND	ND	ND	0.008	µg/L
Dilution Factor	1/10*	1	1	1		
Surrogate Recoveries:					**QC Limits**	
Dibromofluoromethane	110%	99%	98%	104%	75 - 125	
Toluene-d_8	100%	104%	105%	104%	75 - 125	
4-Bromofluorobenzene	92%	96%	97%	94%	75 - 125	
	A2-072213-A-7118	A2-072213-A-7118	A2-072213-A-7118	A2-072213-A-7118		

ND= Not Detected

* = Dilutions for these compound(s); first number for all others

J = Estimated Concentration

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Alta Environmental, Inc.	**Report date:**	7/22/2013
Client Address:	3777 Long Beach Blvd.	**JEL Ref. No.:**	A-7118
	Long Beach, CA 90807	**Client Ref. No.:**	MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:**	7/22/2013
		Date Received:	7/22/2013
Project:	Panama Site	**Date Analyzed:**	7/22/2013
Project Address:	12964 Panama Street	**Physical State:**	Soil Gas
	Los Angeles, CA		

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	**METHOD BLANK**	**SAMPLING BLANK**		
JEL ID:	**A-7118-18**	**A-7118-19**	**Method Detection Limit**	**Units**
Analytes:				
Benzene	ND	ND	0.008	µg/L
Bromobenzene	ND	ND	0.008	µg/L
Bromodichloromethane	ND	ND	0.008	µg/L
Bromoform	ND	ND	0.008	µg/L
n-Butylbenzene	ND	ND	0.008	µg/L
sec-Butylbenzene	ND	ND	0.008	µg/L
tert-Butylbenzene	ND	ND	0.008	µg/L
Carbon tetrachloride	ND	ND	0.008	µg/L
Chlorobenzene	ND	ND	0.008	µg/L
Chloroethane	ND	ND	0.008	µg/L
Chloroform	ND	ND	0.008	µg/L
Chloromethane	ND	ND	0.008	µg/L
2-Chlorotoluene	ND	ND	0.008	µg/L
4-Chlorotoluene	ND	ND	0.008	µg/L
Dibromochloromethane	ND	ND	0.008	µg/L
1,2-Dibromo-3-chloropropane	ND	ND	0.008	µg/L
1,2-Dibromoethane (EDB)	ND	ND	0.008	µg/L
Dibromomethane	ND	ND	0.008	µg/L
1,2- Dichlorobenzene	ND	ND	0.008	µg/L
1,3-Dichlorobenzene	ND	ND	0.008	µg/L
1,4-Dichlorobenzene	ND	ND	0.008	µg/L
Dichlorodifluoromethane	ND	ND	0.008	µg/L
1,1-Dichloroethane	ND	ND	0.008	µg/L
1,2-Dichloroethane	ND	ND	0.008	µg/L
1,1-Dichloroethene	ND	ND	0.008	µg/L
cis-1,2-Dichloroethene	ND	ND	0.008	µg/L
trans-1,2-Dichloroethene	ND	ND	0.008	µg/L
1,2-Dichloropropane	ND	ND	0.008	µg/L
1,3-Dichloropropane	ND	ND	0.008	µg/L
2,2-Dichloropropane	ND	ND	0.008	µg/L
1,1-Dichloropropene	ND	ND	0.008	µg/L

ND= Not Detected

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample ID:	METHOD BLANK	SAMPLING BLANK		
JEL ID:	**A-7118-18**	**A-7118-19**	**Method Detection Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	0.008	µg/L
trans-1,3-Dichloropropene	ND	ND	0.008	µg/L
Ethylbenzene	ND	ND	0.008	µg/L
Freon 113	ND	ND	0.008	µg/L
Hexachlorobutadiene	ND	ND	0.008	µg/L
Isopropylbenzene	ND	ND	0.008	µg/L
4-Isopropyltoluene	ND	ND	0.008	µg/L
Methylene chloride	ND	ND	0.008	µg/L
Naphthalene	ND	ND	0.008	µg/L
n-Propylbenzene	ND	ND	0.008	µg/L
Styrene	ND	ND	0.008	µg/L
1,1,1,2-Tetrachloroethane	ND	ND	0.008	µg/L
1,1,2,2-Tetrachloroethane	ND	ND	0.008	µg/L
Tetrachloroethylene	ND	ND	0.008	µg/L
Toluene	ND	ND	0.008	µg/L
1,2,3-Trichlorobenzene	ND	ND	0.008	µg/L
1,2,4-Trichlorobenzene	ND	ND	0.008	µg/L
1,1,1-Trichloroethane	ND	ND	0.008	µg/L
1,1,2-Trichloroethane	ND	ND	0.008	µg/L
Trichloroethylene	ND	ND	0.008	µg/L
Trichlorofluoromethane	ND	ND	0.008	µg/L
1,2,3-Trichloropropane	ND	ND	0.008	µg/L
1,2,4-Trimethylbenzene	ND	ND	0.008	µg/L
1,3,5-Trimethylbenzene	ND	ND	0.008	µg/L
Vinyl chloride	ND	ND	0.008	µg/L
Xylenes	ND	ND	0.008	µg/L
MTBE	ND	ND	0.008	µg/L
Ethyl-tert-butylether	ND	ND	0.008	µg/L
Di-isopropylether	ND	ND	0.008	µg/L
tert-amylmethylether	ND	ND	0.008	µg/L
tert-Butylalcohol	ND	ND	0.040	µg/L
TIC:				
n-propanol	ND	ND	0.008	µg/L
n-pentane	ND	ND	0.008	µg/L
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	110%	113%	75 - 125	
Toluene-d_8	99%	104%	75 - 125	
4-Bromofluorobenzene	90%	99%	75 - 125	
	A2-072213-A-7118	A2-072213-A-7118		

ND= Not Detected

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Alta Environmental, Inc.	**Report date:**	7/22/2013
Client Address:	3777 Long Beach Blvd. Long Beach, CA 90807	**JEL Ref. No.:** **Client Ref. No.:**	A-7118 MCGU-13-2252
Attn:	Jonathan Barkman	**Date Sampled:** **Date Received:**	7/22/2013 7/22/2013
Project:	Panama Site	**Date Analyzed:**	7/22/2013
Project Address:	12964 Panama Street Los Angeles, CA	**Physical State:**	Soil Gas

EPA 8260B-Volatile Organics by GC/MS + Oxygenates

Sample Spiked: Ambient Air **GC#:** A2-072213-A-7118

JEL ID:	**A-7118-21**	**A-7118-22**			**A-7118-20**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
1,1-Dichloroethylene	118%	113%	4.4%	70-130	111%	70-130
Benzene	107%	104%	2.9%	70-130	106%	70-130
Trichloroethylene	117%	112%	4.4%	70-130	108%	70-130
Toluene	99%	103%	3.9%	70-130	103%	70-130
Chlorobenzene	105%	101%	3.3%	70-130	116%	70-130
Surrogate Recovery:						
Dibromofluoromethane	109%	109%		75-125	91%	75-125
Toluene-d_8	100%	103%		75-125	110%	75-125
4-Bromofluorobenzene	97%	101%		75-125	102%	75-125

Method Blank = Not Detected

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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Chain-of-Custody Record

Client: Alta Environmental, Inc.
Date: 7/22/2013
Project Name: Daugherty Site
Client Project #: MCGU-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) / N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: A-7118
Page 1 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	8260B					Magnehelic Vacuum (in/H_2O)	Number of Containers	Remarks/Special Instructions
SV97-5'	NO	FLOW	7/22	0810		A-7118-01							>100	C	NO FLOW
SV79-4'	NO	FLOW	7/22	0831		A-7118-02							>100	C	NO FLOW
SV79-8'	NO	FLOW	7/22	0835		A-7118-03							>100	C	NO FLOW
SV98-4'	NO	FLOW	7/22	0840		A-7118-04							>100	C	NO FLOW
SV97-10'	10	7853	7/22	0852	0921	A-7118-05	SG	X					2	1	glass gastight syringe
SV98-8'	10	7742	7/22	0918	0939	A-7118-06	SG	X					3	1	↓
SV77-5'	10	7515	7/22	0947	0955	A-7118-07	SG	X					6	1	
SV77-10'	10	7853	7/22	1004	1011	A-7118-08	SG	X					<2	1	
SV82-4'	NO	FLOW	7/22	1018		A-7118-09							>100	C	NO FLOW
SV82-8'	NO	FLOW	7/22	1020		A-7118-10							>100	C	NO FLOW

❶ Relinquished by (signature)	Date 7/22/13	❷ Received by (signature)	Date 7/22/13	4	**Total Number of Containers**
Company Alta Environmental	Time 1340	Company JEL	Time 1340		
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date		The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
Company	Time	Company	Time		

JONES ENVIRONMENTAL, INC.
P.O. Box 5387
Fullerton, CA 92838
(714) 449-9937
Fax (714) 449-9685
www.jonesenvironmentallab.com

Chain-of-Custody Record

Client: Alta Environmental, Inc.
Date: 7/22/2013
Project Name: Panama Site
Client Project #: MCGH-13-2252
Project Address: 12964 Panama Street, Los Angeles, CA
Project Contact: Jonathan Barkman

Turn Around Requested:
- ☐ Immediate Attention
- ☐ Rush 24-48 Hours
- ☐ Rush 72-96 Hours
- ☐ Normal
- ☒ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☒ 10P
Purge Rate: ~200 cc/min
Shut in Test (Y) N
Tracer:
- ☒ n-propanol
- ☒ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project #: A-7118
Page 2 of 2

Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☒ no
Sealed ☒ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested: 8260B				Magnehelic Vacuum (in/H_2O)	Number of Containers	Remarks/Special Instructions
SV89-4'	10	7519	7/22	1059	1101	A-7118-01	SG	X				4	1	glass gastight syringe
SV89-8'	10	7742	7/22	1114	1117	A-7118-02	SG	X				17	1	
SV88-5'	NO	FLOW	7/22	1142		A-7118-13						>100	0	NO FLOW
SV88-10'	10	7853	7/22	1223	1227	A-7118-14	SG	X				10	1	
SV88-10' DUP	10	7853	7/22	1224	1244	A-7118-15	SG	X				10	1	
SV96-8'	NO	FLOW	7/22	1301		A-7118-16						>100	0	NO FLOW
SV96-4'	10	7519	7/22	1315	1319	A-7118-17	SG	X				22	1	

❶ Relinquished by (signature)	Date 7/22/13	❷ Received by (signature)	Date 7/22/13	5 Total Number of Containers
Company Alta Environmental	Time 1340	Company JEL	Time 1340	
❸ Relinquished by (signature)	Date	❹ Received by Laboratory (signature)	Date	
Company	Time	Company	Time	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

10

APPENDIX D

Groundwater Well Development Records

Groundwater Monitoring Well Purging Record

Project: Pawnee Site Project No.: MCGV-13-2252

Date: 7/26/13 Weather: cloudy / light rain / 70°F

Sample Team: KD / RS Well Measured By: _____

Well No.: GW1 Well Condition: Good

Does this wellhead require repair? ☐ yes ☒ no Explanation: _____

Does this well require bolts and/or well locking caps? ..... ☐ yes ☒ no Explanation: _____

Static depth to water from top of casing	A:	12.28 ft.	Time:	_____
Top of casing to bottom of casing	B:	19.99 ft.		
Feet of water in well	H:	7.71 ft.	H = B - A	
Diameter	D:	4 in.		
Volume of water in well	V:	5.03 gal.	$= \pi r^2 H / 77.01$	V
Three well volumes	Vx3:	_____ gal.		

Purge time begin: 1100 Purge time finish: 1210

Purging/bailing technique: _____ Purging/bailing equipment: 15' / 2.5" stainless bailer

Average pumping rate: _____ Volume of water removed: 170 g

Depth to water from top of casing (at time of sampling): 12.38 Sampling time: 1245

Time	pH	Cond. (µs/cm)	Temp. (°C)	Turb. (NTU)	DO (mg/L)	ORP (mV)	TDS (ppm)	Observations
1100	7.71	1732	22.5	1861		67	1215	
	7.54	1730	22.3	59.6		66	1214	
	7.48	1731	22.3	797		67	1219	dry
	7.47	1724	22.3	940		68	1215	
	7.51	1719	22.6	887		71	1214	
	7.51	1728	22.3	712		71	1228	
	7.48	1729	22.2	865		70	1227	
	7.41	1728	22.1	645		69	1223	
	7.40	1732	22.2	532		68	1226	
	7.43	1725	22.1	775		68	1217	dry
	7.45	1732	22.3	811		71	1219	
	7.46	1727	22.2	734		72	1221	
	7.46	1735	22.1	607		72	1221	
1210	7.47	1735	22.1	677		71	1218	DTB - 20.00

ALTA ENVIRONMENTAL

Groundwater Monitoring Well Purging Record

Project: Panorama Site Project No.: NCGA-13-2252

Date: 7/26/13 Weather:

Sample Team: RS Well Measured By:

Well No.: GW2 Well Condition:

Does this wellhead require repair? ☐ yes ☐ no Explanation:

Does this well require bolts and/or well locking caps? ☐ yes ☐ no Explanation:

Static depth to water from top of casing ..... A: 9.71 ft. Time: 0740

Top of casing to bottom of casing ..... B: 19.80 ft.

Feet of water in well ..... H: 10.09 ft. H = B - A

Diameter ..... D: 4 in.

Volume of water in well ..... V: 6.58 gal. $= \pi r^2 H / 77.01$ V

Three well volumes ..... Vx3: _____ gal.

Purge time begin: 0750 Purge time finish: 0858

Purging/bailing technique: Purging/bailing equipment:

Average pumping rate: Volume of water removed: 90 gal.

Depth to water from top of casing (at time of sampling): 9.81 Sampling time: 0905

Time	pH	Cond. (µs/cm)	Temp. (°C)	Turb. (NTU)	DO (mg/L)	ORP (mV)	TDS (ppm)	Observations
750	7.72	1842	21.0	55.4		-31	1310	
	7.64	1769	20.7	OFF Scale		-17	1255	
	7.55	1731	21.0	82.5		-15	1227	
	7.54	1735	20.7	1334		-9	1225	
	7.51	1735	20.5	708		-3	1225	
	7.51	1740	20.5	2101		7	1229	
	7.51	1744	20.5	1574		12	1231	
	7.51	1745	20.4	140		16	1234	
	7.52	1745	20.4	152		22	1237	D.Y
	7.50	1806	20.6	~~1466~~ 3		33	1242	
0845	7.47	1753	21.0	60.1		39	1257	
[redacted]	7.54	1753	20.9	55.2		40	1243	

ALTA ENVIRONMENTAL

Groundwater Monitoring Well Purging Record

Project: Panama Site Project No.: MGW13-2252

Date: 7/26/13 Weather: Light Rain/overcast/68°F

Sample Team: K. Deake Well Measured By: _____

Well No.: GW3 Well Condition: good

Does this wellhead require repair? ☐ yes ☒ no Explanation: _____

Does this well require bolts and/or well locking caps? ..... ☐ yes ☒ no Explanation: _____

Static depth to water from top of casing ..... A: 10.78 ft. Time: 0920

Top of casing to bottom of casing ..... B: 19.72 ft.

Feet of water in well ..... H: 8.94 ft. H = B - A

Diameter ..... D: 4 in.

Volume of water in well ..... V: 5.83 gal. $= \pi r^2 H / 77.01$ V

Three well volumes ..... Vx3: _____ gal.

Purge time begin: 0925 Purge time finish: 1045

Purging/bailing technique: _____ Purging/bailing equipment: _____

Average pumping rate: _____ Volume of water removed: 130 gal

Depth to water from top of casing (at time of sampling): 10.81 Sampling time: 1100

Time	pH	Cond. (µs/cm)	Temp. (°C)	Turb. (NTU)	DO (mg/L)	ORP (mV)	TDS (ppm)	Observations
0925	7.60	1498	22.8	180		50	1048	
	7.78	1501	22.9	166		54	1057	
	7.76	1623	21.5	89		67	1231	Dry
	7.74	1478	23.3	116		52	1035	
	7.73	1523	23.2	139		58	1065	
	7.67	1502	22.9	91.2		57	1048	
	7.65	1554	22.9	117		63	1084	
	7.6	1551	23.1	132		65	1087	
	7.56	1538	22.6	107.8		65	1082	
	7.54	1509	22.6	101.7		66	1056	
	7.52	1562	22.7	113		65	1094	
	7.50	1502	22.7	64.9		66	1055	
	7.50	1537	22.7	119		66	1075	Dry
	7.52	1534	22.8	136		67	1101	
	7.51	1543	22.8	60.3		67	1093	
	7.51	1553	22.7	59.8		66	1093	
1045	7.51	1577	22.6	57.3		66	1098	

DTB 19.82

ALTA ENVIRONMENTAL

APPENDIX E

Groundwater Well Survey Report

DMc Engineering
Civil ▪ Surveying ▪ Planning ▪ Construction

MONITORING WELL SURVEY REPORT

PROJECT INFORMATION

Client:	**ALTA Environmental**
Site Address:	**12964 Panama Street Los Angeles, CA 90066**
Date of Survey:	**June 14, 2013**
Date of Report:	**July 10, 2013**
DMc Job Number:	**1155-09**

HORIZONTAL AND VERTICAL CONTROLS

Horizontal Datum:	**California State Plane, NAD83**
Horizontal Zone:	**California 5**
Horizontal Units:	**U.S. Survey Feet**
Vertical Datum:	**City of Los Angeles BM# 11028 Elev. = 19.445 FT (NGVD 29) ADJ. 1985**
Vertical Units:	**U.S. Survey Feet**

CALIFORNIA STATE PLANE COORDINATES

Northing	*Easting*	*TC Elev.*	*Lid Elev.*	*Well Designation*
1816243.753	**6431595.558**	**12.326**	**12.571**	**GW- 1**
1816751.008	**6431795.959**	**11.864**	**12.129**	**GW- 2**
1816324.071	**6431884.320**	**11.529**	**12.571**	**GW- 3**

LATITUDE AND LONGITUDE *(Format = Deg-Min-Decimal Seconds)*

Latitude	*Longitude*	*Well Designation*
33° 58’ 56.53138”	**118° 25’ 44.56211”**	**GW-1**
33° 59’ 01.55769”	**118° 25’ 42.20810”**	**GW-2**
33° 58’ 57.33808”	**118° 25’ 41.13724”**	**GW-3**

NOTE:

TC = Top of Casing
Lid = Top of Lid

APPENDIX F

Investigation Derived Waste Disposal Manifests

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
8.5.13		393 / 476	A07	41403	0012

Generator and/or Consultant

Generator's Name and Billing Address: TELEDYNE TECHNOLOGIES 12964 PANAMA ST. LOS ANGELES, CA 90066	Generator's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)* TELEDYNE MICROELECTRONICS TECHNOLOGIES 12964 PANAMA ST. LOS ANGELES, CA 90066	Site Phone #:	
	Person to Contact:	
	FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-8001	
	Person to Contact: DELLENA JEFFREY	
	FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 26871 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 223419	Transporter's Phone #: 949-460-6200	CAR000193913
	Person to Contact: LARRY MOOTHART	460647
	FAX#: 949-460-6210	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	1	Soil Drum	38160	37660	500
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					.29

List any exception to items listed above: Scale Ticket # 1091738

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☒ — Signature and date: — Month: 7 Day: 31 Year: 13

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: — Signature and date: — Month: 7 Day: 31 Year: 13

Recycling Facility

Discrepancies:
12964PAN
907104

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
D. JEFFREY/J. PROVANSAL	8.5.13

Please print or type.

TRANSPORTER COPY

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
7/18/13		198/733	A07	41403	001

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	
TELEDYNE TECHNOLOGIES 12964 PANAMA ST. LOS ANGELES, CA 90066	Person to Contact:	
	FAX#:	Customer Account Number
Consultant's Name and Billing Address:	**Consultant's Phone #:**	
	Person to Contact:	
	FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)*	**Site Phone #:**	
TELEDYNE MICROELECTRONICS TECHNOLOGIES 12964 PANAMA STREET LOS ANGELES, CA	Person to Contact:	
	FAX#:	
Designated Facility (Transport to): *(name & address)*	**Facility Phone #:** (800) 862-8001	
SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Person to Contact: DELLENA JEFFREY	
	FAX#: (760) 246-8004	
Transporter Name and Mailing Address:	**Transporter's Phone #:** 949-460-6200	CAR000183913
BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 223034	Person to Contact: LARRY MOOTHART	460647
	FAX#: 949-460-6210	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	15 drums		45340	36200	9140
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					4,577

List any exceptions to items listed above: Bin # 31 CT

Scale Ticket # 1091616

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐	Signature and date:	Month	Day	Year
Reid Shiseo As Agent For Teledyne		7	18	13

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
FRANK SALAZAR		07	18	13

Recycling Facility

Discrepancies:
12964 PAN
905498

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
D. JEFFREY/J. PROVANSAL	7/30/13

Please print or type

TRANSPORTER COPY

NO. 703619

NON-HAZARDOUS WASTE DATA FORM

DESI # 223416

GENERATOR

Generator's Name and Mailing Address
TELEDYNE TECHNOLOGIES
12964 PANAMA ST.
LOS ANGELES, CA 90066

Generator's Site Address (if different than mailing address)
TELEDYNE MICROELECTRONICS TECHNOLOGIES
12964 PANAMA ST.
LOS ANGELES, CA 90066

Generator's Phone:

Container type removed from site:
☒ Drums ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other

Quantity 15

Container type transported to receiving facility:
☐ Drums XX ☐ Vacuum Truck ☐ Roll-off Truck ☐ Dump Truck
☐ Other

Quantity 1 Volume 740 Gallons

WASTE DESCRIPTION NON-HAZARDOUS WATER

GENERATING PROCESS WELL PURGING / DECON WATER

COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%
2. TPH		<1%

COMPONENTS OF WASTE	PPM	%
3.		
4.		

Waste Profile PROPERTIES: pH 7-10 ☐ SOLID XX ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER

HANDLING INSTRUCTIONS:

Generator Printed/Typed Name: K. Drake for Teledyne — Signature — Month 7 Day 31 Year 13

The Generator certifies that the waste as described is 100% non-hazardous

TRANSPORTER

Transporter 1 Company Name: BELSHIRE — Phone# 949-460-6200

Transporter 1 Printed/Typed Name: Paul Delgado — Signature — Month 7 Day 31 Year 13

Transporter Acknowledgment of Receipt of Materials

Transporter 2 Company Name: NIETO & SONS TRUCKING, INC. — Phone# 714-990-6666

Transporter 2 Printed/Typed Name: Chago Martinez — Signature — Month 8 Day 5 Year 13

Transporter Acknowledgment of Receipt of Materials

RECEIVING FACILITY

Designated Facility Name and Site Address
DEMENNO KERDOON
2000 N. ALAMEDA ST.
COMPTON, CA 90222

Phone# 310-537-7100

Printed/Typed Name: Samuel P. Sisk — Signature — Month 8 Day 15 Year 13

Designated Facility Owner or Operator: Certification of receipt of materials covered by this data form

12964 PAN
913152

APPENDIX G

Geosyntec Investigation Report Dated June 27, 2014

Prepared for:

Greenberg Glusker Fields Claman & Machtinger LLP

SOIL AND SOIL VAPOR INVESTIGATION REPORT

12922 Panama Street Site
Los Angeles, California

Prepared by:

Geosyntec consultants

engineers | scientists | innovators

1111 Broadway, 6th Floor
Oakland, CA 94607
Telephone: 510.836.3034
Fax 510.836.3036
www.geosyntec.com

Project Number: WR1806

27 June 2014

Soil and Soil Vapor Investigation Report

12922 Panama Street Site
Los Angeles, California

Prepared by

Geosyntec Consultants, Inc.
1111 Broadway, 6th Floor
Oakland, California 94607

Robert H. Cheung
Senior Toxicologist/Risk Assessor

Deepa Gandhi, PE
Senior Engineer

Ravi Arulanantham, Ph.D.
Principal

Project Number: WR1806
27 June 2014

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1.0 INTRODUCTION

On behalf of Greenberg Glusker Fields Claman & Machtinger LLP (Greenberg Glusker), which represents the owners[1] of the subject property (the site; **Figure 1**), Geosyntec Consultants, Inc. (Geosyntec) has prepared this Soil and Soil Vapor Investigation Report to summarize the results of a soil and soil vapor investigation conducted in May 2014 at the site. Recent investigations performed by others indicate that volatile organic compounds (VOCs) are present beneath the site in soil, soil vapor, and groundwater. The purpose of this investigation was to collect data to characterize the extent of VOCs in soil and soil vapor in select locations of the site.

2.0 SITE BACKGROUND

The site is an approximately 5.7-acre commercial/industrial property located in a mixed residential and commercial area of Los Angeles, California, near the unincorporated community of Marina Del Rey. The site is bounded by a storage facility and Culver Boulevard to the southeast, the Marina Freeway (Highway 90) frontage road to the south, Alla Road followed by commercial properties to the west, Panama Street followed by residences to the north, and a property owned by Teledyne Technologies Incorporated to the northeast. The Los Angeles County Office of the Assessor identifies the site as assessor's parcel numbers 4223-008-005, 4223-008-006, 4223-008-007, 4223-008-008, and 4223-008-010.

The site is developed with three adjoining buildings (12964, 12950, and 12930 Panama Street, referred to as Building 1) located on the northwestern portion of the site, two adjoining buildings (12910 and 12908 Panama Street, referred to as Buildings 3 and 6) located in the northeastern portion of the site, and two freestanding buildings (12922 and 12918 Panama Street, referred to as Building 4 and Building 2, respectively). The one-story buildings total approximately 110,888 square feet. An approximately 1,599 square-foot building (no address, referred to as Building 5) was formerly located north of Building 4 (**Figure 2**).

The site is currently vacant and was recently leased to and occupied by Teledyne Technologies Incorporated, dba Teledyne Microelectronic Technologies (Teledyne), since approximately 1957 for manufacturing, assembly, and processing of hybrid microcircuits for the semiconductor, electronics, medical, and defense industries. Teledyne began leasing portions of the site in 1957 and its leased area increased over time. By approximately 1979, Teledyne occupied the entire site.

---

[1] Owners are four LLCs: GGL-Pan, LLC; Jan-Pan, LLC; Ron-Pan, LLC; and Schaefer-Pan, LLC.

3.0 INVESTIGATION OBJECTIVES

The objectives of the soil and soil vapor investigation include:

- Evaluate potential VOC impacts in soil at select locations; and
- Further characterize of the extent of VOCs in soil vapor through installation and sampling of nested soil vapor probes (SVPs).

Field work was conducted in general accordance with the Work Plan for Soil Vapor Investigation (Work Plan; Geosyntec, 2014). The locations of the SVPs are shown on **Figure 2**.

4.0 PRE-FIELD ACTIVITIES

The following is a description of activities conducted prior to implementation of the field investigation.

4.1 Health and Safety

A Health and Safety Plan was developed in accordance with local, state, and federal regulations, tailored for the scope of field activities.

4.2 Utility Clearance

At least 48-hours prior to sampling activities, the proposed sample locations were marked and Underground Service Alert was notified. A survey of potential buried utilities in the boring locations was completed by Goldak Inc., a licensed geophysical surveying contractor.

5.0 FIELD METHODOLOGY

The following sections describe the general field methodology for drilling, soil classification/sampling, and SVP installation/sampling. Soil vapor sampling was conducted at nine locations: borings SVP-1 through SVP-5 were installed in the general vicinity of a former spill area north of Buildings 4 and 5, and borings SVP-6 through SVP-9 were installed along the northeast perimeter, two of which were installed inside Buildings 3 and 6 (**Figure 2**). At each location, a dual-nested SVP was constructed. The shallow interval was installed at 5 feet below ground surface (bgs), and depending on soil type, the deeper interval was installed between 8.5 and 10 feet bgs. The soil boring lithologic logs are presented in **Appendix A**.

All onsite activities were performed in accordance with the site-specific HASP. Field personnel and subcontractors reviewed the job health and safety measures and the contents of the health and safety plan prior to commencing fieldwork each day. Tailgate safety meetings were conducted each day prior to commencing field work.

5.1 Drilling and Soil Classification

Soil borings were advanced by hand auger and direct-push drill rig on 15 and 16 May 2014. Each boring location was advance by hand to 5 feet bgs. Soil borings advanced using a direct-push drill rig were logged from a standard macro-core continuous-core sampling system fitted with standard core barrels and dedicated/disposable (1¾-inch diameter by 4-foot long) acetate liners. Soil cuttings from borings advanced using a hand auger were retained during drilling for visual classification. Borings SVP-1, SVP-2, SVP-4, SVP-8 and SVP-9 were advanced using the direct push drill rig (after hand auguring the first 5 feet), while SVP-3, SVP-5, SVP-6 and SVP-7 were completed to total depth using the hand auger due to drill rig malfunction or drill rig access issues.

During drilling, a portion of the collected soil samples were placed into a plastic bag, visually logged, and screened for VOCs using a photoionization detector (PID), calibrated daily to 100 parts per million per volume isobutylene gas standard. The logging of soil cores and soil descriptions were conducted by a licensed California Professional Geologist in general accordance with the Unified Soil Classification System (ASTM, 1985). Recorded soil information included soil classification and name, particle size distribution, color, and moisture content. In addition, pertinent information concerning the occurrence of contamination including odor, visual impacts, and depth of the observations was recorded.

A total of ten soil samples were collected from boring SVP-1 through SVP-5 at depths of 5 and 10 feet bgs for VOC analysis. Soil samples were collected and analyzed to

characterize VOCs in soil. The samples were collected in EnCore® or TerraCore® sub-samplers in general accordance with EPA Method 5035. Samples were submitted to Calscience Environmental Laboratory, Inc. (CEL) of Garden Grove, California, under chain of custody documentation. Laboratory analytical reports for soil samples are provided in **Appendix B**.

5.2 Soil Vapor Probe Installation and Sampling

Following soil boring advancement using a hand auger or direct-push drill rig, nested SVPs were constructed in each borehole. The SVPs were constructed with a prefabricated 6-inch polyethylene screen (approximate 5/8 inch diameter) and attached to ¼ inch diameter Nylaflow® tubing. A 1-foot-thick sand filter pack consisting of No. 3 sand was placed around each screen, and a 1-foot-thick, dry-granular bentonite transition seal was placed directly above each filter pack. Between the lower dry-granular transition seal and the shallow sampling interval (5 feet bgs), granular bentonite was placed in 1-foot lifts using potable water. The same was done above the transition seal for the shallow interval. A valve was fitted to the aboveground end of the tubing. All reusable components were decontaminated between uses at each soil vapor sample location.

Soil gas probe measurement forms are provided as **Appendix C**. Sampling was performed in general accordance with the Advisory - Active Soil Gas Investigations (the Advisory; DTSC/LARWQCB, 2012). Consistent with the Advisory, SVP sampling occurred on 18 and 19 May 2014, at least 48 hours after SVPs were installed to allow for equilibration of subsurface conditions.

The methodology for purging and soil vapor sample collection was as follows:

- The static vacuum or pressure in the SVP was measured and recorded.
- A “shut-in” test was performed with all valves closed and a vacuum was applied and monitored to verify that all couplings and fittings in the sampling train were free of leaks.

- A purge volume test was conducted at SVP-1-5 and consisted of purging one, three, and ten purge volumes and screening the resulting sample with a PID. Casing volumes were calculated by summing the volume of the well tubing and the volume of the sand pack and bentonite seal; accounting for 30% porosity in annular materials. Purging was conducted at approximately 0.2 liters per minute (L/min) and the applied wellhead vacuum did not exceed 3.0 inches of water (in H_2O) during purging. Samples of the purged vapor were collected into a 1-liter (1-L) Tedlar™ bag for screening of VOCs using a PID, fixed gases (methane, oxygen and carbon dioxide) using a Landtec GEM 2000 landfill gas meter, and for helium using a Dielectric MGD2002 helium detector. The results of the purge test indicated that the highest concentration of VOCs on the PID was detected in the sample collected after purging one purge volume. Therefore, all subsequent soil vapor probes were purged one purge volume prior to sampling.

- Tracer leak testing using helium was conducted during purging and sampling. Once confirmed that helium was not entering into the SVP or sampling train, the ball valve located at the top of the SVP was then switched from the purging sampling train to the canister, which was connected to a laboratory supplied flow regulator set at approximately 150 to 200 milliliters per minute (mL/min) of flow. Soil vapor sample were collected into a 1-L Summa canister provided by CEL.

- Vapor samples were collected in 1-L batch-certified Summa canisters fitted with a flow controller provided by CEL. The flow controllers were laboratory-calibrated for a fill rate of approximately 0.2 L/min. To check that the integrity of the sample was not compromised during shipment to the laboratory, a residual vacuum was left in the canisters following sample collection, and the residual vacuum was recorded on the field form and again by the laboratory at the time of sample receipt. Soil vapor samples were submitted to CEL under standard chain-of-custody protocol and analyzed for VOCs by USEPA Method TO-15. Laboratory analytical reports for soil vapor samples are included as **Appendix D**.

5.3 Investigation Derived Waste (IDW) Handling

Used personal protective equipment (PPE) and disposable equipment was double bagged and placed in a municipal refuse dumpster. These wastes are not considered hazardous and were sent to a municipal landfill. Any PPE and disposable equipment that could potentially be reused was rendered inoperable before disposal in the refuse dumpster. Soil cuttings were placed in Department of Transportation (DOT)-approved drums and stored on-site pending waste characterization.

One composite soil sample was collected from the soil drum for waste profiling purposes and analyzed for total petroleum hydrocarbons as gasoline (TPHg) and diesel (TPHd) using modified EPA Method 8015B, VOCs using EPA Method 8260B and Title 22 metals using EPA methods 6010B and 7471A by CEL. The results from the waste profile sample were reviewed by Belshire Inc., a licensed waste transporter, and were accepted as non-hazardous waste soil. The soil drum was removed from the site on 16 May 2014 by Belshire Inc. and transported to Soil Safe in Adelanto, California under a non-hazardous waste transport manifest. A copy of the laboratory analytical report and waste manifest are provided in **Appendix E**.

5.4 Quality Assurance/Quality Control

Data quality is measured by the ability of the collected data to meet specific quantitative and qualitative objectives. Data quality indicators that are quantitative include precision, accuracy, sensitivity, and completeness. Qualitative data quality indicators include representativeness and comparability. The quality assurance/quality control (QA/QC) procedures for this project dictate that the data meet minimum requirements for precision, accuracy, completeness, sensitivity, representativeness, and comparability.

The following QA/QC procedures were followed during sampling and analysis:

- Duplicate soil vapor samples were collected and analyzed at an approximate rate of 10% of the primary samples. Two duplicate soil vapor samples were collected.

- Samples were transferred under chain-of-custody control and subject to the laboratory's conventional QC analytical procedures, including method blank and laboratory control sample/ laboratory control sample duplicate.

A summary of the QA/QC and data validation results is presented in Section 6.4.

6.0 RESULTS

The following sections summarize the investigation results including soil classification, soil sample results, and soil vapor sample analytical results.

6.1 Soil Classification

The ground surface was asphalt at the outdoor boring locations and concrete in the indoor boring locations (SVP-6 and SVP-7). In general, the lithology encountered consisted of dark grayish brown, moderate plasticity, fine sandy clay from ground surface to between 3.5 to 6 feet bgs. Underlying the clay, a dark brown, fine to medium grained silty sand was found to a depth of approximately 8 feet bgs, which was underlain by a dark brown, very fine to fine, loose, poorly graded sand to the total depth (10.5 feet bgs).

Organic vapor measurements collected from soil samples screened using a PID ranged from 0 to 1.2 parts per million by volume (ppmv). The boring with the highest organic vapor measurement was boring SVP-1 at approximately 5 feet bgs (**Appendix A**).

6.2 Soil Sample Analytical Results

A total of 10 soil samples were analyzed for VOCs (**Table 1**). The soil sample laboratory analytical reports are presented in **Appendix B**. Cis-1,2-dichloroethene (c-1,2-DCE) was the only detected VOC, detected in 5 of the 10 soil samples collected. The detected c-1,2-DCE concentrations of ranged from 0.0013 micrograms per kilogram (µg/kg) to 0.0046 µg/kg. The boring with the highest c-1,2-DCE concentration was SVP-5 with the maximum detected concentration (0.0046 µg/kg) found in the sample collected at 5 feet bgs.

6.3 Soil Vapor Analytical Results

A total of 20 soil vapor samples (18 primary and 2 duplicates) were analyzed for VOCs. A total of 28 VOCs were detected above the laboratory minimum reporting limit in the soil vapor samples collected. The detected soil vapor sample analytical results are provided in **Table 2.** Concentrations of select VOCs are also presented on **Figure 3**. The soil vapor sample laboratory analytical reports are included in **Appendix D.** The following exhibit presents a summary of the detected VOCs in soil samples:

Exhibit 1. Summary of Detected Compounds in Soil Vapor Samples

Compound	Number of Detections	Minimum Detection ($\mu g/m^3$)	Maximum Detection ($\mu g/m^3$)	Location/Depth of Maximum Detection
Tetrachloroethene	15	6.3	220	SVP-7 at 5 feet bgs
Trichloroethene	16	6.1	290	SVP-4 at 10 feet bgs
Cis-1,2-dichloroethene	13	2.4	7,800	SVP-4 at 5 feet bgs
Trans-1,2-dichloroethene	11	2.0	140	SVP-5 at 10 feet bgs
Vinyl Chloride	12	2.3	860	SVP-5 at 10 feet bgs
Benzene	19	2.2	91	SVP-8 at 9 feet bgs
Toluene	19	3.5	230	SVP-8 at 9 feet bgs
Ethylbenzene	16	2.3	150	SVP-8 at 9 feet bgs
o-Xylene	17	2.2	260	SVP-2 at 8.5 feet bgs
p/m-Xylene	16	10	600	SVP-2 at 8.5 feet bgs
1,1,1-trichloroethane	6	5.2	44	SVP-7 at 5 feet bgs
1,1-dichloroethane	12	3.1	600	SVP-4 at 10 feet bgs
1,1-dichloroethene	11	2.2	120	SVP-4 at 5 feet bgs
1,2,4-trimethylbenzene	15	8.5	190	SVP-1 at 5 feet bgs
1,3,5-trimethylbenzene	15	2.8	65	SVP-8 at 9 feet bgs
2-butanone	11	5.0	24	SVP-1 at 8.5 feet bgs
4-ethyltoluene	15	2.9	65	SVP-8 at 9 feet bgs
Acetone	14	9.1	110	SVP-1 at 8.5 feet bgs
Bromodichloromethane	3	3.6	6.7	SVP-2 at 5 feet bgs
Carbon disulfide	13	9.2	200	SVP-3 at 10 feet bgs
Carbon tetrachloride	2	3.6	21	SVP-9 at 10 feet bgs
Chlorobenzene	6	3.2	6.2	SVP-2 at 5 feet bgs
Chloroethane	3	2	3.3	SVP-5 at 10 feet bgs
Chloroform	9	4.2	13	SVP-2 at 5 feet bgs
Chloromethane	9	1.1	3.1	SVP-3 at 10 feet bgs
Freon 12	12	2.5	540	SVP-4 at 10 feet bgs
Freon 113	13	18	360	SVP-8 at 9 feet bgs
Methyl tertiary butyl ether	4	8.0	91	SVP-1 at 5 feet bgs

Notes:

$\mu g/m^3$ – micrograms per cubic meter

feet bgs – feet below ground surface

6.4 Data QA/QC Results Summary

Data quality control was performed to ensure that data quality objectives for this project were met. The data for the field QC samples discussed above were reviewed along with laboratory QC results. The Data Quality Control Review forms are presented in **Appendix F**.

The data were reviewed using EPA Guidance on Environmental Data Verification and Data Validation (EPA QA-G8, November 2002) and in general conformance with the USEPA Contract Laboratory Program National Functional Guidelines (USEPA-540-R-08-01).

Data from the analyses were evaluated in the following areas based on criteria for both field and laboratory QC samples, as applicable to each analysis:

- Data completeness;
- Holding times and preservation;
- Blanks (including trip blanks, equipment blanks, and method blanks);
- Laboratory control spikes/laboratory control spike duplicates (LCS/LCSD);
- Field duplicates; and
- Electronic deliverables review.

The laboratory QC sample results indicate appropriate sample preparation and analysis, and the results of the field QC samples indicate appropriate sample collection, shipping, and handling procedures. The samples were analyzed as requested and holding times were met. Results from sample SVP-4-5-051514 and its associated field duplicate were J-qualified as estimated due to relative percent difference (RPD) results greater than project limits of 30%. Overall, the data reported were reviewed and the results of the data quality evaluation indicate that the analytical results are valid and usable. Qualified data can be used for decision-making purposes and are considered 100 percent complete; however, the limitations identified by the data qualifiers should be considered when using the data.

7.0 DATA EVALUATION

The soil and soil vapor sample analytical results were compared to screening levels (SLs) derived to evaluate the potential human health risks associated with the various VOCs in the subsurface. Screening levels are calculated based on an assumed commercial/industrial or residential land use scenario and an estimated exposure duration and exposure pathway, for either a worker or a resident. For soil, SLs for the protection of groundwater were also compared to the analytical results. The SLs for each detected VOC are displayed on **Tables 1 and 2** along with sample results.

7.1 Soil

The soil SLs used for c-1,2-DCE are based on direct contact and derived using default parameters, an oral reference dose of 0.002 milligrams per kilogram per day (mg/kg-d; USEPA, 2014) and an inhalation reference concentration of 0.007 mg/m^3 (DTSC, 2013 and CRWQCB, 2013).

The detected c-1,2-DCE concentrations in the soil samples did not exceed the SLs for either a commercial/industrial or residential land use scenario. Further, c-1,2-DCE was not detected at concentrations above SLs for the protection of groundwater.

7.2 Soil Vapor

The soil vapor SLs are derived based on risk-based indoor air concentrations for residents and workers (assuming an 8-hour exposure day), divided by default current (without engineered fill) and future (with engineered fill) attenuation factors (DTSC, 2011). Risk-based indoor air concentrations are based on published screening values (DTSC, 2013, SFRWQCB, 2013, and USEPA, 2013). The default soil vapor to indoor air attenuation factors are: 1) current - 0.002 and 0.001 for residential and commercial/industrial use, respectively; and 2) future - 0.001 and 0.0005 for residential and commercial/industrial use, respectively.

When comparing to SLs (**Table 2**), the following results exceed criteria:

- Benzene was detected above both current and future residential screening levels at only one location: SVP-8-9, located on the eastern boundary. Commercial/industrial screening levels for benzene were not exceeded.

- c-1,2-DCE was detected above both current and future residential screening levels in the spill area in the following samples (commercial/industrial screening levels were not exceeded):

- SVP-4-5 (dup)
- SVP-5-5
- SVP-4-10
- SVP-5-10 (dup)
- SVP-5-10

- PCE was detected above the current residential screening level (but not future residential or commercial/industrial) in only one sample SVP-7-5, located within Building 3 and 6 along the eastern property boundary.

- Vinyl chloride was detected above all relevant screening levels (both residential and commercial/industrial; current and future scenarios) in the following samples:

    - SVP-1-5
    - SVP-1-8.5
    - SVP-3-5
    - SVP-3-10
    - SVP-4-5 (dup)
    - SVP-4-5
    - SVP-4-10
    - SVP-5-5
    - SVP-5-10
    - SVP-5-10 (dup)

8.0 REFERENCES

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Geosyntec Consultants, 2014. Work Plan for Soil Vapor Investigation, 12922 Panama Street, Los Angeles, California. 5 May.

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USEPA, 2014. Integrated Risk Information System (IRIS), online database.

TABLES

TABLE 1

SOIL SAMPLE RESULTS FOR c-1,2-DCE [1]

Panama Street Site
12922 Panama Street
Los Angeles, California

Concentrations in milligrams per kilogram (mg/kg)

Sample ID	Sample Date	Sample Depth (ft bgs)	c-1,2-DCE
SVP-1-5	5/12/2014	5	<0.0009
SVP-1-10	5/12/2014	10	<0.00081
SVP-2-5	5/12/2014	5	<0.00086
SVP-2-10	5/12/2014	10	<0.00081
SVP-3-5	5/13/2014	5	<0.00088
SVP-3-10	5/13/2014	10	0.0013
SVP-4-5	5/13/2014	5	0.0019
SVP-4-10	5/13/2014	10	0.0044
SVP-5-5	5/13/2014	5	0.0046
SVP-5-10	5/13/2014	10	0.0039
Protection of Groundwater SL (5 ft bgs) [2]			0.035
Protection of Groundwater SL (10 ft bgs) [2]			0.024
Residential - Direct Contact SL [3]			18
Commercial/Industrial - Direct Contact SL [3]			84

Abbreviations:

c-1,2-DCE = cis-1,2-Dichloroethene

ft bgs = feet below ground surface

SL = Screening Level

" < " indicates non-detect above laboratory reporting limit shown

Notes:

1. All samples analyzed by EPA method 8260B. Only c-1,2-DCE detected. Refer to analytical laboratory report for a full list of volatile organic compounds analyzed.
2. Attenuation Factor Method for Volatile Organic Compounds (VOCs), described in the California Regional Water Quality Control Board, Los Angeles Region (LARWQCB) May 1996 Interim Site Assessment and Cleanup Guidebook (Guidebook) and a California Drinking Water MCL of 6 µg/L.
3. Screening levels based on direct contact and derived using default parameters, an oral reference dose of 0.002 (mg/kg-d) (USEPA IRIS) and an inhalation reference concentration of 0.007 mg/m^3 (DTSC HERD Note #3); SF RWQCB ESLs, December 2013.

TABLE 2
SOIL VAPOR RESULTS FOR DETECTED COMPOUNDS
Panama Street Site
12922 Panama Street
Los Angeles, California

Concentrations in µg/m^3

Location ID	Sample Date	Sample Depth (ft bgs)	PCE	TCE	c-1,2-DCE	t-1,2-DCE	VC	Benzene	Toluene	Ethylbenzene	o-Xylene	p/m-Xylene	1,1,1-TCA	1,1-DCA
Spill Area														
SVP-1	5/15/2014	5	<17	24	1,700	73	**100**	18	25	24	43	120	<14	25
SVP-1	5/15/2014	8.5	7.8	32	1,600	65	**86**	35	48	32	40	130	<2.7	22
SVP-2	5/15/2014	5	8.8	55	120	2.0	5.7	46	97	34	53	140	<2.7	7.7
SVP-2	5/15/2014	8.5	6.9	75	49	<2.0	2.3	9.8	63	40	260	600	<2.7	3.1
SVP-3	5/15/2014	5	8.2	33	2,200	52	**180**	50	77	14	20	53	<2.7	120
SVP-3	5/15/2014	10	6.3	31	1,300	33	**170**	69	220	42	55	160	<2.7	69
SVP-4	5/15/2014	5	<3.4UJ/<34UJ	6.1J/120J	340J/**7,800J**	5.4J/99J	**36J/710J**	4.5 J/51 J	7.9J/45J	<2.2UJ/<22UJ	<2.2UJ/<22UJ	<8.7UJ/<87UJ	<2.7UJ/<27UJ	22J/440J
SVP-4	5/15/2014	10	46	290	6,100	130	**780**	80	220	41	40	140	<27	600
SVP-5	5/15/2014	5	<140	270	6,900	120	**690**	<64	<75	<87	<87	<350	<110	580
SVP-5	5/16/2014	10	24/24	220/210	4,200/4,400	130/140	**860/830**	77/81	74/77	14/29	19/19	53/53	<2.7/<27	590/590
Eastern Boundary														
SVP-6	5/16/2014	5	8.9	<2.7	<2.0	<2.0	<1.3	14	56	14	13	46	5.2	<2.0
SVP-6	5/16/2014	10	<3.4	<2.7	<2.0	<2.0	<1.3	5.8	12	<2.2	2.2	<8.7	<2.7	<2.0
SVP-7	5/16/2014	5	220	<2.7	<2.0	<2.0	<1.3	13	44	12	17	49	44	<2.0
SVP-7	5/16/2014	10	92	<2.7	<2.0	<2.0	<1.3	74	200	41	39	140	29	<2.0
SVP-8	5/16/2014	5	31	8.3	<2.0	<2.0	<1.3	9.2	37	21	25	73	<2.7	<2.0
SVP-8	5/16/2014	9	120	46	<2.0	<2.0	<1.3	**91**	230	150	150	440	5.7	<2.0
SVP-9	5/16/2014	5	6.7	7.2	<2.0	<2.0	<1.3	2.2	3.5	2.3	4.4	10	12	<2.0
SVP-9	5/16/2014	10	47	210	2.4	<2.0	<1.3	4.5	5.6	5.4	15	30	27	<2.0
Current Resident SL			210	300	3,650	31,500	16	42	155,000	485	50,000	50,000	520,000	750
Future Resident SL			410	590	7,300	63,000	31	84	310,000	970	100,000	100,000	1,040,000	1,500
Current Worker SL			2,100	3,000	31,000	260,000	160	420	1,300,000	4,900	440,000	440,000	4,400,000	7,700
Future Worker SL			4,200	6,000	62,000	520,000	320	840	2,600,000	9,800	880,000	880,000	8,800,000	15,400

TABLE 2
SOIL VAPOR RESULTS FOR DETECTED COMPOUNDS
Panama Street Site
12922 Panama Street
Los Angeles, California

Concentrations in µg/m^3

Location ID	Sample Date	Sample Depth (ft bgs)	1,1-DCE	1,2,4-TMB	1,3,5-TMB	2-Butanone	4-Ethyltoluene	Acetone	Bromodichloromethane	Carbon Disulfide	Carbon Tetrachloride	Chlorobenzene	Chloroethane
Spill Area													
SVP-1	5/15/2014	5	11	190	60	<22	53	100	<17	53	<16	<12	<6.6
SVP-1	5/15/2014	8.5	11	79	31	24	32	110	<3.4	57	<3.1	6.0	<1.3
SVP-2	5/15/2014	5	2.2	13	4.1	7.5	3.8	45	6.7	35	<3.1	6.2	<1.3
SVP-2	5/15/2014	8.5	<2.0	8.5	2.8	5.0	2.9	27	<3.4	23	<3.1	<2.3	<1.3
SVP-3	5/15/2014	5	23	15	4.5	15	4.3	<4.8	<3.4	95	<3.1	5.9	2.0
SVP-3	5/15/2014	10	14	20	7.5	5.9	8.0	36	<3.4	200	3.6	3.2	<1.3
SVP-4	5/15/2014	5	4.5J/120J	<7.4UJ/<74UJ	<2.5UJ/<25UJ	<4.4UJ/<44UJ	<2.5UJ/<25UJ	39J/52J	<3.4UJ/<34UJ	<6.2UJ/<62UJ	<3.1UJ/<31UJ	<2.3UJ/<23UJ	<1.3UJ/<13UJ
SVP-4	5/15/2014	10	95	<74	<25	<44	<25	<48	<34	<62	<31	<23	<13
SVP-5	5/15/2014	5	81	<290	<98	<180	<98	<190	<130	<250	<130	<92	<53
SVP-5	5/16/2014	10	110/110	16/16	4.6/4.6	8.2/6.8	4.1/4.3	<4.8/<4.8	<3.4/<3.4	160/160	<3.1/<3.1	3.3/3.3	3.1/3.3
Eastern Boundary													
SVP-6	5/16/2014	5	<2.0	10	3.4	<4.4	3.0	11	3.6	10	<3.1	<2.3	<1.3
SVP-6	5/16/2014	10	<2.0	<7.4	<2.5	<4.4	<2.5	9.1	<3.4	<6.2	<3.1	<2.3	<1.3
SVP-7	5/16/2014	5	<2.0	19	6.0	5.9	5.0	22	4.7	13	<3.1	<2.3	<1.3
SVP-7	5/16/2014	10	<2.0	26	11	8.7	11	<4.8	<3.4	52	<3.1	<2.3	<1.3
SVP-8	5/16/2014	5	<2.0	27	11	<4.4	11	30	<3.4	9.2	<3.1	<2.3	<1.3
SVP-8	5/16/2014	9	<2.0	120	65	7.6	65	24	<3.4	55	<3.1	<2.3	<1.3
SVP-9	5/16/2014	5	<2.0	20	5.4	<4.4	4.1	13	<3.4	<6.2	<3.1	<2.3	<1.3
SVP-9	5/16/2014	10	<2.0	74	22	6.8	11	43	<3.4	<6.2	21	<2.3	<1.3
Current Resident SL			36,500	3,650	3,650	2,600,000	155,000	16,000,000	33	365,000	29	26,000	5,000,000
Future Resident SL			73,000	7,300	7,300	5,200,000	310,000	32,000,000	66	730,000	58	52,000	10,000,000
Current Worker SL			310,000	31,000	31,000	22,000,000	1,300,000	140,000,000	330	3,100,000	290	220,000	44,000,000
Future Worker SL			620,000	62,000	62,000	44,000,000	2,600,000	280,000,000	660	6,200,000	580	440,000	88,000,000

TABLE 2
SOIL VAPOR RESULTS FOR DETECTED COMPOUNDS
Panama Street Site
12922 Panama Street
Los Angeles, California

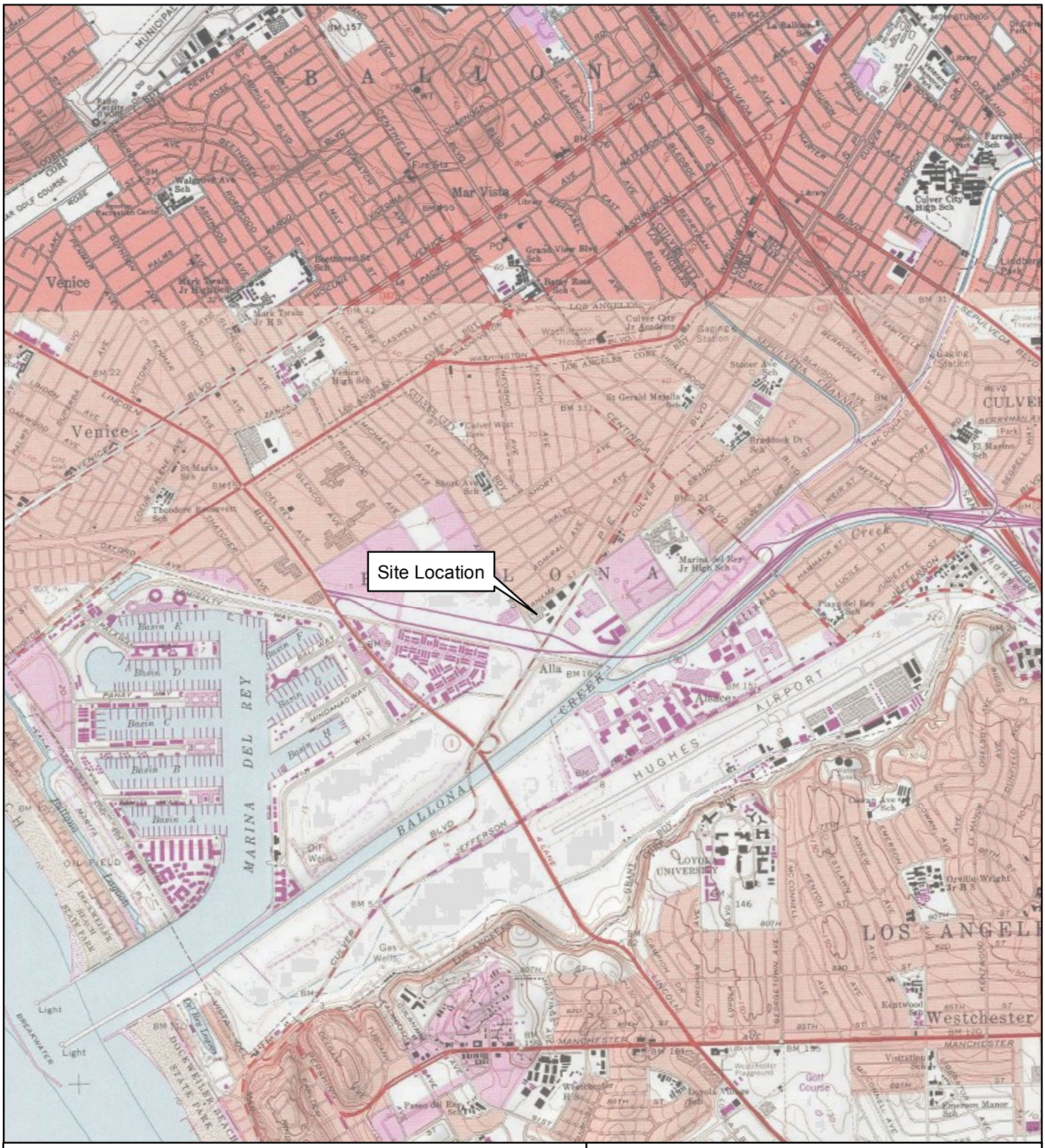
Concentrations in µg/m^3

Location ID	Sample Date	Sample Depth (ft bgs)	Chloroform	Chloromethane	Freon 12	Freon 113	MTBE
Spill Area							
SVP-1	5/15/2014	5	<12	<5.2	210	<57	91
SVP-1	5/15/2014	8.5	<2.4	1.1	97	33	78
SVP-2	5/15/2014	5	13	<1.0	56	260	16
SVP-2	5/15/2014	8.5	<2.4	1.1	39	220	8.0
SVP-3	5/15/2014	5	6.7	<1.0	130	51	<7.2
SVP-3	5/15/2014	10	8.6	3.1	110	27	<7.2
SVP-4	5/15/2014	5	<2.4UJ/<24UJ	1.6J/<10JU	3.4J/<25UJ	<11UJ/<110UJ	<7.2UJ/<72UJ
SVP-4	5/15/2014	10	<24	<10	540	<110	<72
SVP-5	5/15/2014	5	<98	<41	<99	<460	<290
SVP-5	5/16/2014	10	6.5/6.4	2.6/2.0	<2.5/<2.5	120/120	<7.2/<7.2
Eastern Boundary							
SVP-6	5/16/2014	5	4.2	<1.0	2.6	18	<7.2
SVP-6	5/16/2014	10	<2.4	2.1	2.6	<11	<7.2
SVP-7	5/16/2014	5	6.1	<1.0	<2.5	80	<7.2
SVP-7	5/16/2014	10	4.3	<1.0	<2.5	77	<7.2
SVP-8	5/16/2014	5	<2.4	1.4	<2.5	83	<7.2
SVP-8	5/16/2014	9	9.5	<1.0	<2.5	360	<7.2
SVP-9	5/16/2014	5	<2.4	1.4	2.5	<11	<7.2
SVP-9	5/16/2014	10	<2.4	<1.0	10	31	<7.2
Current Resident SL			55	47,000	50,000	15,500,000	4,700
Future Resident SL			110	94,000	100,000	31,000,000	9,400
Current Worker SL			530	390,000	440,000	130,000,000	47,000
Future Worker SL			1,060	780,000	880,000	260,000,000	94,000

Abbreviations:
1,1,1-TCA = 1,1,1-Trichloroethane
1,1- DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
1,2,4-TMB = 1,2,4-Trimethylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
c-1,2-DCE = cis-1,2-Dichloroethene
t-1,2-DCE = trans-1,2-Dichloroethene
Freon 12 = Dichlorodifluoromethane
Freon 113 = 1,1,2-Trichloro-1,2,2-Trifluoroethane
MTBE = Methyl tert-butyl ether
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride
ft bgs = feet below ground surface
SL = Screening Level
Õg/m^3 = micrograms per cubic meter
" < " indicates non-detect above shown laboratory reporting limit
" / " indicates original / duplicate result
J = Qualified as estimates due to variability observed in the analytical precision between the primary and duplicate sample.
UJ = Qualified as non-detect estimates due to variability observed in the analytical precision between the primary and duplicate sample.

Notes:
1. **Bold** value indicates detection above Future Resident SL.
2. All samples analyzed by EPA method TO-15.
3. Soil vapor SLs are derived based on risk-based indoor air concentrations for residents and workers (assuming an 8-hour exposure day), divided by default current (without engineered fill) and future (with engineered fill) attenuation factors (DTSC, 2011).
4. Risk-based indoor air concentrations are based on DTSC HHRA Note Number 3 (May 2013) and U.S. EPA Regional Screening Levels (November 2013).
5. Default soil vapor to indoor air attenuation factors are: 1) current - 0.002 and 0.001 for residential and commercial/industrial use, respectively; and 2) future - 0.001 and 0.0005 for residential and commercial/industrial use, respectively.

FIGURES



Map Source:
Copyright:© 2013 National Geographic Society, i-cubed

Panama Street Site
12922 Panama Street
Los Angeles, California 90066

Geosyntec consultants

Oakland | June 2014

Figure 1

P:\PRJ2003REM\Panama Street - Confidential\Work in Progress\Soil gas sampling\GIS\MXD\Fig01_SiteLocationMap.mxd



Legend

- Soil Vapor Sampling Location - Eastern Boundary, 5 and 10 feet bgs
- Soil Vapor Sampling Location - Spill Area, 5 and 10 feet bgs

Imagery provided by ESRI, 2014.

N

0 160 Feet

Soil Vapor Sampling Locations

Panama Street Site
12922 Panama Street
Los Angeles, California 90066

Geosyntec consultants

Oakland | June 2014

Figure **2**

P:\PRJ2003REM\Panama Street - Confidential\Work in Progress\Soil gas sampling\GIS\MXD\Fig02_SV_Locations.mxd



- Soil Vapor Sampling Location - Eastern Boundary
- Soil Vapor Sampling Location - Spill Area

SVP-1-5 - Sample ID-Depth
1.7 - Maximum concentration of VOC Chemical of Concern
(c-1,2-DCE) - Maximum detected VOC

Notes:
Samples collected on 15 and 16 May 2014 and analyzed by EPA method TO-15.
Soil vapor sample collected between 5 and 10 feet bgs in µg/L.
J = Qualified as estimates due to variability observed in the analytical precision between the primary and duplicate sample.
* Duplicate result shown.

Legend

- Building Outline
- Approximate Outline of Site
- Center Line
- 12964 Address Number on Panama Street
- Ⓔ Approximate Location of Utility Shut-off (Electrical)
- Ⓖ Approximate Location of Utility Shut-off (Gas)
- ▼ Approximate Location of Access Point
- Soil Vapor Boring Location
- Soil/Soil Vapor Boring Location

6,400 (PCE) Maximum concentrations of VOC Chemicals of Concern detected in soil vapor samples collected between 4 and 10 feet bgs and presented in ug/L. Maximum detected VOC is identified in parentheses.

Estimated isoconcentration contour for VOCs detected in Soil Vapor between 4 and 10 feet bgs.

bgs below ground surface
ug/L micrograms per liter
VOC Volatile Organic Compound
PCE Tetrachloroethylene
TCE Trichloroethylene
c-1,2-DCE cis-1,2-Dichloroethene
t-1,2-DCE trans-1,2-Dichloroethene
ND VOCs not detected above the laboratory reporting limits
NF No sample collected due to no flow sample conditions and have not been used for interpretation purposes.

NOTES:
All VOC results by EPA Method 8260B.
Modified from Figure 7, Max VOCs in Soil Vapor, Draft Site Assessment Report, Alta Environmental, 30 October 2013.

Imagery provided by ESRI, 2014.

Soil Vapor Sample Results

Panama Street Site
12922 Panama Street
Los Angeles, California 90066

Geosyntec consultants

Oakland | June 2014

Figure 3

P:\PRJ2003REM\Panama Street - Confidential\Work in Progress\Soil gas sampling\GIS\MXD\Fig03_SV_Results.mxd

APPENDIX A

Soil Boring Logs

Geosyntec consultants
1111 Broadway, 6th Fl
Oakland, CA 94607
Phone: (510) 836-3034
Fax: (510) 836-3036

GS FORM: WELLBORE_OAKLAND

BOREHOLE LOG

BORING SVP-1 **SHEET** 1 **OF** 1
START DATE 5/12/2014 **ELEVATION DATA**
FINISH DATE 5/12/2014 **GROUND SURFACE** ft msl
LOCATION Marina del Rey **DATUM**
PROJECT Panama street **TOTAL DEPTH** 10.5 ft bgs
PROJECT NUMBER WR1806 **DEPTH TO WATER** 9 ft bgs

DEPTH (ft)	MATERIAL DESCRIPTION	STRUCTURE/ GROUNDWATER	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOW COUNTS	SAMPLES RECOVERY (%)	SAMPLES PID READING (ppm)	SAMPLES TIME	COMMENTS
	Asphalt	0 - 3.5 ft bgs: Bentonite - medium chips							Hand-auger to 5 ft depth. Lithology logged from cuttings.
	Sandy lean CLAY (CL): dark grayish brown; moist; fine to medium sand [0% gravel, 30% sand, 70% fines]; low plasticity; slight staining; no odor	3.5 - 4.5 ft bgs: Dry Granular Bentonite #8							
5		4.5 - 5.5 ft bgs: Sand Pack - Lapis Lustre #3					1.1	10:47	SVP-1-5-051214 Direct-Push to 10.5 ft bgs.
	Silty SAND (SM): dark grayish brown; fine sand [0, 70, 30]; non-plastic; NHCO/S	5.5 - 7 ft bgs: Bentonite - medium chips							
		7 - 8 ft bgs: Dry Granular Bentonite #8							
	@ 8' increasing in sand [0, 80, 20]	8 - 9 ft bgs: Sand Pack - Lapis Lustre #3				100			
		9 - 10.5 ft bgs: Slough							Groundwater encountered at 9 ft bgs.
10	BOREHOLE TERMINATED. Total depth = 10.5 ft bgs						0.7	11:05	SVP-1-10-051214
15									
20									
25									
30									

CONTRACTOR
EQUIPMENT WARTHOG M1.5T
DRILL MTHD Direct Push
DIAMETER 2.75"
LOGGER R. Smith **REVIEWER** K. Coffman

NORTHING
EASTING
ANGLE Vertical

REMARKS NHCO/S = No Hydrocarbon Odor or Staining

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELLBORE_OAKLAND PANAMA STREET.GPJ GEOSNTEC.GDT 6/11/14

Geosyntec consultants
1111 Broadway, 6th Fl
Oakland, CA 94607
Phone: (510) 836-3034
Fax: (510) 836-3036

GS FORM: WELLBORE_OAKLAND

BOREHOLE LOG

BORING SVP-2 **SHEET** 1 **OF** 1
START DATE 5/12/2014 **ELEVATION DATA**
FINISH DATE 5/12/2014 **GROUND SURFACE** ft msl
LOCATION Marina del Rey **DATUM**
PROJECT Panama street **TOTAL DEPTH** 10.5 ft bgs
PROJECT NUMBER WR1806 **DEPTH TO WATER** 9 ft bgs

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOW COUNTS	SAMPLES RECOVERY (%)	SAMPLES PID READING (ppm)	SAMPLES TIME	COMMENTS
	Asphalt			0 - 3.5 ft bgs: Bentonite - medium chips								Hand auger to 5 ft bgs. Lithology logged from cuttings.
	Lean CLAY with sand (CL): very dark grayish brown; moist; fine sand; medium plasticity; slight staining and odor											
	Silty SAND (SM): dark brown; moist; fine to medium sand; NHCO/s			3.5 - 4.5 ft bgs: Dry Granular Bentonite #8								
5				4.5 - 5.5 ft bgs: Sand Pack - Lapis Lustre #3						1.2	10:50	SVP-2-5-051214 Direct Push to 10.5 ft bgs
				5.5 - 7 ft bgs: Bentonite - medium chips								
				7 - 8 ft bgs: Dry Granular Bentonite #8					100			
	Poorly graded SAND (SP): dark brown; moist; fine sand; NHCO/s			8 - 9 ft bgs: Sand Pack - Lapis Lustre #3 ▼								Groundwater encountered at 9 ft bgs.
10				9 - 10.5 ft bgs: Slough						0.3	11:15	SVP-2-10-051214
	BOREHOLE TERMINATED. Total depth = 10.5 ft bgs											
15												
20												
25												
30												

CONTRACTOR Gregg Drilling
EQUIPMENT WARTHOG M1.5T
DRILL MTHD Direct Push
DIAMETER 2.75"
LOGGER R. Smith **REVIEWER** K. Coffman
NORTHING
EASTING
ANGLE Vertical

REMARKS NHCO/S = No Hydrocarbon Odor or Staining

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELLBORE_OAKLAND PANAMA STREET.GPJ GEOSNTEC.GDT 6/11/14

Geosyntec consultants
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Oakland, CA 94607
Phone: (510) 836-3034
Fax: (510) 836-3036

GS FORM: WELLBORE_OAKLAND

BOREHOLE LOG

BORING SVP-3 **SHEET** 1 **OF** 1
START DATE 5/13/2014 **ELEVATION DATA**
FINISH DATE 5/13/2014 **GROUND SURFACE** ft msl
LOCATION Marina del Rey **DATUM**
PROJECT Panama street **TOTAL DEPTH** 10.5 ft bgs
PROJECT NUMBER WR1806 **DEPTH TO WATER** ft bgs

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOW COUNTS	SAMPLES RECOVERY (%)	SAMPLES PID READING (ppm)	SAMPLES TIME	COMMENTS
0	Asphalt			0 - 3.5 ft bgs: Bentonite - medium chips								Hand auger to 10.5 ft bgs. Lithology logged from cuttings.
	Lean CLAY (CL): dark grayish brown; moist; trace fine sand [0, tr ,90]; medium plasticity; NHCO/S											
				3.5 - 4.5 ft bgs: Dry Granular Bentonite #8								
5				4.5 - 5.5 ft bgs: Sand Pack - Lapis Lustre #3						0.5	9:30	SVP-3-5-051314
	Silty SAND (SM): dark grayish brown; moist; fine to medium sand [0, 70, 30]; non-plastic; NHCO/S			5.5 - 8.5 ft bgs: Bentonite - medium chips								
	Poorly graded SAND with silt (SP-SM): dark brown; moist; fine sand [0, 90, 10]; non-plastic; NHCO/S			8.5 - 9.5 ft bgs: Dry Granular Bentonite #8								
10	BOREHOLE TERMINATED. Total depth = 10.5 ft bgs			9.5 to 10.5 ft bgs: Sand Pack - Lapis Lustre #3						0.0	10:05	SVP-3-10-051314
15												
20												
25												
30												

CONTRACTOR Gregg Drilling **NORTHING**
EQUIPMENT **EASTING**
DRILL MTHD Hand Auger **ANGLE** Vertical
DIAMETER 3"
LOGGER R. Smith **REVIEWER** K. Coffman

REMARKS NHCO/S = No Hydrocarbon Odor or Staining

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELLBORE_OAKLAND PANAMA STREET.GPJ GEOSNTEC.GDT 6/11/14

Geosyntec consultants
1111 Broadway, 6th Fl
Oakland, CA 94607
Phone: (510) 836-3034
Fax: (510) 836-3036

GS FORM: WELLBORE_OAKLAND

BOREHOLE LOG

BORING SVP-4 **SHEET** 1 **OF** 1
START DATE 5/13/2014 **ELEVATION DATA**
FINISH DATE 5/13/2014 **GROUND SURFACE** ft msl
LOCATION Marina del Rey **DATUM**
PROJECT Panama street **TOTAL DEPTH** 10.5 ft bgs
PROJECT NUMBER WR1806 **DEPTH TO WATER** ft bgs

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOW COUNTS	SAMPLES RECOVERY (%)	SAMPLES PID READING (ppm)	SAMPLES TIME	COMMENTS
0	Asphalt			0 - 3.5 ft bgs: Bentonite - medium chips								Hand auger to 5 ft bgs. Lithology logged from cuttings.
	Lean CLAY (CL): dark grayish brown; moist; trace fine sand; medium plasticity											
	Sandy lean CLAY (CL): dark grayish brown; fine to medium sand, clay [0, 30 ,70]; medium plasticity			3.5 - 4.5 ft bgs: Dry Granular Bentonite #8								
5				4.5 - 5.5 ft bgs: Sand Pack - Lapis Lustre #3						0.5	8:40	SVP-4-5-051314
	Silty SAND with gravel (SM): dark brown; moist; fine gravel; fine to medium sand [20, 50, 30]; non-plastic; NHCO/S			5.5 - 8.5 ft bgs: Bentonite - medium chips								
	Poorly graded SAND with silt (SP-SM): dark brown; fine sand, trace silt [0, 90, 10]; NHCO/S			8.5 - 9.5 ft bgs: Dry Granular Bentonite #8								
10				9.5 to 10.5 ft bgs: Sand Pack - Lapis Lustre #3						0.2	9:03	SVP-4-10-051314
	BOREHOLE TERMINATED. Total depth = 10.5 ft bgs											
15												
20												
25												
30												

CONTRACTOR Gregg Drilling **NORTHING**
EQUIPMENT WARTHOG M1.5T **EASTING**
DRILL MTHD Direct Push **ANGLE** Vertical
DIAMETER 2.75"
LOGGER R. Smith **REVIEWER** K. Coffman

REMARKS NHCO/S = No Hydrocarbon Odor or Staining

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELLBORE_OAKLAND PANAMA STREET.GPJ GEOSNTEC.GDT 6/11/14

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GS FORM: WELLBORE_OAKLAND

BOREHOLE LOG

BORING SVP-5 **SHEET** 1 **OF** 1
START DATE 5/13/2014 **ELEVATION DATA**
FINISH DATE 5/13/2014 **GROUND SURFACE** ft msl
LOCATION Marina del Rey **DATUM**
PROJECT Panama street **TOTAL DEPTH** 10.5 ft bgs
PROJECT NUMBER WR1806 **DEPTH TO WATER** ft bgs

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOW COUNTS	SAMPLES RECOVERY (%)	SAMPLES PID READING (ppm)	SAMPLES TIME	COMMENTS
0	Asphalt			0 - 3.5 ft bgs: Bentonite - medium chips								Hand auger to 10.5 ft bgs. Lithology logged from cuttings.
	Lean CLAY (CL): very dark grayish brown; trace fine sand, clay [0, tr, 100]; medium plasticity; NHCO/S											
				3.5 - 4.5 ft bgs: Dry Granular Bentonite #8								
5				4.5 - 5.5 ft bgs: Sand Pack - Lapis Lustre #3						0.1	12:36	SVP-5-5-051314
				5.5 - 8.5 ft bgs: Bentonite - medium chips								
	Silty SAND (SM): dark brown; moist; fine to medium sand [0, 70, 30]; non-plastic											
	Poorly graded SAND with silt (SP-SM): dark brown; wet; sand, silt [0, 90, 10]; non-plastic silt matrix											
				8.5 - 9.5 ft bgs: Dry Granular Bentonite #8								
10				9.5 to 10.5 ft bgs: Sand Pack - Lapis Lustre #3						0.0	12:45	SVP-5-10-051314
	BOREHOLE TERMINATED. Total depth = 10.5 ft bgs											
15												
20												
25												
30												

CONTRACTOR Gregg Drilling **NORTHING**
EQUIPMENT **EASTING**
DRILL MTHD Hand Auger **ANGLE** Vertical
DIAMETER 3"
LOGGER R. Smith **REVIEWER** K. Coffman

REMARKS NHCO/S = No Hydrocarbon Odor or Staining

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELLBORE_OAKLAND PANAMA STREET.GPJ GEOSNTEC.GDT 6/11/14

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GS FORM: WELLBORE_OAKLAND

BOREHOLE LOG

BORING SVP-6 **SHEET** 1 **OF** 1
START DATE 5/12/2014 **ELEVATION DATA**
FINISH DATE 5/12/2014 **GROUND SURFACE** ft msl
LOCATION Marina del Rey **DATUM**
PROJECT Panama street **TOTAL DEPTH** 10.5 ft bgs
PROJECT NUMBER WR1806 **DEPTH TO WATER** ft bgs

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOW COUNTS	SAMPLES RECOVERY (%)	SAMPLES PID READING (ppm)	SAMPLES TIME	COMMENTS
	Asphalt			0 - 3.5 ft bgs: Bentonite - medium chips								Hand auger to 10.5 ft bgs. Lithology logged from cuttings.
	SILT (ML): very dark brown; moist; trace sand, silt [0, 10, 90]; low plasticity; NCOH/s											
				3.5 - 4.5 ft bgs: Dry Granular Bentonite #8								
5	Silty SAND (SM): very dark brown; moist; fine to medium sand [0, 50, 50]; non-plastic; NCOH/s			4.5 - 5.5 ft bgs: Sand Pack - Lapis Lustre #3						0.0	13:30	
				5.5 - 8.5 ft bgs: Bentonite - medium chips								
	@ 8' increasing in fine sand [0, 75, 25]											
				8.5 - 9.5 ft bgs: Dry Granular Bentonite #8								
10	BOREHOLE TERMINATED. Total depth = 10.5 ft bgs			9.5 to 10.5 ft bgs: Sand Pack - Lapis Lustre #3						0.0	13:40	
15												
20												
25												
30												

CONTRACTOR Gregg Drilling **NORTHING**
EQUIPMENT **EASTING**
DRILL MTHD Hand Auger **ANGLE** Vertical
DIAMETER 3"
LOGGER R. Smith **REVIEWER** K. Coffman

REMARKS NHCO/S = No Hydrocarbon Odor or Staining

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELLBORE_OAKLAND PANAMA STREET.GPJ GEOSNTEC.GDT 6/11/14

Geosyntec consultants
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Oakland, CA 94607
Phone: (510) 836-3034
Fax: (510) 836-3036

GS FORM: WELLBORE_OAKLAND

BOREHOLE LOG

BORING SVP-7 **SHEET** 1 OF 1
START DATE 5/12/2014 **ELEVATION DATA**
FINISH DATE 5/12/2014 **GROUND SURFACE** ft msl
LOCATION Marina del Rey **DATUM**
PROJECT Panama street **TOTAL DEPTH** 10.5 ft bgs
PROJECT NUMBER WR1806 **DEPTH TO WATER** ft bgs

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOW COUNTS	SAMPLES RECOVERY (%)	SAMPLES PID READING (ppm)	SAMPLES TIME	COMMENTS
0	Asphalt Lean CLAY with sand (CL): dark grayish brown; moist; fine to medium sand [0, 25, 75]; low plasticity; NHCO/S			0 - 3.5 ft bgs: Bentonite - medium chips								Hand auger to 10.5 ft bgs. Lithology logged from cuttings
5	Silty SAND (SM): dark grayish brown; moist; fine sand [0,65,35]; non-plastic			3.5 - 4.5 ft bgs: Dry Granular Bentonite #8 4.5 - 5.5 ft bgs: Sand Pack - Lapis Lustre #3 5.5 - 8.5 ft bgs: Bentonite - medium chips						0.1	14:35	
10	Poorly graded SAND with silt (SP-SM): dark brown; moist; fine sand [0; 85; 15]; non-plastic; NHCO/S BOREHOLE TERMINATED. Total depth = 10.5 ft bgs			8.5 - 9.5 ft bgs: Dry Granular Bentonite #8 9.5 to 10.5 ft bgs: Sand Pack - Lapis Lustre #3						0.2	14:50	
15												
20												
25												
30												

CONTRACTOR Gregg Drilling **NORTHING**
EQUIPMENT **EASTING**
DRILL MTHD Hand Auger **ANGLE** Vertical
DIAMETER 3"
LOGGER R. Smith **REVIEWER** K. Coffman

REMARKS NHCO/S = No Hydrocarbon Odor or Staining

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELLBORE_OAKLAND PANAMA STREET.GPJ GEOSNTEC.GDT 6/11/14

Geosyntec consultants
1111 Broadway, 6th Fl
Oakland, CA 94607
Phone: (510) 836-3034
Fax: (510) 836-3036

GS FORM: WELLBORE_OAKLAND

BOREHOLE LOG

BORING SVP-8 **SHEET** 1 **OF** 1
START DATE 5/12/2014 **ELEVATION DATA**
FINISH DATE 5/12/2014 **GROUND SURFACE** ft msl
LOCATION Marina del Rey **DATUM**
PROJECT Panama street **TOTAL DEPTH** 10.5 ft bgs
PROJECT NUMBER WR1806 **DEPTH TO WATER** 9.5 ft bgs

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOW COUNTS	SAMPLES RECOVERY (%)	SAMPLES PID READING (ppm)	SAMPLES TIME	COMMENTS
0	Asphalt Degraded asphalt Lean CLAY with sand (CL): very dark brown; moist; fine to medium sand [0, 25, 75]; low plasticity; slight staining (1-3 ft bgs); no odor			0 - 3.5 ft bgs: Bentonite - medium chips 3.5 - 4.5 ft bgs: Dry Granular Bentonite #8 4.5 - 5.5 ft bgs: Sand Pack - Lapis Lustre #3 5.5 - 7.5 ft bgs: Bentonite - medium chips							Hand-auger to 6ft depth. Lithology logged from cuttings.
5										0.4	8:55	
	Silty SAND (SC): dark brown; moist; fine sand; non-plastic; NHCO/s			7.5 - 8.5 ft bgs: Dry Granular Bentonite #8								Direct push to 10.5 ft bgs
	Poorly graded SAND with silt (SP-SM): dark brown; moist-wet; sand [0, 90, 10]; non-plastic; NHCO/s			8.5 - 9.5 ft bgs: Sand Pack - Lapis Lustre #3 ▼ 9.5 to 10.5 ft bgs: Bentonite - medium chips								Groundwater encountered at 9.5 ft bgs.
10	BOREHOLE TERMINATED. Total depth = 10.5 ft bgs									0.0	9:20	
15												
20												
25												
30												

CONTRACTOR Gregg Drilling **NORTHING**
EQUIPMENT WARTHOG M1.5T **EASTING**
DRILL MTHD Direct Push **ANGLE** Vertical
DIAMETER 2.75"
LOGGER R. Smith **REVIEWER** K. Coffman

REMARKS NHCO/S = No Hydrocarbon Odor or Staining

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELLBORE_OAKLAND PANAMA STREET.GPJ GEOSNTEC.GDT 6/11/14

Geosyntec consultants
1111 Broadway, 6th Fl
Oakland, CA 94607
Phone: (510) 836-3034
Fax: (510) 836-3036

GS FORM: WELLBORE_OAKLAND

BOREHOLE LOG

BORING SVP-9 **SHEET** 1 **OF** 1
START DATE 5/12/2014 **ELEVATION DATA**
FINISH DATE 5/12/2014 **GROUND SURFACE** ft msl
LOCATION Marina del Rey **DATUM**
PROJECT Panama street **TOTAL DEPTH** 10.5 ft bgs
PROJECT NUMBER WR1806 **DEPTH TO WATER** ft bgs

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	WELL LOG	STRUCTURE/ GROUNDWATER	ELEVATION (ft)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOW COUNTS	SAMPLES RECOVERY (%)	SAMPLES PID READING (ppm)	SAMPLES TIME	COMMENTS
0	Asphalt Silty SAND (SM): dark reddish brown; moist; fine to coarse sand [0, 70, 30]; non-plastic; NHCO/S			0 - 3.5 ft bgs: Bentonite - medium chips 3.5 - 4.5 ft bgs: Dry Granular Bentonite #8 4.5 - 5.5 ft bgs: Sand Pack - Lapis Lustre #3						0.5	9:45	Hand-auger to 6 ft depth. Lithology logged from cuttings.
5				5.5 - 8.5 ft bgs: Bentonite - medium chips								
	Silty SAND with gravel (SM): dark reddish brown; moist; gravelly fill material, fine to coarse sand, [30, 50, 20]; NHCO/S			8.5 - 9.5 ft bgs: Dry Granular Bentonite #8 9.5 to 10.5 ft bgs: Sand Pack - Lapis Lustre #3								Direct-push to 10.5 ft bgs
10	BOREHOLE TERMINATED. Total depth = 10.5 ft bgs									0.3	9:55	
15												
20												
25												
30												

CONTRACTOR Gregg Drilling **NORTHING**
EQUIPMENT WARTHOG M1.5T **EASTING**
DRILL MTHD Direct Push **ANGLE** Vertical
DIAMETER 2.75"
LOGGER R. Smith **REVIEWER** K. Coffman

REMARKS NHCO/S = No Hydrocarbon Odor or Staining

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

WELLBORE_OAKLAND PANAMA STREET.GPJ GEOSNTEC.GDT 6/11/14

APPENDIX B

Analytical Laboratory Reports for Soil

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-05-0970

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: Panama St. / WR1806

Attention: Robert Cheung
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Approved for release on 05/28/2014 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

Client Project Name: Panama St. / WR1806
Work Order Number: 14-05-0970

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6 Sample Analysis Summary. 22

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8 Chain of Custody/Sample Receipt Form. 24

Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-05-0970 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 05/13/14. They were assigned to Work Order 14-05-0970.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	Geosyntec Consultants	Work Order:	14-05-0970
	1111 Broadway, FL 6TH	Project Name:	Panama St. / WR1806
	Oakland, CA 94607-4172	PO Number:	
		Date/Time Received:	05/13/14 14:00
		Number of Containers:	24
Attn:	Robert Cheung		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SVP-4-5-051314	14-05-0970-1	05/13/14 08:40	4	Solid
SVP-4-10-051314	14-05-0970-2	05/13/14 09:03	4	Solid
SVP-3-5-051314	14-05-0970-3	05/13/14 09:30	4	Solid
SVP-3-10-051314	14-05-0970-4	05/13/14 10:05	4	Solid
SVP-5-5-051314	14-05-0970-5	05/13/14 12:36	4	Solid
SVP-5-10-051314	14-05-0970-6	05/13/14 12:45	4	Solid

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Geosyntec Consultants	Work Order:	14-05-0970
	1111 Broadway, FL 6TH	Project Name:	Panama St. / WR1806
	Oakland, CA 94607-4172	Received:	05/13/14
Attn:	Robert Cheung		

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-4-5-051314 (14-05-0970-1)						
c-1,2-Dichloroethene	1.9		0.91	ug/kg	EPA 8260B	EPA 5035
SVP-4-10-051314 (14-05-0970-2)						
c-1,2-Dichloroethene	4.4		1.1	ug/kg	EPA 8260B	EPA 5035
SVP-3-10-051314 (14-05-0970-4)						
c-1,2-Dichloroethene	1.3		0.75	ug/kg	EPA 8260B	EPA 5035
SVP-5-5-051314 (14-05-0970-5)						
c-1,2-Dichloroethene	4.6		0.84	ug/kg	EPA 8260B	EPA 5035
SVP-5-10-051314 (14-05-0970-6)						
c-1,2-Dichloroethene	3.9		0.90	ug/kg	EPA 8260B	EPA 5035

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-4-5-051314	**14-05-0970-1-C**	**05/13/14 08:40**	**Solid**	**GC/MS BB**	**05/13/14**	**05/21/14 22:31**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	46	1.00	
Benzene	ND	0.91	1.00	
Bromobenzene	ND	0.91	1.00	
Bromochloromethane	ND	1.8	1.00	
Bromodichloromethane	ND	0.91	1.00	
Bromoform	ND	4.6	1.00	
Bromomethane	ND	18	1.00	
2-Butanone	ND	18	1.00	
n-Butylbenzene	ND	0.91	1.00	
sec-Butylbenzene	ND	0.91	1.00	
tert-Butylbenzene	ND	0.91	1.00	
Carbon Disulfide	ND	9.1	1.00	
Carbon Tetrachloride	ND	0.91	1.00	
Chlorobenzene	ND	0.91	1.00	
Chloroethane	ND	1.8	1.00	
Chloroform	ND	0.91	1.00	
Chloromethane	ND	18	1.00	
2-Chlorotoluene	ND	0.91	1.00	
4-Chlorotoluene	ND	0.91	1.00	
Dibromochloromethane	ND	1.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.6	1.00	
1,2-Dibromoethane	ND	0.91	1.00	
Dibromomethane	ND	0.91	1.00	
1,2-Dichlorobenzene	ND	0.91	1.00	
1,3-Dichlorobenzene	ND	0.91	1.00	
1,4-Dichlorobenzene	ND	0.91	1.00	
Dichlorodifluoromethane	ND	1.8	1.00	
1,1-Dichloroethane	ND	0.91	1.00	
1,2-Dichloroethane	ND	0.91	1.00	
1,1-Dichloroethene	ND	0.91	1.00	
c-1,2-Dichloroethene	1.9	0.91	1.00	
t-1,2-Dichloroethene	ND	0.91	1.00	
1,2-Dichloropropane	ND	0.91	1.00	
1,3-Dichloropropane	ND	0.91	1.00	
2,2-Dichloropropane	ND	4.6	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants	Date Received:	05/13/14
1111 Broadway, FL 6TH	Work Order:	14-05-0970
Oakland, CA 94607-4172	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Panama St. / WR1806		Page 2 of 14

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	
c-1,3-Dichloropropene	ND	0.91	1.00	
t-1,3-Dichloropropene	ND	1.8	1.00	
Ethylbenzene	ND	0.91	1.00	
2-Hexanone	ND	18	1.00	
Isopropylbenzene	ND	0.91	1.00	
p-Isopropyltoluene	ND	0.91	1.00	
Methylene Chloride	ND	9.1	1.00	
4-Methyl-2-Pentanone	ND	18	1.00	
Naphthalene	ND	9.1	1.00	
n-Propylbenzene	ND	1.8	1.00	
Styrene	ND	0.91	1.00	
1,1,1,2-Tetrachloroethane	ND	0.91	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	
Tetrachloroethene	ND	0.91	1.00	
Toluene	ND	0.91	1.00	
1,2,3-Trichlorobenzene	ND	1.8	1.00	
1,2,4-Trichlorobenzene	ND	1.8	1.00	
1,1,1-Trichloroethane	ND	0.91	1.00	
1,1,2-Trichloroethane	ND	0.91	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.1	1.00	
Trichloroethene	ND	1.8	1.00	
Trichlorofluoromethane	ND	9.1	1.00	
1,2,3-Trichloropropane	ND	1.8	1.00	
1,2,4-Trimethylbenzene	ND	1.8	1.00	
1,3,5-Trimethylbenzene	ND	1.8	1.00	
Vinyl Acetate	ND	9.1	1.00	
Vinyl Chloride	ND	0.91	1.00	
p/m-Xylene	ND	1.8	1.00	
o-Xylene	ND	0.91	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	80-120	
Dibromofluoromethane	120	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-4-10-051314	**14-05-0970-2-C**	**05/13/14 09:03**	**Solid**	**GC/MS BB**	**05/13/14**	**05/21/14 22:58**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	57	1.00	
Benzene	ND	1.1	1.00	
Bromobenzene	ND	1.1	1.00	
Bromochloromethane	ND	2.3	1.00	
Bromodichloromethane	ND	1.1	1.00	
Bromoform	ND	5.7	1.00	
Bromomethane	ND	23	1.00	
2-Butanone	ND	23	1.00	
n-Butylbenzene	ND	1.1	1.00	
sec-Butylbenzene	ND	1.1	1.00	
tert-Butylbenzene	ND	1.1	1.00	
Carbon Disulfide	ND	11	1.00	
Carbon Tetrachloride	ND	1.1	1.00	
Chlorobenzene	ND	1.1	1.00	
Chloroethane	ND	2.3	1.00	
Chloroform	ND	1.1	1.00	
Chloromethane	ND	23	1.00	
2-Chlorotoluene	ND	1.1	1.00	
4-Chlorotoluene	ND	1.1	1.00	
Dibromochloromethane	ND	2.3	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.7	1.00	
1,2-Dibromoethane	ND	1.1	1.00	
Dibromomethane	ND	1.1	1.00	
1,2-Dichlorobenzene	ND	1.1	1.00	
1,3-Dichlorobenzene	ND	1.1	1.00	
1,4-Dichlorobenzene	ND	1.1	1.00	
Dichlorodifluoromethane	ND	2.3	1.00	
1,1-Dichloroethane	ND	1.1	1.00	
1,2-Dichloroethane	ND	1.1	1.00	
1,1-Dichloroethene	ND	1.1	1.00	
c-1,2-Dichloroethene	4.4	1.1	1.00	
t-1,2-Dichloroethene	ND	1.1	1.00	
1,2-Dichloropropane	ND	1.1	1.00	
1,3-Dichloropropane	ND	1.1	1.00	
2,2-Dichloropropane	ND	5.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received:	05/13/14
Work Order:	14-05-0970
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	1.1	1.00	
t-1,3-Dichloropropene	ND	2.3	1.00	
Ethylbenzene	ND	1.1	1.00	
2-Hexanone	ND	23	1.00	
Isopropylbenzene	ND	1.1	1.00	
p-Isopropyltoluene	ND	1.1	1.00	
Methylene Chloride	ND	11	1.00	
4-Methyl-2-Pentanone	ND	23	1.00	
Naphthalene	ND	11	1.00	
n-Propylbenzene	ND	2.3	1.00	
Styrene	ND	1.1	1.00	
1,1,1,2-Tetrachloroethane	ND	1.1	1.00	
1,1,2,2-Tetrachloroethane	ND	2.3	1.00	
Tetrachloroethene	ND	1.1	1.00	
Toluene	ND	1.1	1.00	
1,2,3-Trichlorobenzene	ND	2.3	1.00	
1,2,4-Trichlorobenzene	ND	2.3	1.00	
1,1,1-Trichloroethane	ND	1.1	1.00	
1,1,2-Trichloroethane	ND	1.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
Trichloroethene	ND	2.3	1.00	
Trichlorofluoromethane	ND	11	1.00	
1,2,3-Trichloropropane	ND	2.3	1.00	
1,2,4-Trimethylbenzene	ND	2.3	1.00	
1,3,5-Trimethylbenzene	ND	2.3	1.00	
Vinyl Acetate	ND	11	1.00	
Vinyl Chloride	ND	1.1	1.00	
p/m-Xylene	ND	2.3	1.00	
o-Xylene	ND	1.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.3	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	121	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3-5-051314	**14-05-0970-3-C**	**05/13/14 09:30**	**Solid**	**GC/MS BB**	**05/13/14**	**05/21/14 23:24**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	44	1.00	
Benzene	ND	0.88	1.00	
Bromobenzene	ND	0.88	1.00	
Bromochloromethane	ND	1.8	1.00	
Bromodichloromethane	ND	0.88	1.00	
Bromoform	ND	4.4	1.00	
Bromomethane	ND	18	1.00	
2-Butanone	ND	18	1.00	
n-Butylbenzene	ND	0.88	1.00	
sec-Butylbenzene	ND	0.88	1.00	
tert-Butylbenzene	ND	0.88	1.00	
Carbon Disulfide	ND	8.8	1.00	
Carbon Tetrachloride	ND	0.88	1.00	
Chlorobenzene	ND	0.88	1.00	
Chloroethane	ND	1.8	1.00	
Chloroform	ND	0.88	1.00	
Chloromethane	ND	18	1.00	
2-Chlorotoluene	ND	0.88	1.00	
4-Chlorotoluene	ND	0.88	1.00	
Dibromochloromethane	ND	1.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.4	1.00	
1,2-Dibromoethane	ND	0.88	1.00	
Dibromomethane	ND	0.88	1.00	
1,2-Dichlorobenzene	ND	0.88	1.00	
1,3-Dichlorobenzene	ND	0.88	1.00	
1,4-Dichlorobenzene	ND	0.88	1.00	
Dichlorodifluoromethane	ND	1.8	1.00	
1,1-Dichloroethane	ND	0.88	1.00	
1,2-Dichloroethane	ND	0.88	1.00	
1,1-Dichloroethene	ND	0.88	1.00	
c-1,2-Dichloroethene	ND	0.88	1.00	
t-1,2-Dichloroethene	ND	0.88	1.00	
1,2-Dichloropropane	ND	0.88	1.00	
1,3-Dichloropropane	ND	0.88	1.00	
2,2-Dichloropropane	ND	4.4	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received:	05/13/14
Work Order:	14-05-0970
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	
c-1,3-Dichloropropene	ND	0.88	1.00	
t-1,3-Dichloropropene	ND	1.8	1.00	
Ethylbenzene	ND	0.88	1.00	
2-Hexanone	ND	18	1.00	
Isopropylbenzene	ND	0.88	1.00	
p-Isopropyltoluene	ND	0.88	1.00	
Methylene Chloride	ND	8.8	1.00	
4-Methyl-2-Pentanone	ND	18	1.00	
Naphthalene	ND	8.8	1.00	
n-Propylbenzene	ND	1.8	1.00	
Styrene	ND	0.88	1.00	
1,1,1,2-Tetrachloroethane	ND	0.88	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	
Tetrachloroethene	ND	0.88	1.00	
Toluene	ND	0.88	1.00	
1,2,3-Trichlorobenzene	ND	1.8	1.00	
1,2,4-Trichlorobenzene	ND	1.8	1.00	
1,1,1-Trichloroethane	ND	0.88	1.00	
1,1,2-Trichloroethane	ND	0.88	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.8	1.00	
Trichloroethene	ND	1.8	1.00	
Trichlorofluoromethane	ND	8.8	1.00	
1,2,3-Trichloropropane	ND	1.8	1.00	
1,2,4-Trimethylbenzene	ND	1.8	1.00	
1,3,5-Trimethylbenzene	ND	1.8	1.00	
Vinyl Acetate	ND	8.8	1.00	
Vinyl Chloride	ND	0.88	1.00	
p/m-Xylene	ND	1.8	1.00	
o-Xylene	ND	0.88	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	121	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3-10-051314	**14-05-0970-4-C**	**05/13/14 10:05**	**Solid**	**GC/MS BB**	**05/13/14**	**05/21/14 23:51**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	37	1.00	
Benzene	ND	0.75	1.00	
Bromobenzene	ND	0.75	1.00	
Bromochloromethane	ND	1.5	1.00	
Bromodichloromethane	ND	0.75	1.00	
Bromoform	ND	3.7	1.00	
Bromomethane	ND	15	1.00	
2-Butanone	ND	15	1.00	
n-Butylbenzene	ND	0.75	1.00	
sec-Butylbenzene	ND	0.75	1.00	
tert-Butylbenzene	ND	0.75	1.00	
Carbon Disulfide	ND	7.5	1.00	
Carbon Tetrachloride	ND	0.75	1.00	
Chlorobenzene	ND	0.75	1.00	
Chloroethane	ND	1.5	1.00	
Chloroform	ND	0.75	1.00	
Chloromethane	ND	15	1.00	
2-Chlorotoluene	ND	0.75	1.00	
4-Chlorotoluene	ND	0.75	1.00	
Dibromochloromethane	ND	1.5	1.00	
1,2-Dibromo-3-Chloropropane	ND	3.7	1.00	
1,2-Dibromoethane	ND	0.75	1.00	
Dibromomethane	ND	0.75	1.00	
1,2-Dichlorobenzene	ND	0.75	1.00	
1,3-Dichlorobenzene	ND	0.75	1.00	
1,4-Dichlorobenzene	ND	0.75	1.00	
Dichlorodifluoromethane	ND	1.5	1.00	
1,1-Dichloroethane	ND	0.75	1.00	
1,2-Dichloroethane	ND	0.75	1.00	
1,1-Dichloroethene	ND	0.75	1.00	
c-1,2-Dichloroethene	1.3	0.75	1.00	
t-1,2-Dichloroethene	ND	0.75	1.00	
1,2-Dichloropropane	ND	0.75	1.00	
1,3-Dichloropropane	ND	0.75	1.00	
2,2-Dichloropropane	ND	3.7	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.5	1.00	
c-1,3-Dichloropropene	ND	0.75	1.00	
t-1,3-Dichloropropene	ND	1.5	1.00	
Ethylbenzene	ND	0.75	1.00	
2-Hexanone	ND	15	1.00	
Isopropylbenzene	ND	0.75	1.00	
p-Isopropyltoluene	ND	0.75	1.00	
Methylene Chloride	ND	7.5	1.00	
4-Methyl-2-Pentanone	ND	15	1.00	
Naphthalene	ND	7.5	1.00	
n-Propylbenzene	ND	1.5	1.00	
Styrene	ND	0.75	1.00	
1,1,1,2-Tetrachloroethane	ND	0.75	1.00	
1,1,2,2-Tetrachloroethane	ND	1.5	1.00	
Tetrachloroethene	ND	0.75	1.00	
Toluene	ND	0.75	1.00	
1,2,3-Trichlorobenzene	ND	1.5	1.00	
1,2,4-Trichlorobenzene	ND	1.5	1.00	
1,1,1-Trichloroethane	ND	0.75	1.00	
1,1,2-Trichloroethane	ND	0.75	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	7.5	1.00	
Trichloroethene	ND	1.5	1.00	
Trichlorofluoromethane	ND	7.5	1.00	
1,2,3-Trichloropropane	ND	1.5	1.00	
1,2,4-Trimethylbenzene	ND	1.5	1.00	
1,3,5-Trimethylbenzene	ND	1.5	1.00	
Vinyl Acetate	ND	7.5	1.00	
Vinyl Chloride	ND	0.75	1.00	
p/m-Xylene	ND	1.5	1.00	
o-Xylene	ND	0.75	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.5	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	120	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5-5-051314	**14-05-0970-5-C**	**05/13/14 12:36**	**Solid**	**GC/MS BB**	**05/13/14**	**05/22/14 00:18**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	42	1.00	
Benzene	ND	0.84	1.00	
Bromobenzene	ND	0.84	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.84	1.00	
Bromoform	ND	4.2	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.84	1.00	
sec-Butylbenzene	ND	0.84	1.00	
tert-Butylbenzene	ND	0.84	1.00	
Carbon Disulfide	ND	8.4	1.00	
Carbon Tetrachloride	ND	0.84	1.00	
Chlorobenzene	ND	0.84	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.84	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.84	1.00	
4-Chlorotoluene	ND	0.84	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.2	1.00	
1,2-Dibromoethane	ND	0.84	1.00	
Dibromomethane	ND	0.84	1.00	
1,2-Dichlorobenzene	ND	0.84	1.00	
1,3-Dichlorobenzene	ND	0.84	1.00	
1,4-Dichlorobenzene	ND	0.84	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.84	1.00	
1,2-Dichloroethane	ND	0.84	1.00	
1,1-Dichloroethene	ND	0.84	1.00	
c-1,2-Dichloroethene	4.6	0.84	1.00	
t-1,2-Dichloroethene	ND	0.84	1.00	
1,2-Dichloropropane	ND	0.84	1.00	
1,3-Dichloropropane	ND	0.84	1.00	
2,2-Dichloropropane	ND	4.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.84	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.84	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.84	1.00	
p-Isopropyltoluene	ND	0.84	1.00	
Methylene Chloride	ND	8.4	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.4	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.84	1.00	
1,1,1,2-Tetrachloroethane	ND	0.84	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.84	1.00	
Toluene	ND	0.84	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.84	1.00	
1,1,2-Trichloroethane	ND	0.84	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.4	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.4	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.4	1.00	
Vinyl Chloride	ND	0.84	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.84	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	80-120	
Dibromofluoromethane	121	79-133	
1,2-Dichloroethane-d4	108	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5-10-051314	**14-05-0970-6-C**	**05/13/14 12:45**	**Solid**	**GC/MS BB**	**05/13/14**	**05/22/14 00:45**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	45	1.00	
Benzene	ND	0.90	1.00	
Bromobenzene	ND	0.90	1.00	
Bromochloromethane	ND	1.8	1.00	
Bromodichloromethane	ND	0.90	1.00	
Bromoform	ND	4.5	1.00	
Bromomethane	ND	18	1.00	
2-Butanone	ND	18	1.00	
n-Butylbenzene	ND	0.90	1.00	
sec-Butylbenzene	ND	0.90	1.00	
tert-Butylbenzene	ND	0.90	1.00	
Carbon Disulfide	ND	9.0	1.00	
Carbon Tetrachloride	ND	0.90	1.00	
Chlorobenzene	ND	0.90	1.00	
Chloroethane	ND	1.8	1.00	
Chloroform	ND	0.90	1.00	
Chloromethane	ND	18	1.00	
2-Chlorotoluene	ND	0.90	1.00	
4-Chlorotoluene	ND	0.90	1.00	
Dibromochloromethane	ND	1.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.00	
1,2-Dibromoethane	ND	0.90	1.00	
Dibromomethane	ND	0.90	1.00	
1,2-Dichlorobenzene	ND	0.90	1.00	
1,3-Dichlorobenzene	ND	0.90	1.00	
1,4-Dichlorobenzene	ND	0.90	1.00	
Dichlorodifluoromethane	ND	1.8	1.00	
1,1-Dichloroethane	ND	0.90	1.00	
1,2-Dichloroethane	ND	0.90	1.00	
1,1-Dichloroethene	ND	0.90	1.00	
c-1,2-Dichloroethene	3.9	0.90	1.00	
t-1,2-Dichloroethene	ND	0.90	1.00	
1,2-Dichloropropane	ND	0.90	1.00	
1,3-Dichloropropane	ND	0.90	1.00	
2,2-Dichloropropane	ND	4.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	
c-1,3-Dichloropropene	ND	0.90	1.00	
t-1,3-Dichloropropene	ND	1.8	1.00	
Ethylbenzene	ND	0.90	1.00	
2-Hexanone	ND	18	1.00	
Isopropylbenzene	ND	0.90	1.00	
p-Isopropyltoluene	ND	0.90	1.00	
Methylene Chloride	ND	9.0	1.00	
4-Methyl-2-Pentanone	ND	18	1.00	
Naphthalene	ND	9.0	1.00	
n-Propylbenzene	ND	1.8	1.00	
Styrene	ND	0.90	1.00	
1,1,1,2-Tetrachloroethane	ND	0.90	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	
Tetrachloroethene	ND	0.90	1.00	
Toluene	ND	0.90	1.00	
1,2,3-Trichlorobenzene	ND	1.8	1.00	
1,2,4-Trichlorobenzene	ND	1.8	1.00	
1,1,1-Trichloroethane	ND	0.90	1.00	
1,1,2-Trichloroethane	ND	0.90	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	1.00	
Trichloroethene	ND	1.8	1.00	
Trichlorofluoromethane	ND	9.0	1.00	
1,2,3-Trichloropropane	ND	1.8	1.00	
1,2,4-Trimethylbenzene	ND	1.8	1.00	
1,3,5-Trimethylbenzene	ND	1.8	1.00	
Vinyl Acetate	ND	9.0	1.00	
Vinyl Chloride	ND	0.90	1.00	
p/m-Xylene	ND	1.8	1.00	
o-Xylene	ND	0.90	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	80-120	
Dibromofluoromethane	119	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-312-346**	**N/A**	**Solid**	**GC/MS BB**	**05/21/14**	**05/21/14 16:15**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	97	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-346	**LCS**	**Solid**	**GC/MS BB**	**05/21/14**	**05/21/14 14:44**	**140521L022**
099-14-312-346	**LCSD**	**Solid**	**GC/MS BB**	**05/21/14**	**05/21/14 15:11**	**140521L022**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	90.10	180	83.31	167	62-182	42-202	8	0-50	
Benzene	50.00	48.41	97	48.17	96	79-120	72-127	0	0-20	
Bromobenzene	50.00	52.01	104	52.13	104	80-120	73-127	0	0-20	
Bromochloromethane	50.00	49.50	99	49.32	99	75-120	68-128	0	0-20	
Bromodichloromethane	50.00	51.16	102	50.48	101	80-122	73-129	1	0-20	
Bromoform	50.00	55.71	111	56.31	113	71-137	60-148	1	0-20	
Bromomethane	50.00	48.36	97	47.48	95	40-160	20-180	2	0-31	
2-Butanone	50.00	71.25	142	66.83	134	64-166	47-183	6	0-27	
n-Butylbenzene	50.00	47.61	95	47.69	95	80-124	73-131	0	0-20	
sec-Butylbenzene	50.00	49.55	99	49.69	99	72-126	63-135	0	0-20	
tert-Butylbenzene	50.00	50.17	100	51.56	103	72-126	63-135	3	0-20	
Carbon Disulfide	50.00	36.88	74	36.95	74	61-127	50-138	0	0-20	
Carbon Tetrachloride	50.00	45.43	91	44.68	89	69-135	58-146	2	0-20	
Chlorobenzene	50.00	52.57	105	52.40	105	71-120	63-128	0	0-20	
Chloroethane	50.00	51.73	103	51.67	103	65-131	54-142	0	0-20	
Chloroform	50.00	46.04	92	46.12	92	80-120	73-127	0	0-20	
Chloromethane	50.00	58.95	118	59.75	119	56-128	44-140	1	0-20	
2-Chlorotoluene	50.00	53.14	106	53.42	107	74-122	66-130	1	0-20	
4-Chlorotoluene	50.00	48.91	98	49.44	99	73-121	65-129	1	0-20	
Dibromochloromethane	50.00	59.23	118	59.37	119	73-127	64-136	0	0-20	
1,2-Dibromo-3-Chloropropane	50.00	45.84	92	45.71	91	74-122	66-130	0	0-20	
1,2-Dibromoethane	50.00	46.99	94	47.56	95	80-120	73-127	1	0-20	
Dibromomethane	50.00	47.42	95	47.28	95	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	50.97	102	51.13	102	74-120	66-128	0	0-20	
1,3-Dichlorobenzene	50.00	50.19	100	50.54	101	75-120	68-128	1	0-20	
1,4-Dichlorobenzene	50.00	48.37	97	48.56	97	80-120	73-127	0	0-20	
Dichlorodifluoromethane	50.00	48.05	96	47.83	96	48-150	31-167	0	0-20	
1,1-Dichloroethane	50.00	46.79	94	46.06	92	77-120	70-127	2	0-20	
1,2-Dichloroethane	50.00	43.17	86	43.32	87	72-126	63-135	0	0-20	
1,1-Dichloroethene	50.00	46.56	93	46.75	93	68-122	59-131	0	0-20	
c-1,2-Dichloroethene	50.00	47.58	95	48.11	96	80-120	73-127	1	0-20	
t-1,2-Dichloroethene	50.00	47.24	94	46.44	93	75-123	67-131	2	0-20	
1,2-Dichloropropane	50.00	49.92	100	49.62	99	80-120	73-127	1	0-20	
1,3-Dichloropropane	50.00	48.09	96	48.69	97	80-120	73-127	1	0-20	
2,2-Dichloropropane	50.00	42.51	85	42.00	84	66-138	54-150	1	0-25	
1,1-Dichloropropene	50.00	44.30	89	44.41	89	80-123	73-130	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0970
Preparation: EPA 5035
Method: EPA 8260B

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	50.20	100	50.19	100	80-126	72-134	0	0-20	
t-1,3-Dichloropropene	50.00	48.92	98	48.92	98	72-126	63-135	0	0-20	
Ethylbenzene	50.00	49.82	100	50.17	100	80-120	73-127	1	0-20	
2-Hexanone	50.00	57.89	116	55.56	111	68-146	55-159	4	0-23	
Isopropylbenzene	50.00	51.29	103	51.14	102	75-123	67-131	0	0-20	
p-Isopropyltoluene	50.00	44.06	88	44.23	88	75-120	68-128	0	0-20	
Methylene Chloride	50.00	47.44	95	49.19	98	72-120	64-128	4	0-26	
4-Methyl-2-Pentanone	50.00	49.72	99	49.58	99	77-125	69-133	0	0-20	
Naphthalene	50.00	47.73	95	48.09	96	77-125	69-133	1	0-20	
n-Propylbenzene	50.00	52.53	105	52.53	105	73-121	65-129	0	0-20	
Styrene	50.00	52.33	105	52.29	105	80-120	73-127	0	0-20	
1,1,1,2-Tetrachloroethane	50.00	54.64	109	54.92	110	80-122	73-129	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	59.06	118	62.57	125	78-120	71-127	6	0-20	ME
Tetrachloroethene	50.00	46.70	93	45.53	91	72-120	64-128	3	0-20	
Toluene	50.00	49.59	99	49.28	99	80-120	73-127	1	0-20	
1,2,3-Trichlorobenzene	50.00	48.18	96	48.75	97	80-122	73-129	1	0-20	
1,2,4-Trichlorobenzene	50.00	46.64	93	47.05	94	78-126	70-134	1	0-20	
1,1,1-Trichloroethane	50.00	43.53	87	43.00	86	76-124	68-132	1	0-20	
1,1,2-Trichloroethane	50.00	49.62	99	50.59	101	80-120	73-127	2	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	43.73	87	43.29	87	71-125	62-134	1	0-20	
Trichloroethene	50.00	42.30	85	40.93	82	80-120	73-127	3	0-20	
Trichlorofluoromethane	50.00	48.29	97	48.20	96	66-138	54-150	0	0-20	
1,2,3-Trichloropropane	50.00	48.61	97	49.15	98	79-121	72-128	1	0-20	
1,2,4-Trimethylbenzene	50.00	48.39	97	48.70	97	80-120	73-127	1	0-20	
1,3,5-Trimethylbenzene	50.00	53.54	107	53.21	106	80-125	72-132	1	0-20	
Vinyl Acetate	50.00	50.26	101	51.71	103	30-170	7-193	3	0-28	
Vinyl Chloride	50.00	48.63	97	48.97	98	60-132	48-144	1	0-20	
p/m-Xylene	100.0	99.39	99	99.95	100	78-120	71-127	1	0-20	
o-Xylene	50.00	50.76	102	50.99	102	75-123	67-131	0	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	41.03	82	41.45	83	74-122	66-130	1	0-20	

Total number of LCS compounds: 66
Total number of ME compounds: 1
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 14-05-0970 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8260B	EPA 5035	823	GC/MS BB	2

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-05-0970 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Stephen Nowak

From: Robert Cheung [RCheung@Geosyntec.com]
Sent: Wednesday, May 21, 2014 5:18 PM
To: Stephen Nowak
Subject: RE: Panama St. / WR1806 - 14-05-0970 - Sample Receipt Confirmation

Hello Steve,

Please proceed with analysis of VOCs on 6 soil samples from WO Number 14-05-0970 on standard TAT.

Please let me know if you have any questions.

Thank you, Robert

From: Stephen Nowak [mailto:snowak@calscience.com]
Sent: Wednesday, May 14, 2014 10:28 AM
To: Robert Cheung
Subject: RE: Panama St. / WR1806 - 14-05-0970 - Sample Receipt Confirmation

OK- understood.

Stephen Nowak
Project Manager
(714) 895-5494

The difference is service

From: Robert Cheung [mailto:RCheung@Geosyntec.com]
Sent: Wednesday, May 14, 2014 10:02 AM
To: Stephen Nowak
Subject: RE: Panama St. / WR1806 - 14-05-0970 - Sample Receipt Confirmation

Thank you.

SVP-5-10-051314 should be handled as the other samples – to be placed on hold (up to 14 days) until further notice.

Thanks again, Robert

From: Stephen Nowak [mailto:snowak@calscience.com]
Sent: Wednesday, May 14, 2014 9:55 AM
To: Robert Cheung
Subject: Panama St. / WR1806 - 14-05-0970 - Sample Receipt Confirmation

COC attached.

We rec'd a sample (SVP-5-10-051314) that was not listed on the COC.
Please see attached COC and sample anomaly form.

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
Other locations: Concord, San Luis Obispo, Houston, and Corpus Christi
For courier service / sample drop off information,
contact sales@calscience.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **14-05-0970**

Date: 5/13/14

Page: 1 of

LABORATORY CLIENT: Geosyntec Consultants

ADDRESS: 1111 S. Broadway, 6th Floor

CITY: Oakland STATE: CA ZIP:

TEL: 510-285-2792 E-MAIL: rcheung@geosyntec.com

CLIENT PROJECT NAME / NUMBER: Panama St

P.O. NO.: WR1806

PROJECT CONTACT: Robert Cheung

SAMPLER(S): (PRINT) Ryan Smith

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID LOG CODE

SPECIAL INSTRUCTIONS:
Please prep, but hold analysis until instructed

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	SVP-4-5-051314	5/13/14	8:40	S	4		X							X											
2	SVP-4-10-051314		9:03	S	4		X							X											
3	SVP-3-5-051314		9:30	S	4		X							X											
4	SVP-3-10-051314		10:05	S	4		X							X											
5	SVP-5-5-051314		12:36	S	4		X							X											

Relinquished by: (Signature) Ryan Smith	Received by: (Signature/Affiliation) CGC	Date: 5/13/14	Time: 1305
Relinquished by: (Signature)	Received by: (Signature/Affiliation) DANNYLE CGC	Date: 5/13/14	Time: 14:00
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies, respectively.

01/01/14 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-0970

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Geosyntec DATE: 05/13/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 6.8 °C - 0.3 °C (CF) = 6.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☑ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 828

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 828

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 802

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☐	☑	☐
☑ Collection date/time, matrix, and/or # of containers logged in based on sample labels. (C2-5)			
☐ No analysis requested. ☐ Not relinquished. ☑ No date/time relinquished. 826 5/13/14			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☐	☑	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☑TerraCores® (3) ☑2oz PJ

Aqueous: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ Labeled/Checked by: 802

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 826

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered Scanned by: 826

(-2) to (-5) collection date per label is 5/13/14

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-0970

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☑ * Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired – list sample ID(s) and test
- ☐ Insufficient quantities for analysis – list test
- ☐ Improper container(s) used – list test
- ☐ Improper preservative used – list test
- ☐ No preservative noted on COC or label – list test & notify lab
- ☐ Sample labels illegible – note test/container type
- ☑ Sample label(s) do not match COC – Note in comments
  - ☐ Sample ID
  - ☑ Date and/or Time Collected
  - ☐ Project Information
  - ☐ # of Container(s)
  - ☐ Analysis
- ☐ Sample container(s) compromised – Note in comments
  - ☐ Water present in sample container
  - ☐ Broken
- ☐ Sample container(s) not labeled
- ☐ Air sample container(s) compromised – Note in comments
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (Not transferred - duplicate bag submitted)
  - ☐ Leaking (transferred into Calscience Tedlar® Bag*)
  - ☐ Leaking (transferred into Client's Tedlar® Bag*)
- ☑ Other: _____

Comments:

* (-6) Received 3-terracores and 1-2 oz plastic jar, labeled as: SVP-5-10-051314, 5/13/14 @ 1245.

(-4) Collection time per label is 1003.

(-5) Received 1-2 oz plastic jar empty.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: 836 05/13/14

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-05-0871

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: Panama St. / WR1806

Attention: Robert Cheung
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Approved for release on 05/29/2014 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

Contents

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Work Order Number: 14-05-0871

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-05-0871 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 05/12/14. They were assigned to Work Order 14-05-0871.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	Geosyntec Consultants	Work Order:	14-05-0871
	1111 Broadway, FL 6TH	Project Name:	Panama St. / WR1806
	Oakland, CA 94607-4172	PO Number:	
		Date/Time Received:	05/12/14 14:05
		Number of Containers:	12
Attn:	Robert Cheung		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SVP-1-5-051214	14-05-0871-1	05/12/14 10:47	3	Solid
SVP-1-10-051214	14-05-0871-2	05/12/14 11:05	3	Solid
SVP-2-5-051214	14-05-0871-3	05/12/14 10:56	3	Solid
SVP-2-10-051214	14-05-0871-4	05/12/14 11:15	3	Solid

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/12/14
Work Order: 14-05-0871
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1-5-051214	**14-05-0871-1-B**	**05/12/14 10:47**	**Solid**	**GC/MS BB**	**05/12/14**	**05/21/14 20:44**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	45	1.00	
Benzene	ND	0.90	1.00	
Bromobenzene	ND	0.90	1.00	
Bromochloromethane	ND	1.8	1.00	
Bromodichloromethane	ND	0.90	1.00	
Bromoform	ND	4.5	1.00	
Bromomethane	ND	18	1.00	
2-Butanone	ND	18	1.00	
n-Butylbenzene	ND	0.90	1.00	
sec-Butylbenzene	ND	0.90	1.00	
tert-Butylbenzene	ND	0.90	1.00	
Carbon Disulfide	ND	9.0	1.00	
Carbon Tetrachloride	ND	0.90	1.00	
Chlorobenzene	ND	0.90	1.00	
Chloroethane	ND	1.8	1.00	
Chloroform	ND	0.90	1.00	
Chloromethane	ND	18	1.00	
2-Chlorotoluene	ND	0.90	1.00	
4-Chlorotoluene	ND	0.90	1.00	
Dibromochloromethane	ND	1.8	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.5	1.00	
1,2-Dibromoethane	ND	0.90	1.00	
Dibromomethane	ND	0.90	1.00	
1,2-Dichlorobenzene	ND	0.90	1.00	
1,3-Dichlorobenzene	ND	0.90	1.00	
1,4-Dichlorobenzene	ND	0.90	1.00	
Dichlorodifluoromethane	ND	1.8	1.00	
1,1-Dichloroethane	ND	0.90	1.00	
1,2-Dichloroethane	ND	0.90	1.00	
1,1-Dichloroethene	ND	0.90	1.00	
c-1,2-Dichloroethene	ND	0.90	1.00	
t-1,2-Dichloroethene	ND	0.90	1.00	
1,2-Dichloropropane	ND	0.90	1.00	
1,3-Dichloropropane	ND	0.90	1.00	
2,2-Dichloropropane	ND	4.5	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants	Date Received:	05/12/14
1111 Broadway, FL 6TH	Work Order:	14-05-0871
Oakland, CA 94607-4172	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Panama St. / WR1806		Page 2 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.8	1.00	
c-1,3-Dichloropropene	ND	0.90	1.00	
t-1,3-Dichloropropene	ND	1.8	1.00	
Ethylbenzene	ND	0.90	1.00	
2-Hexanone	ND	18	1.00	
Isopropylbenzene	ND	0.90	1.00	
p-Isopropyltoluene	ND	0.90	1.00	
Methylene Chloride	ND	9.0	1.00	
4-Methyl-2-Pentanone	ND	18	1.00	
Naphthalene	ND	9.0	1.00	
n-Propylbenzene	ND	1.8	1.00	
Styrene	ND	0.90	1.00	
1,1,1,2-Tetrachloroethane	ND	0.90	1.00	
1,1,2,2-Tetrachloroethane	ND	1.8	1.00	
Tetrachloroethene	ND	0.90	1.00	
Toluene	ND	0.90	1.00	
1,2,3-Trichlorobenzene	ND	1.8	1.00	
1,2,4-Trichlorobenzene	ND	1.8	1.00	
1,1,1-Trichloroethane	ND	0.90	1.00	
1,1,2-Trichloroethane	ND	0.90	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.0	1.00	
Trichloroethene	ND	1.8	1.00	
Trichlorofluoromethane	ND	9.0	1.00	
1,2,3-Trichloropropane	ND	1.8	1.00	
1,2,4-Trimethylbenzene	ND	1.8	1.00	
1,3,5-Trimethylbenzene	ND	1.8	1.00	
Vinyl Acetate	ND	9.0	1.00	
Vinyl Chloride	ND	0.90	1.00	
p/m-Xylene	ND	1.8	1.00	
o-Xylene	ND	0.90	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.8	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	80-120	
Dibromofluoromethane	121	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/12/14
Work Order: 14-05-0871
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1-10-051214	**14-05-0871-2-B**	**05/12/14 11:05**	**Solid**	**GC/MS BB**	**05/12/14**	**05/21/14 21:10**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	40	1.00	
Benzene	ND	0.81	1.00	
Bromobenzene	ND	0.81	1.00	
Bromochloromethane	ND	1.6	1.00	
Bromodichloromethane	ND	0.81	1.00	
Bromoform	ND	4.0	1.00	
Bromomethane	ND	16	1.00	
2-Butanone	ND	16	1.00	
n-Butylbenzene	ND	0.81	1.00	
sec-Butylbenzene	ND	0.81	1.00	
tert-Butylbenzene	ND	0.81	1.00	
Carbon Disulfide	ND	8.1	1.00	
Carbon Tetrachloride	ND	0.81	1.00	
Chlorobenzene	ND	0.81	1.00	
Chloroethane	ND	1.6	1.00	
Chloroform	ND	0.81	1.00	
Chloromethane	ND	16	1.00	
2-Chlorotoluene	ND	0.81	1.00	
4-Chlorotoluene	ND	0.81	1.00	
Dibromochloromethane	ND	1.6	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.00	
1,2-Dibromoethane	ND	0.81	1.00	
Dibromomethane	ND	0.81	1.00	
1,2-Dichlorobenzene	ND	0.81	1.00	
1,3-Dichlorobenzene	ND	0.81	1.00	
1,4-Dichlorobenzene	ND	0.81	1.00	
Dichlorodifluoromethane	ND	1.6	1.00	
1,1-Dichloroethane	ND	0.81	1.00	
1,2-Dichloroethane	ND	0.81	1.00	
1,1-Dichloroethene	ND	0.81	1.00	
c-1,2-Dichloroethene	ND	0.81	1.00	
t-1,2-Dichloroethene	ND	0.81	1.00	
1,2-Dichloropropane	ND	0.81	1.00	
1,3-Dichloropropane	ND	0.81	1.00	
2,2-Dichloropropane	ND	4.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/12/14
Work Order: 14-05-0871
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.6	1.00	
c-1,3-Dichloropropene	ND	0.81	1.00	
t-1,3-Dichloropropene	ND	1.6	1.00	
Ethylbenzene	ND	0.81	1.00	
2-Hexanone	ND	16	1.00	
Isopropylbenzene	ND	0.81	1.00	
p-Isopropyltoluene	ND	0.81	1.00	
Methylene Chloride	ND	8.1	1.00	
4-Methyl-2-Pentanone	ND	16	1.00	
Naphthalene	ND	8.1	1.00	
n-Propylbenzene	ND	1.6	1.00	
Styrene	ND	0.81	1.00	
1,1,1,2-Tetrachloroethane	ND	0.81	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	1.00	
Tetrachloroethene	ND	0.81	1.00	
Toluene	ND	0.81	1.00	
1,2,3-Trichlorobenzene	ND	1.6	1.00	
1,2,4-Trichlorobenzene	ND	1.6	1.00	
1,1,1-Trichloroethane	ND	0.81	1.00	
1,1,2-Trichloroethane	ND	0.81	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	1.00	
Trichloroethene	ND	1.6	1.00	
Trichlorofluoromethane	ND	8.1	1.00	
1,2,3-Trichloropropane	ND	1.6	1.00	
1,2,4-Trimethylbenzene	ND	1.6	1.00	
1,3,5-Trimethylbenzene	ND	1.6	1.00	
Vinyl Acetate	ND	8.1	1.00	
Vinyl Chloride	ND	0.81	1.00	
p/m-Xylene	ND	1.6	1.00	
o-Xylene	ND	0.81	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	121	79-133	
1,2-Dichloroethane-d4	109	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received:	05/12/14
Work Order:	14-05-0871
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2-5-051214	**14-05-0871-3-B**	**05/12/14 10:56**	**Solid**	**GC/MS BB**	**05/12/14**	**05/21/14 21:37**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	43	1.00	
Benzene	ND	0.86	1.00	
Bromobenzene	ND	0.86	1.00	
Bromochloromethane	ND	1.7	1.00	
Bromodichloromethane	ND	0.86	1.00	
Bromoform	ND	4.3	1.00	
Bromomethane	ND	17	1.00	
2-Butanone	ND	17	1.00	
n-Butylbenzene	ND	0.86	1.00	
sec-Butylbenzene	ND	0.86	1.00	
tert-Butylbenzene	ND	0.86	1.00	
Carbon Disulfide	ND	8.6	1.00	
Carbon Tetrachloride	ND	0.86	1.00	
Chlorobenzene	ND	0.86	1.00	
Chloroethane	ND	1.7	1.00	
Chloroform	ND	0.86	1.00	
Chloromethane	ND	17	1.00	
2-Chlorotoluene	ND	0.86	1.00	
4-Chlorotoluene	ND	0.86	1.00	
Dibromochloromethane	ND	1.7	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.3	1.00	
1,2-Dibromoethane	ND	0.86	1.00	
Dibromomethane	ND	0.86	1.00	
1,2-Dichlorobenzene	ND	0.86	1.00	
1,3-Dichlorobenzene	ND	0.86	1.00	
1,4-Dichlorobenzene	ND	0.86	1.00	
Dichlorodifluoromethane	ND	1.7	1.00	
1,1-Dichloroethane	ND	0.86	1.00	
1,2-Dichloroethane	ND	0.86	1.00	
1,1-Dichloroethene	ND	0.86	1.00	
c-1,2-Dichloroethene	ND	0.86	1.00	
t-1,2-Dichloroethene	ND	0.86	1.00	
1,2-Dichloropropane	ND	0.86	1.00	
1,3-Dichloropropane	ND	0.86	1.00	
2,2-Dichloropropane	ND	4.3	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received:	05/12/14
Work Order:	14-05-0871
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg
	Page 6 of 10

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.7	1.00	
c-1,3-Dichloropropene	ND	0.86	1.00	
t-1,3-Dichloropropene	ND	1.7	1.00	
Ethylbenzene	ND	0.86	1.00	
2-Hexanone	ND	17	1.00	
Isopropylbenzene	ND	0.86	1.00	
p-Isopropyltoluene	ND	0.86	1.00	
Methylene Chloride	ND	8.6	1.00	
4-Methyl-2-Pentanone	ND	17	1.00	
Naphthalene	ND	8.6	1.00	
n-Propylbenzene	ND	1.7	1.00	
Styrene	ND	0.86	1.00	
1,1,1,2-Tetrachloroethane	ND	0.86	1.00	
1,1,2,2-Tetrachloroethane	ND	1.7	1.00	
Tetrachloroethene	ND	0.86	1.00	
Toluene	ND	0.86	1.00	
1,2,3-Trichlorobenzene	ND	1.7	1.00	
1,2,4-Trichlorobenzene	ND	1.7	1.00	
1,1,1-Trichloroethane	ND	0.86	1.00	
1,1,2-Trichloroethane	ND	0.86	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.6	1.00	
Trichloroethene	ND	1.7	1.00	
Trichlorofluoromethane	ND	8.6	1.00	
1,2,3-Trichloropropane	ND	1.7	1.00	
1,2,4-Trimethylbenzene	ND	1.7	1.00	
1,3,5-Trimethylbenzene	ND	1.7	1.00	
Vinyl Acetate	ND	8.6	1.00	
Vinyl Chloride	ND	0.86	1.00	
p/m-Xylene	ND	1.7	1.00	
o-Xylene	ND	0.86	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	121	79-133	
1,2-Dichloroethane-d4	107	71-155	
Toluene-d8	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/12/14
Work Order: 14-05-0871
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2-10-051214	**14-05-0871-4-B**	**05/12/14 11:15**	**Solid**	**GC/MS BB**	**05/12/14**	**05/21/14 22:04**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	40	1.00	
Benzene	ND	0.81	1.00	
Bromobenzene	ND	0.81	1.00	
Bromochloromethane	ND	1.6	1.00	
Bromodichloromethane	ND	0.81	1.00	
Bromoform	ND	4.0	1.00	
Bromomethane	ND	16	1.00	
2-Butanone	ND	16	1.00	
n-Butylbenzene	ND	0.81	1.00	
sec-Butylbenzene	ND	0.81	1.00	
tert-Butylbenzene	ND	0.81	1.00	
Carbon Disulfide	ND	8.1	1.00	
Carbon Tetrachloride	ND	0.81	1.00	
Chlorobenzene	ND	0.81	1.00	
Chloroethane	ND	1.6	1.00	
Chloroform	ND	0.81	1.00	
Chloromethane	ND	16	1.00	
2-Chlorotoluene	ND	0.81	1.00	
4-Chlorotoluene	ND	0.81	1.00	
Dibromochloromethane	ND	1.6	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.0	1.00	
1,2-Dibromoethane	ND	0.81	1.00	
Dibromomethane	ND	0.81	1.00	
1,2-Dichlorobenzene	ND	0.81	1.00	
1,3-Dichlorobenzene	ND	0.81	1.00	
1,4-Dichlorobenzene	ND	0.81	1.00	
Dichlorodifluoromethane	ND	1.6	1.00	
1,1-Dichloroethane	ND	0.81	1.00	
1,2-Dichloroethane	ND	0.81	1.00	
1,1-Dichloroethene	ND	0.81	1.00	
c-1,2-Dichloroethene	ND	0.81	1.00	
t-1,2-Dichloroethene	ND	0.81	1.00	
1,2-Dichloropropane	ND	0.81	1.00	
1,3-Dichloropropane	ND	0.81	1.00	
2,2-Dichloropropane	ND	4.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received:	05/12/14
Work Order:	14-05-0871
Preparation:	EPA 5035
Method:	EPA 8260B
Units:	ug/kg

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	1.6	1.00	
c-1,3-Dichloropropene	ND	0.81	1.00	
t-1,3-Dichloropropene	ND	1.6	1.00	
Ethylbenzene	ND	0.81	1.00	
2-Hexanone	ND	16	1.00	
Isopropylbenzene	ND	0.81	1.00	
p-Isopropyltoluene	ND	0.81	1.00	
Methylene Chloride	ND	8.1	1.00	
4-Methyl-2-Pentanone	ND	16	1.00	
Naphthalene	ND	8.1	1.00	
n-Propylbenzene	ND	1.6	1.00	
Styrene	ND	0.81	1.00	
1,1,1,2-Tetrachloroethane	ND	0.81	1.00	
1,1,2,2-Tetrachloroethane	ND	1.6	1.00	
Tetrachloroethene	ND	0.81	1.00	
Toluene	ND	0.81	1.00	
1,2,3-Trichlorobenzene	ND	1.6	1.00	
1,2,4-Trichlorobenzene	ND	1.6	1.00	
1,1,1-Trichloroethane	ND	0.81	1.00	
1,1,2-Trichloroethane	ND	0.81	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	8.1	1.00	
Trichloroethene	ND	1.6	1.00	
Trichlorofluoromethane	ND	8.1	1.00	
1,2,3-Trichloropropane	ND	1.6	1.00	
1,2,4-Trimethylbenzene	ND	1.6	1.00	
1,3,5-Trimethylbenzene	ND	1.6	1.00	
Vinyl Acetate	ND	8.1	1.00	
Vinyl Chloride	ND	0.81	1.00	
p/m-Xylene	ND	1.6	1.00	
o-Xylene	ND	0.81	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.6	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	80-120	
Dibromofluoromethane	124	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/12/14
Work Order: 14-05-0871
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-312-346**	**N/A**	**Solid**	**GC/MS BB**	**05/21/14**	**05/21/14 16:15**	**140521L022**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/12/14
Work Order: 14-05-0871
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	80-120	
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	97	71-155	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/12/14
Work Order: 14-05-0871
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-346	**LCS**	**Solid**	**GC/MS BB**	**05/21/14**	**05/21/14 14:44**	**140521L022**
099-14-312-346	**LCSD**	**Solid**	**GC/MS BB**	**05/21/14**	**05/21/14 15:11**	**140521L022**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	90.10	180	83.31	167	62-182	42-202	8	0-50	
Benzene	50.00	48.41	97	48.17	96	79-120	72-127	0	0-20	
Bromobenzene	50.00	52.01	104	52.13	104	80-120	73-127	0	0-20	
Bromochloromethane	50.00	49.50	99	49.32	99	75-120	68-128	0	0-20	
Bromodichloromethane	50.00	51.16	102	50.48	101	80-122	73-129	1	0-20	
Bromoform	50.00	55.71	111	56.31	113	71-137	60-148	1	0-20	
Bromomethane	50.00	48.36	97	47.48	95	40-160	20-180	2	0-31	
2-Butanone	50.00	71.25	142	66.83	134	64-166	47-183	6	0-27	
n-Butylbenzene	50.00	47.61	95	47.69	95	80-124	73-131	0	0-20	
sec-Butylbenzene	50.00	49.55	99	49.69	99	72-126	63-135	0	0-20	
tert-Butylbenzene	50.00	50.17	100	51.56	103	72-126	63-135	3	0-20	
Carbon Disulfide	50.00	36.88	74	36.95	74	61-127	50-138	0	0-20	
Carbon Tetrachloride	50.00	45.43	91	44.68	89	69-135	58-146	2	0-20	
Chlorobenzene	50.00	52.57	105	52.40	105	71-120	63-128	0	0-20	
Chloroethane	50.00	51.73	103	51.67	103	65-131	54-142	0	0-20	
Chloroform	50.00	46.04	92	46.12	92	80-120	73-127	0	0-20	
Chloromethane	50.00	58.95	118	59.75	119	56-128	44-140	1	0-20	
2-Chlorotoluene	50.00	53.14	106	53.42	107	74-122	66-130	1	0-20	
4-Chlorotoluene	50.00	48.91	98	49.44	99	73-121	65-129	1	0-20	
Dibromochloromethane	50.00	59.23	118	59.37	119	73-127	64-136	0	0-20	
1,2-Dibromo-3-Chloropropane	50.00	45.84	92	45.71	91	74-122	66-130	0	0-20	
1,2-Dibromoethane	50.00	46.99	94	47.56	95	80-120	73-127	1	0-20	
Dibromomethane	50.00	47.42	95	47.28	95	80-120	73-127	0	0-20	
1,2-Dichlorobenzene	50.00	50.97	102	51.13	102	74-120	66-128	0	0-20	
1,3-Dichlorobenzene	50.00	50.19	100	50.54	101	75-120	68-128	1	0-20	
1,4-Dichlorobenzene	50.00	48.37	97	48.56	97	80-120	73-127	0	0-20	
Dichlorodifluoromethane	50.00	48.05	96	47.83	96	48-150	31-167	0	0-20	
1,1-Dichloroethane	50.00	46.79	94	46.06	92	77-120	70-127	2	0-20	
1,2-Dichloroethane	50.00	43.17	86	43.32	87	72-126	63-135	0	0-20	
1,1-Dichloroethene	50.00	46.56	93	46.75	93	68-122	59-131	0	0-20	
c-1,2-Dichloroethene	50.00	47.58	95	48.11	96	80-120	73-127	1	0-20	
t-1,2-Dichloroethene	50.00	47.24	94	46.44	93	75-123	67-131	2	0-20	
1,2-Dichloropropane	50.00	49.92	100	49.62	99	80-120	73-127	1	0-20	
1,3-Dichloropropane	50.00	48.09	96	48.69	97	80-120	73-127	1	0-20	
2,2-Dichloropropane	50.00	42.51	85	42.00	84	66-138	54-150	1	0-25	
1,1-Dichloropropene	50.00	44.30	89	44.41	89	80-123	73-130	0	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/12/14
Work Order: 14-05-0871
Preparation: EPA 5035
Method: EPA 8260B

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	50.20	100	50.19	100	80-126	72-134	0	0-20	
t-1,3-Dichloropropene	50.00	48.92	98	48.92	98	72-126	63-135	0	0-20	
Ethylbenzene	50.00	49.82	100	50.17	100	80-120	73-127	1	0-20	
2-Hexanone	50.00	57.89	116	55.56	111	68-146	55-159	4	0-23	
Isopropylbenzene	50.00	51.29	103	51.14	102	75-123	67-131	0	0-20	
p-Isopropyltoluene	50.00	44.06	88	44.23	88	75-120	68-128	0	0-20	
Methylene Chloride	50.00	47.44	95	49.19	98	72-120	64-128	4	0-26	
4-Methyl-2-Pentanone	50.00	49.72	99	49.58	99	77-125	69-133	0	0-20	
Naphthalene	50.00	47.73	95	48.09	96	77-125	69-133	1	0-20	
n-Propylbenzene	50.00	52.53	105	52.53	105	73-121	65-129	0	0-20	
Styrene	50.00	52.33	105	52.29	105	80-120	73-127	0	0-20	
1,1,1,2-Tetrachloroethane	50.00	54.64	109	54.92	110	80-122	73-129	1	0-20	
1,1,2,2-Tetrachloroethane	50.00	59.06	118	62.57	125	78-120	71-127	6	0-20	ME
Tetrachloroethene	50.00	46.70	93	45.53	91	72-120	64-128	3	0-20	
Toluene	50.00	49.59	99	49.28	99	80-120	73-127	1	0-20	
1,2,3-Trichlorobenzene	50.00	48.18	96	48.75	97	80-122	73-129	1	0-20	
1,2,4-Trichlorobenzene	50.00	46.64	93	47.05	94	78-126	70-134	1	0-20	
1,1,1-Trichloroethane	50.00	43.53	87	43.00	86	76-124	68-132	1	0-20	
1,1,2-Trichloroethane	50.00	49.62	99	50.59	101	80-120	73-127	2	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	43.73	87	43.29	87	71-125	62-134	1	0-20	
Trichloroethene	50.00	42.30	85	40.93	82	80-120	73-127	3	0-20	
Trichlorofluoromethane	50.00	48.29	97	48.20	96	66-138	54-150	0	0-20	
1,2,3-Trichloropropane	50.00	48.61	97	49.15	98	79-121	72-128	1	0-20	
1,2,4-Trimethylbenzene	50.00	48.39	97	48.70	97	80-120	73-127	1	0-20	
1,3,5-Trimethylbenzene	50.00	53.54	107	53.21	106	80-125	72-132	1	0-20	
Vinyl Acetate	50.00	50.26	101	51.71	103	30-170	7-193	3	0-28	
Vinyl Chloride	50.00	48.63	97	48.97	98	60-132	48-144	1	0-20	
p/m-Xylene	100.0	99.39	99	99.95	100	78-120	71-127	1	0-20	
o-Xylene	50.00	50.76	102	50.99	102	75-123	67-131	0	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	41.03	82	41.45	83	74-122	66-130	1	0-20	

Total number of LCS compounds: 66
Total number of ME compounds: 1
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 14-05-0871

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8260B	EPA 5035	823	GC/MS BB	2

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-05-0871 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Stephen Nowak

From: Robert Cheung [RCheung@Geosyntec.com]
Sent: Wednesday, May 21, 2014 5:17 PM
To: Stephen Nowak
Subject: RE: Panama St. / WR1806 - 14-05-0871 - Sample Receipt Confirmation

Hello Steve,

Please proceed with analysis of VOCs on 4 soil samples from WO Number 14-05-0871 on standard TAT.

Thank you, Robert

From: Stephen Nowak [mailto:snowak@calscience.com]
Sent: Tuesday, May 13, 2014 10:06 AM
To: Robert Cheung
Subject: Panama St. / WR1806 - 14-05-0871 - Sample Receipt Confirmation

Stephen Nowak
Project Manager

Calscience

7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494
www.calscience.com



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Calscience Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

Date 5/12/14

Page 1 of 1

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

WO # / LAB USE ONLY
14-05-0871

LABORATORY CLIENT: Geosyntec Consultants

ADDRESS: 1111 S. Broadway 6th Floor

CITY Oakland STATE CA ZIP

TEL: 510-285-2792 E-MAIL: rcheung@geosyntec.com

CLIENT PROJECT NAME / NUMBER: Panama St WR1806

P.O. NO.: WR1806

PROJECT CONTACT: Robert Cheung

SAMPLER(S): (PRINT) Ryan Smith

TURNAROUND TIME:
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ STANDARD

☐ COELT EDF | GLOBAL ID | LOG CODE

SPECIAL INSTRUCTIONS:
Preserve in lab, hold analyses until instruct

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH (g) or GRO	TPH (d) or DRO or (C6C36) or (C6-C44)	TPH ( )	BTEX / MTBE (8260) or ( )	VOCs (8260)	Oxygenates (8260)	En Core / Terra Core Prep (5035)	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PNAs (8310) or (8270)	T22 Metals (6010B/747X)	Cr(VI) [7196 or 7199 or 218.6]
1	SVP-1-5-051214	5/12/14	10:47	S	3	X							X								
2	SVP-1-10-051214	5/12/14	11:05	S	3	X							X								
3	SVP-2-5-051214	5/12/14	10:56	S	3	X							X								
4	SVP-2-10-051214	5/12/14	11:15	S	3	X							X								

Relinquished by: (Signature) Ryan Smith	Received by: (Signature/Affiliation) CEL	Date: 05/12/14	Time: 11.45 AM
Relinquished by: (Signature)	Received by: (Signature/Affiliation) CEL	Date: 5/12/14	Time: 14:05
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

09/01/13 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-0871

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: GEOSYNTEC DATE: 05/12/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.7 °C - 0.3 °C (CF) = 2.4 °C ☒ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 804

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☒ Not Present ☐ N/A Checked by: 804

☐ Sample ☐_____ ☐ No (Not Intact) ☒ Not Present Checked by: 659

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☑3EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 659

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 15

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 15

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APPENDIX C

Soil Gas Probe Measurement Forms

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St
Date: 5-15-14 Project Number: WR1806
Site Location: 12922 Panama St
Weather: Sunny, Hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: R. Smith, B. Cozzens

Probe No.: SVP-1-5 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM 11448/09
MDG 2002 Helium detector Serial No.: U57140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches/centimeters) ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

④ Initial Vacuum (prior to pumping) 0.0 in. H_2O

⑤ Shut in test prior to pneumatic test completed, 80 in. H_2O held for 60 seconds.

⑥ ~~Start of Pneumatic Test~~: Purge Volume test vacuums

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
①	~~0.1~~	(80) ~~0.5~~ 0.4
②	~~0.2~~	0.7
③	~~0.5~~	1.6 - 3.0

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes (No) ☒ No ☒ Shut in completed in #5 above

⑨ Purging purge volume test

	Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v %) (circle one)	VOCs by PID (ppm_v)
①	5/15/14	8:52	8:54	2	1PV 0.43	0.2	0.5	Not enough volume			21.3	23.4	0	7.5
②	↓	8:57	9:08	11	3PV 1.29	0.2	2.0	0.0	9.6	1.3	15.8	27.6	0	2.1
③	↓	9:12	9:37	25	10PV 4.3	0.2	6.5	0.1	9.9	1.3	17.1	34.6	0	5.1

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☐ No ☒

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/15/14	09:40	09:46	SVP-1-5-051514	LL056	A359	—	29.64	1.73

Comments:

SGP measurements - pneumatic testing.ai

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St. | Probe No.: SVP-1-8.5 | ☐ Sub-slab probe ☒ Soil gas probe
Date: 5/15/14 | Project Number: WR1806 | Mini Rae 2000 Serial No.: 592-905537 | Lamp: (10.6) / 11.7 eV
Site Location: 12922 Panama St | Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM 11448 \ 09
Weather: Sunny / hot | MDG 2002 Helium detector Serial No.: 457140X
Field Personnel: R. Smith, B. Cozzens | Tracer Gas: ☒ Helium ☐ Other
Recorded By: R. Smith, B. Cozzens

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches)/centimeters ☐ Unknown (i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.43 (L)

④ Initial ~~Vacuum~~ Pressure (prior to pumping) 0.1 in. H_2O (Positive pressure)

⑤ Shut in test prior to pneumatic test completed, 88 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes (NC) ☒ No ☒ Shut in completed in #5 above

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)
5/15/14	10:24	10:29	5	1.0	0.2	1.0	0.0	7.0	2.4	16.2	27.3	(0)	8.2

Vac (in H_2O) 0.08

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/15/14	10:37	10:44	SVP-1-8.5-051514	LC412	A165	—	29.60	1.31

Comments:

SGP measurements - pneumatic testing.dl

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St.
Date: 5/15/14 Project Number: WR1806
Site Location: 12922 Panama St
Weather: Sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-2-5 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM 11448 \ 09
MDG 2002 Helium detector Serial No.: 1157140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches)/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑤ Shut in test prior to pneumatic test completed: 82 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)	Vac. (in H_2O)
5/15/14	11:15	11:21	6	1	0.2	1	9.400	9.4	2.0	14.5	29.2	0	5.0	1.3

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time (Start)	(End time)	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/15/14	~~10:27~~ 11:27	11:32	SVP-2-5-051514	LC229	A320	—	29.66	2.47

Comments:

SOP measurements - pneumatic testing.xls

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St.
Date: 5/15/14 Project Number: WR1806
Site Location: 12922 Panama St
Weather: Sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By:

Probe No.: SVP-2-8.5 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM 11448 \ 09
MDG 2002 Helium detector Serial No.: 457140
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 inches/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.43 (L)

⑤ Shut in test prior to pneumatic test completed, 80 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H2O)
5/15/14	11:50	11:56	6	1	0.2	1	0.0	6.1	6.2	14.9	25.9	0	7.4	0.13

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time start	Time end	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/15/14	12:00	12:06	SVP-2-8.5-051514	LC038	A332	—	29.53	3.22

Comments:

SCP measurements - pneumatic testing.ai

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SOIL GAS PROBE MEASUREMENTS

① Project Name: Panama St.
Date: 5/15/14 Project Number: WR1806
Site Location: 12922 Panama St.
Weather: Sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-3-5 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 \ 09
MDG 2002 Helium detector Serial No.: 457140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches)/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑤ Shut in test prior to pneumatic test completed 88 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H2O)
5/15/14	13:24	13:31	7	1	0.2	1	0.0	7.6	1.4	14.1	33.7	0	4.7	0.25

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/15/14	13:39	13:44	SVP-3-5-051514	LC231	A-240	—	29.63	2.06

Comments:

SGP measurements - pneumatic testing.ai

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
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Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St. Probe No.: SVP-3-10 ☐ Sub-slab probe ☒ Soil gas probe
Date: 5/15/14 Project Number: WR1806 Mini Rae 2000 Serial No.: 592-905537 Lamp: 10.6 / 11.7 eV
Site Location: 12922 Panama St Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 \ 09
Weather: Sunny / hot MDG 2002 Helium detector Serial No.: 457140 X
Field Personnel: R. Smith, B. Cozzens Tracer Gas: ☒ Helium ☐ Other
Recorded By: B. Cozzens

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 inches/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.49 (L)

⑤ Shut in test prior to pneumatic test completed, 84 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)
5/15/14	14:31	14:36	5	1	0.2	1	0.1	2.2	4.6	18.1	41.5	0	4.2

Vac (in H_2O) 0.10

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☐ Yes ☐ No **Note:** 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☐ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
			~~LC020~~ BC				~~28.96~~ B	
5/15/14	14:40	14:45	SVP-3-10-051514	LC020	A245	—	28.96	2.86

Comments:

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SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
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Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St. | Probe No.: SVP-4-S | ☐ Sub-slab probe ☒ Soil gas probe
Date: 5/15/14 | Project Number: WR1806 | Mini Rae 2000 Serial No.: 592-905537 | Lamp: (10.6) / 11.7 eV
Site Location: 12922 Panama St. | Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM 11448 \ 09
Weather: Sunny / hot | MDG 2002 Helium detector Serial No.: 457140 X
Field Personnel: R. Smith, B. Cozzens | Tracer Gas: ☒ Helium ☐ Other
Recorded By: B. Cozzens, R. Smith

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches/centimeters) ☐ Unknown (i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

⑤ Shut in test prior to pneumatic test completed, 86 in. H_2O held for 60 seconds.

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H_2O)
5/15/14	15:51	15:57	6	1	0.2	1	0.0	7.1	4.9	21.2	28.2	0.0	6.3	0.34

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No **Note:** 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start / End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/15/14	16:04	~~SVP~~ SVP-4-5-051514	LC093	A123	—	29.62	3.38
5/15/14	16:04	DUP-1-051514	LC372	~~A374~~ (BC)	—	29.65	2.88
16:05	16:05			(A123			

Comments:

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SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St
Date: 5/15/14 Project Number: WR1806
Site Location: 12922 Panama St
Weather: sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-4-10 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 \ 09
MDG 2002 Helium detector Serial No.: 457140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches)/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑤ Shut in test prior to pneumatic test completed, 80 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☐

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H_2O)
5/15/14	12:48	12:55	7	1	0.2	1	0.1	7.8	2.3	18.3	29.3	0	8.8	0.125

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No **Note:** 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/15/14	12:58	13:04	SVP-4-10-051514	LC442	A128	—	29.65	1.00

Comments:

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SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St.
Date: 5/15/14 Project Number: WR1806
Site Location: 12922 Panama St
Weather: sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-5-5 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM 11448 \ 09
MDG 2002 Helium detector Serial No.: US7140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches)/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑤ Shut in test prior to pneumatic test completed, 82 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading ~~80~~ 0.4 ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm), % (circle one)	VOCs by PID (ppm_v)
5/15/14	15:34	15:40	6	1	0.2	1	0.2	6.9	5.1	22.0	30.3	(ppm), %	11.1

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/15/14	15:44	15:49	SVP-5-5-051514	LC045	A374	—	+29.64	2.74

Comments:

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SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St.
Date: 5/16/14 Project Number: WR1806
Site Location: 12922 Panama St.
Weather: sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-5-10 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 / 09
MDG 2002 Helium detector Serial No.: US7140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 inches/centimeters ☐ Unknown (i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.49 (L)

⑤ Shut in test prior to pneumatic test completed, 88 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H_2O)
5/16/14	8:07	8:12	5	0.75	0.2	0.75	0.1	2.8	7.4	15.5	28.0	(0)	6.5	0.165

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/16/14	08:16	08:26	SVP-5-10-051614	LC123	A77	—	29.68	2.58
5/16/14	08:16	08:26	DUP-2-051614	LC624	A77	—	29.66	2.51

Comments:

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SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
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(519)822-2230 Fax (519)822-3151

① Project Name: Panama St
Date: 5/16/14 Project Number: WR1806
Site Location: 12922 Panama St.
Weather: Sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-6-5 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 \ 09
MDG 2002 Helium detector Serial No.: 457140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness 4 (inches)/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab
<0.1 L
Soil gas probe 0.48 (L)

⑤ Shut in test prior to pneumatic test completed, 88 in. H_2O held for 60 seconds.

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H_2O)
5/16/14	12:05	12:11	6	0.75	0.2	0.75	0.0	4.1	15.1	25.7	33.1	0	1.2	0.135

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/16/14	12:18	12:23	SVP-6-5-051614	LC058	A17	—	29.65	4.84

Comments:

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SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
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(519)822-2230 Fax (519)822-3151

① Project Name: Panama St
Date: 5/16/14 Project Number: WR1806
Site Location: 12922 Panama St.
Weather: sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-6-10 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 / 09
MDG 2002 Helium detector Serial No.: US7140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness 4 inches/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab
<0.1 L
Soil gas probe 0.48 (L)

⑤ Shut in test prior to pneumatic test completed, 80 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)
5/16/14	12:32	12:38	6	0.75	0.2	0.75	0.0	2.1	15.1	29.6	34.9	(ppm), %	1.7

Vac (in H_2O) 0.6 ~~0.06~~ 80

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/16/14	12:42	12:47	SVP-6-10-051614	LC084	A407	—	29.59	2.49

Comments:

SGI measurements - pneumatic testing.ai

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St.
Date: 5/16/14 Project Number: WR1806
Site Location: 12922 Panama St.
Weather: sunny / hot
Field Personnel: B. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-7-5 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM 11448 \ 09
MDG 2002 Helium detector Serial No.: 457140 X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches)/centimeters ☐ Unknown (i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

⑤ Shut in test prior to pneumatic test completed, 82 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)	Vac ($in.H_2O$)
5/16/14	13:11	13:18	7	0.75	0.2	0.75	0.1	7.3	11.5	22.2	32.7	(ppm, %)	1.6	0.19

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/16/14	13:26	13:32	SVP-7-5-051614	LC804	A111	—	29.64	1.91

Comments:

SGP measurements - pneumatic testing.cdr

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St.
Date: 5/16/14 Project Number: WR1806
Site Location: 12922 Panama St.
Weather: sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-7-10 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (0.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 \ 09
MDG 2002 Helium detector Serial No.: 457140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches)/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

⑤ Shut in test prior to pneumatic test completed, 95 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

④ Initial Vacuum (prior to pumping) 0.06 in. H_2O

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H_2O)
5/16/14	13:46	13:51	5	0.75	0.2	0.75	0.1	2.2	12.9	25.6	34.7	(0)	3.0	0.17

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time start	Time end	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/16/14	13:53	13:59	SVP-7-10-051614	LC295	A495	—	29.61	0.68

Comments:

SGP measurements - pneumatic testing.xls

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St.
Date: 5/16/14 Project Number: WR1806
Site Location: 12922 Panama St.
Weather: sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-8-5 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 \ 09
MDG 2002 Helium detector Serial No.: 457140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 inches/centimeters ☐ Unknown (i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑤ Shut in test prior to pneumatic test completed, 100 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H_2O)
5/16/14	8:56	9:02	6	0.76	0.2	0.75	0.0	3.8	12.3	20.8	28.0	0	6.4	0.19

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/16/14	09:05	09:11	SVP-8-5-051614	LC421	A341	—	29.64	-0.10

Comments:

SGP measurements - pneumatic testing.dr

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St. | Probe No.: SVP-8-9 | ☐ Sub-slab probe ☒ Soil gas probe
Date: 5/16/14 | Project Number: WR1806 | Mini Rae 2000 Serial No.: 592-905537 | Lamp: (10.6) / 11.7 eV
Site Location: 12922 Panama St | Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 \ 09
Weather: Sunny / hot | MDG 2002 Helium detector Serial No.: ~~457140~~ 457140X
Field Personnel: R. Smith, B. Cozzens | Tracer Gas: ☒ Helium ☐ Other
Recorded By: B. Cozzens

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 4 inches/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.441 (L)

④ Initial Vacuum (prior to pumping) 0.01 in. H_2O

⑤ Shut in test prior to pneumatic test completed, 90 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H_2O)
5/16/14	9:20	9:26	6	0.75	0.2	0.75	0.0	3.2	13.1	20.1	30.1	0	5.4	0.18

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No **Note:** 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time start	Time end	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/16/14	09:32	09:37	SVP-8-9-05	LC326	A171	—	29.66	1.07

Comments:

SGP measurements - pneumatic testing.xl

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St.
Date: 5/16/14 Project Number: WR1806
Site Location: 12922 Panama St.
Weather: Sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-9-5 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (0.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 \ 07
MDG 2002 Helium detector Serial No.: U57140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 inches/centimeters ☐ Unknown
(i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab
<0.1 L
Soil gas probe 0.48 (L)

⑤ Shut in test prior to pneumatic test completed, 84 in. H_2O held for 60 seconds.

④ Initial Vacuum (prior to pumping) 0 in. H_2O

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H_2O)
5/16/14	9:52	9:57	5	0.75	0.2	0.75	0.0	3.4	16.5	19.8	25.8	0	2.4	0.15

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/16/14	10:01	10:05	SVP-9-5-051614	1C165	A351	—	29.65	6.51

Comments:

SGP measurements - pneumatic testing.cdr

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
130 Research Lane, Suite 2
Guelph, Ontario, Canada N1G 5G3
(519)822-2230 Fax (519)822-3151

① Project Name: Panama St
Date: 5/16/14 Project Number: WR1806
Site Location: 12922 Panama St
Weather: sunny / hot
Field Personnel: R. Smith, B. Cozzens
Recorded By: B. Cozzens

Probe No.: SVP-9-10 ☐ Sub-slab probe ☒ Soil gas probe
Mini Rae 2000 Serial No.: 592-905537 Lamp: (10.6) / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial No. M: GM11448 / 09
MDG 2002 Helium detector Serial No.: U57140X
Tracer Gas: ☒ Helium ☐ Other

② Surface Type: ☒ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface Thickness 3 (inches)/centimeters ☐ Unknown (i.e., asphalt or concrete)

③ 1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe 0.48 (L)

④ Initial Vacuum (prior to pumping) 0.01 in. H_2O

⑤ Shut in test prior to pneumatic test completed, 80 in. H_2O held for 60 seconds.

⑥ Start of Pneumatic Test:

Elapsed Time (min.)	Pump Flow Rate (LPM)	Well Head Vacuum in. H_2O
	0.1	
	0.2	
	0.5	

⑦ Field tubing blank reading (ppm_v) completed? ☐ Yes ☒ No PID Reading _____ ppm_v

⑧ Shut in test prior to purging completed? Yes ☐ No ☒

⑨ Purging

Date	Start Time	End Time	Elapsed Time (min.)	Bag Volume (L)	Purge Rate (LPM)	Cumulative Volume (L)	CH_4 (%)	CO_2 (%)	O_2 (%)	Tracer Gas Shroud (%) Min	Tracer Gas Shroud (%) Max	Tracer Gas Sample (ppm_v, %) (circle one)	VOCs by PID (ppm_v)	Vac (in H_2O)
5/16/14	10:13	10:18	5	0.75	0.2	0.75	0.0	3.5	16.9	25.2	33.3	0	2.4	0.14

⑩ Helium concentration in field screened samples is less than 5% of minimum concentration in the shroud? ☒ Yes ☐ No
Note: 1% helium = 10,000 ppm_v

⑪ Shut in test prior to sample collection completed? Yes ☒ No ☐

⑫ Sample Collection

Date	Time Start	Time End	Sample ID	Summa Canister ID	Flow Controller #	Vacuum Gauge #	Initial Vacuum (in. Hg)	Final Vacuum (in. Hg)
5/16/14	10:23	10:28	SVP-9-10-051614	LC848	A325	—	29.60	3.83

Comments:

SGP measurements - pneumatic testing.dl

APPENDIX D

Analytical Laboratory Reports for Soil Vapor

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-05-1347

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: Panama St. / WR1806

Attention: Robert Cheung
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Approved for release on 05/19/2014 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 14-05-1347

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-05-1347 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 05/16/14. They were assigned to Work Order 14-05-1347.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	Geosyntec Consultants	Work Order:	14-05-1347
	1111 Broadway, FL 6TH	Project Name:	Panama St. / WR1806
	Oakland, CA 94607-4172	PO Number:	
		Date/Time Received:	05/16/14 18:10
		Number of Containers:	10
Attn:	Robert Cheung		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SVP-5-10-051614	14-05-1347-1	05/16/14 08:26	1	Air
DUP-2-051614	14-05-1347-2	05/16/14 08:26	1	Air
SVP-8-5-051614	14-05-1347-3	05/16/14 09:11	1	Air
SVP-8-9-051614	14-05-1347-4	05/16/14 09:37	1	Air
SVP-9-5-051614	14-05-1347-5	05/16/14 10:05	1	Air
SVP-9-10-051614	14-05-1347-6	05/16/14 10:28	1	Air
SVP-6-5-051614	14-05-1347-7	05/16/14 12:23	1	Air
SVP-6-10-051614	14-05-1347-8	05/16/14 12:47	1	Air
SVP-7-5-051614	14-05-1347-9	05/16/14 13:32	1	Air
SVP-7-10-051614	14-05-1347-10	05/16/14 13:59	1	Air

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1347
Project Name: Panama St. / WR1806
Received: 05/16/14

Attn: Robert Cheung

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-5-10-051614 (14-05-1347-1)						
Benzene	77		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	8.2		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	160		6.2	ug/m3	EPA TO-15	N/A
Chlorobenzene	3.3		2.3	ug/m3	EPA TO-15	N/A
Chloroethane	3.1		1.3	ug/m3	EPA TO-15	N/A
Chloroform	6.5		2.4	ug/m3	EPA TO-15	N/A
Chloromethane	2.6		1.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	590		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	110		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	4200		50	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	130		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	14		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	4.1		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	24		3.4	ug/m3	EPA TO-15	N/A
Toluene	74		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	220		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	120		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	16		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	4.6		2.5	ug/m3	EPA TO-15	N/A
Vinyl Chloride	860		13	ug/m3	EPA TO-15	N/A
o-Xylene	19		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	53		8.7	ug/m3	EPA TO-15	N/A

Return to Contents

* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1347
Project Name: Panama St. / WR1806
Received: 05/16/14

Attn: Robert Cheung

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
DUP-2-051614 (14-05-1347-2)						
Benzene	81		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	6.8		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	160		6.2	ug/m3	EPA TO-15	N/A
Chlorobenzene	3.3		2.3	ug/m3	EPA TO-15	N/A
Chloroethane	3.3		1.3	ug/m3	EPA TO-15	N/A
Chloroform	6.4		2.4	ug/m3	EPA TO-15	N/A
Chloromethane	2.0		1.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	590		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	110		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	4400		50	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	140		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	29		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	4.3		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	24		3.4	ug/m3	EPA TO-15	N/A
Toluene	77		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	210		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	120		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	16		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	4.6		2.5	ug/m3	EPA TO-15	N/A
Vinyl Chloride	830		13	ug/m3	EPA TO-15	N/A
o-Xylene	19		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	53		8.7	ug/m3	EPA TO-15	N/A
SVP-8-5-051614 (14-05-1347-3)						
Acetone	30		4.8	ug/m3	EPA TO-15	N/A
Benzene	9.2		1.6	ug/m3	EPA TO-15	N/A
Carbon Disulfide	9.2		6.2	ug/m3	EPA TO-15	N/A
Chloromethane	1.4		1.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	21		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	11		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	31		3.4	ug/m3	EPA TO-15	N/A
Toluene	37		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	8.3		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	83		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	27		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	11		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	25		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	73		8.7	ug/m3	EPA TO-15	N/A

* MDL is shown

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1347
Project Name: Panama St. / WR1806
Received: 05/16/14

Attn: Robert Cheung

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-8-9-051614 (14-05-1347-4)						
Acetone	24		4.8	ug/m3	EPA TO-15	N/A
Benzene	91		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	7.6		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	55		6.2	ug/m3	EPA TO-15	N/A
Chloroform	9.5		2.4	ug/m3	EPA TO-15	N/A
Ethylbenzene	150		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	65		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	120		3.4	ug/m3	EPA TO-15	N/A
Toluene	230		1.9	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	5.7		2.7	ug/m3	EPA TO-15	N/A
Trichloroethene	46		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	360		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	120		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	65		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	150		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	440		8.7	ug/m3	EPA TO-15	N/A
SVP-9-5-051614 (14-05-1347-5)						
Acetone	13		4.8	ug/m3	EPA TO-15	N/A
Benzene	2.2		1.6	ug/m3	EPA TO-15	N/A
Chloromethane	1.4		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	2.5		2.5	ug/m3	EPA TO-15	N/A
Ethylbenzene	2.3		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	4.1		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	6.7		3.4	ug/m3	EPA TO-15	N/A
Toluene	3.5		1.9	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	12		2.7	ug/m3	EPA TO-15	N/A
Trichloroethene	7.2		2.7	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	20		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	5.4		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	4.4		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	10		8.7	ug/m3	EPA TO-15	N/A

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1347
Project Name: Panama St. / WR1806
Received: 05/16/14

Attn: Robert Cheung

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-9-10-051614 (14-05-1347-6)						
Acetone	43		4.8	ug/m3	EPA TO-15	N/A
Benzene	4.5		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	6.8		4.4	ug/m3	EPA TO-15	N/A
Carbon Tetrachloride	21		3.1	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	10		2.5	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	2.4		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	5.4		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	11		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	47		3.4	ug/m3	EPA TO-15	N/A
Toluene	5.6		1.9	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	27		2.7	ug/m3	EPA TO-15	N/A
Trichloroethene	210		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	31		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	74		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	22		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	15		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	30		8.7	ug/m3	EPA TO-15	N/A
SVP-6-5-051614 (14-05-1347-7)						
Acetone	11		4.8	ug/m3	EPA TO-15	N/A
Benzene	14		1.6	ug/m3	EPA TO-15	N/A
Bromodichloromethane	3.6		3.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	10		6.2	ug/m3	EPA TO-15	N/A
Chloroform	4.2		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	2.6		2.5	ug/m3	EPA TO-15	N/A
Ethylbenzene	14		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	3.0		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	8.9		3.4	ug/m3	EPA TO-15	N/A
Toluene	56		1.9	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	5.2		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	18		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	10		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	3.4		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	13		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	46		8.7	ug/m3	EPA TO-15	N/A

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1347
Project Name: Panama St. / WR1806
Received: 05/16/14

Attn: Robert Cheung

Client SampleID / Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-6-10-051614 (14-05-1347-8)						
Acetone	9.1		4.8	ug/m3	EPA TO-15	N/A
Benzene	5.8		1.6	ug/m3	EPA TO-15	N/A
Chloromethane	2.1		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	2.6		2.5	ug/m3	EPA TO-15	N/A
Toluene	12		1.9	ug/m3	EPA TO-15	N/A
o-Xylene	2.2		2.2	ug/m3	EPA TO-15	N/A
SVP-7-5-051614 (14-05-1347-9)						
Acetone	22		4.8	ug/m3	EPA TO-15	N/A
Benzene	13		1.6	ug/m3	EPA TO-15	N/A
Bromodichloromethane	4.7		3.4	ug/m3	EPA TO-15	N/A
2-Butanone	5.9		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	13		6.2	ug/m3	EPA TO-15	N/A
Chloroform	6.1		2.4	ug/m3	EPA TO-15	N/A
Ethylbenzene	12		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	5.0		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	220		3.4	ug/m3	EPA TO-15	N/A
Toluene	44		1.9	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	44		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	80		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	19		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	6.0		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	17		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	49		8.7	ug/m3	EPA TO-15	N/A
SVP-7-10-051614 (14-05-1347-10)						
Benzene	74		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	8.7		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	52		6.2	ug/m3	EPA TO-15	N/A
Chloroform	4.3		2.4	ug/m3	EPA TO-15	N/A
Ethylbenzene	41		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	11		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	92		3.4	ug/m3	EPA TO-15	N/A
Toluene	200		1.9	ug/m3	EPA TO-15	N/A
1,1,1-Trichloroethane	29		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	77		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	26		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	11		2.5	ug/m3	EPA TO-15	N/A
o-Xylene	39		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	140		8.7	ug/m3	EPA TO-15	N/A

* MDL is shown

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client:	Geosyntec Consultants	Work Order:	14-05-1347
	1111 Broadway, FL 6TH	Project Name:	Panama St. / WR1806
	Oakland, CA 94607-4172	Received:	05/16/14
Attn:	Robert Cheung		

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction

Subcontracted analyses, if any, are not included in this summary.

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5-10-051614	**14-05-1347-1-A**	**05/16/14 08:26**	**Air**	**GC/MS II**	**N/A**	**05/17/14 17:52**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	4.8	1.00	
Benzene	77	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	8.2	4.4	1.00	
Carbon Disulfide	160	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	3.3	2.3	1.00	
Chloroethane	3.1	1.3	1.00	
Chloroform	6.5	2.4	1.00	
Chloromethane	2.6	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	110	2.0	1.00	
t-1,2-Dichloroethene	130	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	14	2.2	1.00	
4-Ethyltoluene	4.1	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Tetrachloroethene	24	3.4	1.00	
Toluene	74	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	220	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	120	11	1.00	
1,2,4-Trimethylbenzene	16	7.4	1.00	
1,3,5-Trimethylbenzene	4.6	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
o-Xylene	19	2.2	1.00	
p/m-Xylene	53	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-134	
1,2-Dichloroethane-d4	106	67-133	
Toluene-d8	104	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5-10-051614	**14-05-1347-1-A**	**05/16/14 08:26**	**Air**	**GC/MS II**	**N/A**	**05/18/14 03:02**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloroethane	590	20	10.0	
Vinyl Chloride	860	13	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	68-134	
1,2-Dichloroethane-d4	97	67-133	
Toluene-d8	102	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5-10-051614	**14-05-1347-1-A**	**05/16/14 08:26**	**Air**	**GC/MS II**	**N/A**	**05/19/14 08:59**	**140518L01**

Parameter	Result	RL	DF	Qualifiers
c-1,2-Dichloroethene	4200	50	25.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	68-134	
1,2-Dichloroethane-d4	98	67-133	
Toluene-d8	100	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-2-051614	**14-05-1347-2-A**	**05/16/14 08:26**	**Air**	**GC/MS II**	**N/A**	**05/17/14 18:50**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	4.8	1.00	
Benzene	81	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	6.8	4.4	1.00	
Carbon Disulfide	160	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	3.3	2.3	1.00	
Chloroethane	3.3	1.3	1.00	
Chloroform	6.4	2.4	1.00	
Chloromethane	2.0	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	110	2.0	1.00	
t-1,2-Dichloroethene	140	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	29	2.2	1.00	
4-Ethyltoluene	4.3	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Tetrachloroethene	24	3.4	1.00	
Toluene	77	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	210	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	120	11	1.00	
1,2,4-Trimethylbenzene	16	7.4	1.00	
1,3,5-Trimethylbenzene	4.6	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
o-Xylene	19	2.2	1.00	
p/m-Xylene	53	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	68-134	
1,2-Dichloroethane-d4	99	67-133	
Toluene-d8	102	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-2-051614	**14-05-1347-2-A**	**05/16/14 08:26**	**Air**	**GC/MS II**	**N/A**	**05/18/14 03:50**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloroethane	590	20	10.0	
Vinyl Chloride	830	13	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	68-134	
1,2-Dichloroethane-d4	98	67-133	
Toluene-d8	101	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-2-051614	**14-05-1347-2-A**	**05/16/14 08:26**	**Air**	**GC/MS II**	**N/A**	**05/19/14 09:46**	**140518L01**

Parameter	Result	RL	DF	Qualifiers
c-1,2-Dichloroethene	4400	50	25.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	74	68-134	
1,2-Dichloroethane-d4	98	67-133	
Toluene-d8	101	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-8-5-051614	**14-05-1347-3-A**	**05/16/14 09:11**	**Air**	**GC/MS II**	**N/A**	**05/17/14 19:45**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	30	4.8	1.00	
Benzene	9.2	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	ND	4.4	1.00	
Carbon Disulfide	9.2	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	1.4	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	21	2.2	1.00	
4-Ethyltoluene	11	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received:	05/16/14
Work Order:	14-05-1347
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	31	3.4	1.00	
Toluene	37	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	8.3	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	83	11	1.00	
1,2,4-Trimethylbenzene	27	7.4	1.00	
1,3,5-Trimethylbenzene	11	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	25	2.2	1.00	
p/m-Xylene	73	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	68-134	
1,2-Dichloroethane-d4	94	67-133	
Toluene-d8	98	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-8-9-051614	**14-05-1347-4-A**	**05/16/14 09:37**	**Air**	**GC/MS II**	**N/A**	**05/17/14 20:42**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	24	4.8	1.00	
Benzene	91	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	7.6	4.4	1.00	
Carbon Disulfide	55	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	9.5	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	150	2.2	1.00	
4-Ethyltoluene	65	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received:	05/16/14
Work Order:	14-05-1347
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	120	3.4	1.00	
Toluene	230	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	5.7	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	46	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	360	11	1.00	
1,2,4-Trimethylbenzene	120	7.4	1.00	
1,3,5-Trimethylbenzene	65	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	150	2.2	1.00	
p/m-Xylene	440	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	68-134	
1,2-Dichloroethane-d4	95	67-133	
Toluene-d8	85	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-9-5-051614	**14-05-1347-5-A**	**05/16/14 10:05**	**Air**	**GC/MS II**	**N/A**	**05/17/14 21:34**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	13	4.8	1.00	
Benzene	2.2	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	ND	4.4	1.00	
Carbon Disulfide	ND	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	1.4	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	2.5	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	2.3	2.2	1.00	
4-Ethyltoluene	4.1	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	6.7	3.4	1.00	
Toluene	3.5	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	12	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	7.2	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
1,2,4-Trimethylbenzene	20	7.4	1.00	
1,3,5-Trimethylbenzene	5.4	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	4.4	2.2	1.00	
p/m-Xylene	10	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	68-134	
1,2-Dichloroethane-d4	94	67-133	
Toluene-d8	100	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-9-10-051614	**14-05-1347-6-A**	**05/16/14 10:28**	**Air**	**GC/MS II**	**N/A**	**05/17/14 22:31**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	43	4.8	1.00	
Benzene	4.5	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	6.8	4.4	1.00	
Carbon Disulfide	ND	6.2	1.00	
Carbon Tetrachloride	21	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	10	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	2.4	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	5.4	2.2	1.00	
4-Ethyltoluene	11	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	47	3.4	1.00	
Toluene	5.6	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	27	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	210	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	31	11	1.00	
1,2,4-Trimethylbenzene	74	7.4	1.00	
1,3,5-Trimethylbenzene	22	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	15	2.2	1.00	
p/m-Xylene	30	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	68-134	
1,2-Dichloroethane-d4	96	67-133	
Toluene-d8	101	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-6-5-051614	**14-05-1347-7-A**	**05/16/14 12:23**	**Air**	**GC/MS II**	**N/A**	**05/17/14 23:29**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	11	4.8	1.00	
Benzene	14	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	3.6	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	ND	4.4	1.00	
Carbon Disulfide	10	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	4.2	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	2.6	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	14	2.2	1.00	
4-Ethyltoluene	3.0	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	8.9	3.4	1.00	
Toluene	56	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	5.2	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	ND	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	18	11	1.00	
1,2,4-Trimethylbenzene	10	7.4	1.00	
1,3,5-Trimethylbenzene	3.4	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	13	2.2	1.00	
p/m-Xylene	46	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	68-134	
1,2-Dichloroethane-d4	96	67-133	
Toluene-d8	101	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-6-10-051614	**14-05-1347-8-A**	**05/16/14 12:47**	**Air**	**GC/MS II**	**N/A**	**05/18/14 00:22**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	9.1	4.8	1.00	
Benzene	5.8	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	ND	4.4	1.00	
Carbon Disulfide	ND	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	2.1	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	2.6	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	ND	2.2	1.00	
4-Ethyltoluene	ND	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	ND	3.4	1.00	
Toluene	12	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	ND	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
1,2,4-Trimethylbenzene	ND	7.4	1.00	
1,3,5-Trimethylbenzene	ND	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	2.2	2.2	1.00	
p/m-Xylene	ND	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	68-134	
1,2-Dichloroethane-d4	96	67-133	
Toluene-d8	101	70-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-7-5-051614	**14-05-1347-9-A**	**05/16/14 13:32**	**Air**	**GC/MS II**	**N/A**	**05/18/14 01:19**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	22	4.8	1.00	
Benzene	13	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	4.7	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	5.9	4.4	1.00	
Carbon Disulfide	13	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	6.1	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	12	2.2	1.00	
4-Ethyltoluene	5.0	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received:	05/16/14
Work Order:	14-05-1347
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	220	3.4	1.00	
Toluene	44	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	44	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	ND	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	80	11	1.00	
1,2,4-Trimethylbenzene	19	7.4	1.00	
1,3,5-Trimethylbenzene	6.0	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	17	2.2	1.00	
p/m-Xylene	49	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	68-134	
1,2-Dichloroethane-d4	98	67-133	
Toluene-d8	102	70-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-7-10-051614	**14-05-1347-10-A**	**05/16/14 13:59**	**Air**	**GC/MS II**	**N/A**	**05/18/14 02:12**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	4.8	1.00	
Benzene	74	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	8.7	4.4	1.00	
Carbon Disulfide	52	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	4.3	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	41	2.2	1.00	
4-Ethyltoluene	11	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received:	05/16/14
Work Order:	14-05-1347
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	92	3.4	1.00	
Toluene	200	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	29	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	ND	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	77	11	1.00	
1,2,4-Trimethylbenzene	26	7.4	1.00	
1,3,5-Trimethylbenzene	11	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	39	2.2	1.00	
p/m-Xylene	140	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	68-134	
1,2-Dichloroethane-d4	96	67-133	
Toluene-d8	101	70-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-13572**	**N/A**	**Air**	**GC/MS II**	**N/A**	**05/17/14 16:45**	**140517L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	4.8	1.00	
Benzene	ND	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	ND	4.4	1.00	
Carbon Disulfide	ND	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	ND	2.2	1.00	
4-Ethyltoluene	ND	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	ND	3.4	1.00	
Toluene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	ND	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
1,2,4-Trimethylbenzene	ND	7.4	1.00	
1,3,5-Trimethylbenzene	ND	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	ND	2.2	1.00	
p/m-Xylene	ND	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	68-134	
1,2-Dichloroethane-d4	105	67-133	
Toluene-d8	104	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-13573**	**N/A**	**Air**	**GC/MS II**	**N/A**	**05/18/14 20:12**	**140518L01**

Parameter	Result	RL	DF	Qualifiers
c-1,2-Dichloroethene	ND	2.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	68-134	
1,2-Dichloroethane-d4	103	67-133	
Toluene-d8	99	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-13572	**LCS**	**Air**	**GC/MS II**	**N/A**	**05/17/14 14:08**	**140517L01**
095-01-021-13572	**LCSD**	**Air**	**GC/MS II**	**N/A**	**05/17/14 14:58**	**140517L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	59.39	64.48	109	64.89	109	67-133	56-144	1	0-30	
Benzene	79.87	84.35	106	90.67	114	70-130	60-140	7	0-30	
Benzyl Chloride	129.4	158.3	122	161.8	125	38-158	18-178	2	0-30	
Bromodichloromethane	167.5	168.9	101	179.5	107	70-130	60-140	6	0-30	
Bromoform	258.4	278.9	108	284.7	110	63-147	49-161	2	0-30	
Bromomethane	97.08	101.7	105	103.4	106	70-139	58-150	2	0-30	
2-Butanone	73.73	79.99	108	81.60	111	66-132	55-143	2	0-30	
Carbon Disulfide	77.85	74.14	95	75.84	97	68-146	55-159	2	0-30	
Carbon Tetrachloride	157.3	155.6	99	164.6	105	70-136	59-147	6	0-30	
Chlorobenzene	115.1	122.5	106	126.8	110	70-130	60-140	3	0-30	
Chloroethane	65.96	71.30	108	72.24	110	65-149	51-163	1	0-30	
Chloroform	122.1	120.0	98	121.7	100	70-130	60-140	1	0-30	
Chloromethane	51.63	52.98	103	54.07	105	69-141	57-153	2	0-30	
Dibromochloromethane	213.0	227.4	107	232.5	109	70-138	59-149	2	0-30	
1,2-Dibromoethane	192.1	212.9	111	218.7	114	70-133	60-144	3	0-30	
1,2-Dichlorobenzene	150.3	175.1	117	179.8	120	48-138	33-153	3	0-30	
1,3-Dichlorobenzene	150.3	169.6	113	173.2	115	56-134	43-147	2	0-30	
1,4-Dichlorobenzene	150.3	174.4	116	179.3	119	52-136	38-150	3	0-30	
Dichlorodifluoromethane	123.6	109.6	89	115.5	93	67-139	55-151	5	0-30	
1,1-Dichloroethane	101.2	100.6	99	103.3	102	70-130	60-140	3	0-30	
1,2-Dichloroethane	101.2	105.4	104	106.2	105	70-132	60-142	1	0-30	
1,1-Dichloroethene	99.12	109.5	110	110.5	111	70-135	59-146	1	0-30	
c-1,2-Dichloroethene	99.12	107.7	109	110.1	111	70-130	60-140	2	0-30	
t-1,2-Dichloroethene	99.12	103.8	105	106.9	108	70-130	60-140	3	0-30	
1,2-Dichloropropane	115.5	118.0	102	126.0	109	70-130	60-140	7	0-30	
c-1,3-Dichloropropene	113.5	133.7	118	142.8	126	70-130	60-140	7	0-30	
t-1,3-Dichloropropene	113.5	139.3	123	150.1	132	70-147	57-160	7	0-30	
Dichlorotetrafluoroethane	174.8	178.4	102	180.7	103	51-135	37-149	1	0-30	
Ethylbenzene	108.6	128.4	118	132.6	122	70-130	60-140	3	0-30	
4-Ethyltoluene	122.9	149.8	122	154.6	126	68-130	58-140	3	0-30	
Hexachloro-1,3-Butadiene	266.6	253.1	95	258.8	97	44-146	27-163	2	0-30	
2-Hexanone	102.4	119.6	117	124.1	121	70-136	59-147	4	0-30	
Methyl-t-Butyl Ether (MTBE)	90.13	95.76	106	98.90	110	68-130	58-140	3	0-30	
Methylene Chloride	86.84	80.80	93	83.52	96	69-130	59-140	3	0-30	
4-Methyl-2-Pentanone	102.4	112.2	110	120.5	118	70-130	60-140	7	0-30	
Styrene	106.5	121.6	114	126.4	119	65-131	54-142	4	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,1,2,2-Tetrachloroethane	171.6	176.6	103	182.4	106	63-130	52-141	3	0-30	
Tetrachloroethene	169.6	174.3	103	180.0	106	70-130	60-140	3	0-30	
Toluene	94.21	103.3	110	106.8	113	70-130	60-140	3	0-30	
1,2,4-Trichlorobenzene	185.5	215.5	116	223.9	121	31-151	11-171	4	0-30	
1,1,1-Trichloroethane	136.4	139.2	102	140.5	103	70-130	60-140	1	0-30	
1,1,2-Trichloroethane	136.4	138.0	101	147.0	108	70-130	60-140	6	0-30	
Trichloroethene	134.3	142.3	106	152.0	113	70-130	60-140	7	0-30	
Trichlorofluoromethane	140.5	152.0	108	151.8	108	63-141	50-154	0	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	192.7	101	196.0	102	70-136	59-147	2	0-30	
1,2,4-Trimethylbenzene	122.9	135.7	110	138.6	113	60-132	48-144	2	0-30	
1,3,5-Trimethylbenzene	122.9	143.8	117	148.2	121	62-130	51-141	3	0-30	
Vinyl Acetate	88.03	94.16	107	96.95	110	58-130	46-142	3	0-30	
Vinyl Chloride	63.91	66.98	105	68.61	107	70-134	59-145	2	0-30	
o-Xylene	108.6	122.4	113	126.7	117	69-130	59-140	3	0-30	
p/m-Xylene	217.1	245.6	113	252.0	116	70-132	60-142	3	0-30	

Total number of LCS compounds: 51
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-13573	**LCS**	**Air**	**GC/MS II**	**N/A**	**05/18/14 19:15**	**140518L01**
095-01-021-13573	**LCSD**	**Air**	**GC/MS II**	**N/A**	**05/19/14 14:43**	**140518L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	59.39	49.70	84	59.87	101	67-133	56-144	19	0-30	
Benzene	79.87	70.48	88	80.43	101	70-130	60-140	13	0-30	
Benzyl Chloride	129.4	128.5	99	142.1	110	38-158	18-178	10	0-30	
Bromodichloromethane	167.5	141.4	84	162.6	97	70-130	60-140	14	0-30	
Bromoform	258.4	228.7	89	248.3	96	63-147	49-161	8	0-30	
Bromomethane	97.08	79.52	82	98.90	102	70-139	58-150	22	0-30	
2-Butanone	73.73	66.40	90	76.30	103	66-132	55-143	14	0-30	
Carbon Disulfide	77.85	63.12	81	74.37	96	68-146	55-159	16	0-30	
Carbon Tetrachloride	157.3	131.3	83	147.8	94	70-136	59-147	12	0-30	
Chlorobenzene	115.1	99.49	86	110.1	96	70-130	60-140	10	0-30	
Chloroethane	65.96	54.44	83	65.97	100	65-149	51-163	19	0-30	
Chloroform	122.1	99.95	82	115.1	94	70-130	60-140	14	0-30	
Chloromethane	51.63	43.73	85	50.46	98	69-141	57-153	14	0-30	
Dibromochloromethane	213.0	184.6	87	204.5	96	70-138	59-149	10	0-30	
1,2-Dibromoethane	192.1	173.7	90	191.2	100	70-133	60-144	10	0-30	
1,2-Dichlorobenzene	150.3	139.4	93	153.3	102	48-138	33-153	9	0-30	
1,3-Dichlorobenzene	150.3	137.3	91	151.1	101	56-134	43-147	10	0-30	
1,4-Dichlorobenzene	150.3	141.0	94	156.7	104	52-136	38-150	11	0-30	
Dichlorodifluoromethane	123.6	84.64	68	111.2	90	67-139	55-151	27	0-30	
1,1-Dichloroethane	101.2	85.51	85	97.01	96	70-130	60-140	13	0-30	
1,2-Dichloroethane	101.2	88.36	87	101.8	101	70-132	60-142	14	0-30	
1,1-Dichloroethene	99.12	81.78	83	110.1	111	70-135	59-146	30	0-30	
c-1,2-Dichloroethene	99.12	91.02	92	101.8	103	70-130	60-140	11	0-30	
t-1,2-Dichloroethene	99.12	87.80	89	95.43	96	70-130	60-140	8	0-30	
1,2-Dichloropropane	115.5	98.75	85	111.4	96	70-130	60-140	12	0-30	
c-1,3-Dichloropropene	113.5	111.2	98	128.7	113	70-130	60-140	15	0-30	
t-1,3-Dichloropropene	113.5	115.9	102	145.1	128	70-147	57-160	22	0-30	
Dichlorotetrafluoroethane	174.8	147.6	84	138.8	79	51-135	37-149	6	0-30	
Ethylbenzene	108.6	104.3	96	116.3	107	70-130	60-140	11	0-30	
4-Ethyltoluene	122.9	120.7	98	135.7	110	68-130	58-140	12	0-30	
Hexachloro-1,3-Butadiene	266.6	195.1	73	212.5	80	44-146	27-163	9	0-30	
2-Hexanone	102.4	95.33	93	104.8	102	70-136	59-147	9	0-30	
Methyl-t-Butyl Ether (MTBE)	90.13	81.75	91	90.93	101	68-130	58-140	11	0-30	
Methylene Chloride	86.84	68.70	79	80.78	93	69-130	59-140	16	0-30	
4-Methyl-2-Pentanone	102.4	92.62	90	101.6	99	70-130	60-140	9	0-30	
Styrene	106.5	98.42	92	103.1	97	65-131	54-142	5	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/16/14
Work Order: 14-05-1347
Preparation: N/A
Method: EPA TO-15

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,1,2,2-Tetrachloroethane	171.6	143.3	83	153.5	89	63-130	52-141	7	0-30	
Tetrachloroethene	169.6	141.7	84	157.0	93	70-130	60-140	10	0-30	
Toluene	94.21	83.74	89	96.27	102	70-130	60-140	14	0-30	
1,2,4-Trichlorobenzene	185.5	154.2	83	176.0	95	31-151	11-171	13	0-30	
1,1,1-Trichloroethane	136.4	116.7	86	129.9	95	70-130	60-140	11	0-30	
1,1,2-Trichloroethane	136.4	115.2	84	129.1	95	70-130	60-140	11	0-30	
Trichloroethene	134.3	119.1	89	134.2	100	70-130	60-140	12	0-30	
Trichlorofluoromethane	140.5	110.9	79	143.7	102	63-141	50-154	26	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	164.0	86	188.5	98	70-136	59-147	14	0-30	
1,2,4-Trimethylbenzene	122.9	110.7	90	120.4	98	60-132	48-144	8	0-30	
1,3,5-Trimethylbenzene	122.9	116.4	95	126.7	103	62-130	51-141	9	0-30	
Vinyl Acetate	88.03	79.09	90	82.39	94	58-130	46-142	4	0-30	
Vinyl Chloride	63.91	54.52	85	63.33	99	70-134	59-145	15	0-30	
o-Xylene	108.6	99.98	92	109.1	101	69-130	59-140	9	0-30	
p/m-Xylene	217.1	201.4	93	219.3	101	70-132	60-142	9	0-30	

Total number of LCS compounds: 51
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order: 14-05-1347

Sample Name	Vacuum Out	Vacuum In	Equipment	Description
SVP-5-10-051614	-29.60 in Hg	-2.58 in Hg	LC123	Summa Canister 1L
DUP-2-051614	-29.60 in Hg	-2.51 in Hg	LC624	Summa Canister 1L
SVP-8-5-051614	-29.60 in Hg	0.10 psi	LC421	Summa Canister 1L
SVP-8-9-051614	-29.60 in Hg	-1.07 in Hg	LC326	Summa Canister 1L
SVP-9-5-051614	-29.60 in Hg	-6.51 in Hg	LC165	Summa Canister 1L
SVP-9-10-051614	-29.60 in Hg	-3.83 in Hg	LC848	Summa Canister 1L
SVP-6-5-051614	-29.60 in Hg	-4.54 in Hg	SLC058	Summa Canister 1L
SVP-6-10-051614	-29.60 in Hg	-2.49 in Hg	SLC084	Summa Canister 1L
SVP-7-5-051614	-29.70 in Hg	-1.91 in Hg	LC804	Summa Canister 1L
SVP-7-10-051614	-29.60 in Hg	-0.68 in Hg	LC295	Summa Canister 1L

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Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 14-05-1347

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA TO-15	N/A	460	GC/MS II	2

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-05-1347 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 5/16/14
PAGE: 1 OF 1

LABORATORY CLIENT: Geosyntec Consultants	CLIENT PROJECT NAME / NUMBER: Panama St. / WR1806
ADDRESS: 1111 Broadway, 6th Floor	PROJECT ADDRESS: 12922 Panama St
CITY: Oakland STATE: CA ZIP: 94607	CITY: Los Angeles STATE: CA ZIP: 90066
TEL: (510) 285-2792 E-MAIL: rcheung@geosyntec.com dgandhi@geosyntec.com	PROJECT CONTACT: Robert Cheung / Deepa Gandhi
P.O.NO.: WR1806	LAB CONTACT OR QUOTE NO.
LAB USE ONLY: 14-05-1347	

TURNAROUND TIME: ☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Brian Cozzens / [signature], Ryan Smith / [signature]

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: 5-10-15

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Canister ID#	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	5-10-15
1	SVP-5-10-051614	SVP-5-10	SV	LC123	1L	A77	5/16/14	08:16	-29.68	5/16/14	08:26	-2.58	X
2	DUP-2-051614	—	SV	LC624	1L	A77	5/16/14	08:16	-29.66	5/16/14	08:26	-2.51	X
3	SVP-8-5-051614	SVP-8-5	SV	LC421	1L	A341	5/16/14	09:05	-29.64	5/16/14	09:11	0.10	X
4	SVP-8-9-051614	SVP-8-9	SV	LC326	1L	A171	5/16/14	09:32	-29.66	5/16/14	09:37	-1.07	X
5	SVP-9-5-051614	SVP-9-5	SV	LC165	1L	A351	5/16/14	10:01	-29.65	5/16/14	10:05	-6.51	X
6	SVP-9-10-051614	SVP-9-10	SV	LC848	1L	A325	5/16/14	10:23	-29.60	5/16/14	10:28	-3.83	X
7	SVP-6-5-051614	SVP-6-5	SV	LC098	1L	A17	5/16/14	12:18	-29.65	5/16/14	12:23	-4.54	X
8	SVP-6-10-051614	SVP-6-10	SV	LC084	1L	A407	5/16/14	12:42	-29.59	5/16/14	12:47	-2.49	X
9	SVP-7-5-051614	SVP-7-5	SV	LC804	1L	A111	5/16/14	13:26	-29.64	5/16/14	13:32	-1.91	X
10	SVP-7-10-051614	SVP-7-10	SV	LC295	1L	A495	5/16/14	13:53	-29.61	5/16/14	13:59	-0.68	X

Relinquished by: (Signature) [signature]	Received by: (Signature) [signature] CCL	Date: 5/16/14 Time: 1540
Relinquished by: (Signature) [signature]	Received by: (Signature) [signature] CCL	Date: 5/16/14 Time: 1810
Relinquished by: (Signature)	Received by: (Signature)	Date: Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

04/01/13 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-1 3 4 7

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: GeoSyntec Consultants DATE: 05/16/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature ____.____ °C - 0.3 °C (CF) = ____.____ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☑ Air ☐ Filter Checked by: 820

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A Checked by: 820

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 862

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 862

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 776

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 776

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-1347

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☐ Sample ID
  - ☑ Date and/or Time Collected
  - ☐ Project Information
  - ☐ # of Container(s)
  - ☐ Analysis
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ Water present in sample container
  - ☐ Broken
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (Not transferred - duplicate bag submitted)
  - ☐ Leaking (transferred into Calscience Tedlar® Bag*)
  - ☐ Leaking (transferred into Client's Tedlar® Bag*)
- ☐ **Other:** _____

Comments:

(-7) collection time per label is 12:33

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: BZ 05/16/14

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Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-05-1218

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: Panama St. / WR1806

Attention: Robert Cheung
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Approved for release on 05/16/2014 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 14-05-1218

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-05-1218 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 05/15/14. They were assigned to Work Order 14-05-1218.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	Geosyntec Consultants	Work Order:	14-05-1218
	1111 Broadway, FL 6TH	Project Name:	Panama St. / WR1806
	Oakland, CA 94607-4172	PO Number:	
		Date/Time Received:	05/15/14 18:20
		Number of Containers:	10
Attn:	Robert Cheung		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
SVP-1-5-051514	14-05-1218-1	05/15/14 09:46	1	Air
SVP-1-8.5-051514	14-05-1218-2	05/15/14 10:44	1	Air
SVP-2-5-051514	14-05-1218-3	05/15/14 11:32	1	Air
SVP-2-8.5-051514	14-05-1218-4	05/15/14 12:06	1	Air
SVP-4-10-051514	14-05-1218-5	05/15/14 13:04	1	Air
SVP-3-5-051514	14-05-1218-6	05/15/14 13:44	1	Air
SVP-3-10-051514	14-05-1218-7	05/15/14 14:45	1	Air
SVP-4-5-051514	14-05-1218-8	05/15/14 16:14	1	Air
DUP-1-051514	14-05-1218-9	05/15/14 16:14	1	Air
SVP-5-5-051514	14-05-1218-10	05/15/14 15:49	1	Air

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Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1218
Project Name: Panama St. / WR1806
Received: 05/15/14

Attn: Robert Cheung

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-1-5-051514 (14-05-1218-1)						
Acetone	100		24	ug/m3	EPA TO-15	N/A
Benzene	18		8.0	ug/m3	EPA TO-15	N/A
Carbon Disulfide	53		31	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	210		12	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	25		10	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	11		9.9	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	1700		9.9	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	73		9.9	ug/m3	EPA TO-15	N/A
Ethylbenzene	24		11	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	53		12	ug/m3	EPA TO-15	N/A
Methyl-t-Butyl Ether (MTBE)	91		36	ug/m3	EPA TO-15	N/A
Toluene	25		9.4	ug/m3	EPA TO-15	N/A
Trichloroethene	24		13	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	190		37	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	60		12	ug/m3	EPA TO-15	N/A
Vinyl Chloride	100		6.4	ug/m3	EPA TO-15	N/A
o-Xylene	43		11	ug/m3	EPA TO-15	N/A
p/m-Xylene	120		43	ug/m3	EPA TO-15	N/A

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Attn: Robert Cheung

Work Order: 14-05-1218
Project Name: Panama St. / WR1806
Received: 05/15/14

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-1-8.5-051514 (14-05-1218-2)						
Acetone	110		4.8	ug/m3	EPA TO-15	N/A
Benzene	35		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	24		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	57		6.2	ug/m3	EPA TO-15	N/A
Chlorobenzene	6.0		2.3	ug/m3	EPA TO-15	N/A
Chloromethane	1.1		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	97		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	22		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	11		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	1600		40	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	65		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	32		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	32		2.5	ug/m3	EPA TO-15	N/A
Methyl-t-Butyl Ether (MTBE)	78		7.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	7.8		3.4	ug/m3	EPA TO-15	N/A
Toluene	48		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	32		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	33		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	79		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	31		2.5	ug/m3	EPA TO-15	N/A
Vinyl Chloride	86		1.3	ug/m3	EPA TO-15	N/A
o-Xylene	40		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	130		8.7	ug/m3	EPA TO-15	N/A

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1218
Project Name: Panama St. / WR1806
Received: 05/15/14

Attn: Robert Cheung

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-2-5-051514 (14-05-1218-3)						
Acetone	45		4.8	ug/m3	EPA TO-15	N/A
Benzene	46		1.6	ug/m3	EPA TO-15	N/A
Bromodichloromethane	6.7		3.4	ug/m3	EPA TO-15	N/A
2-Butanone	7.5		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	35		6.2	ug/m3	EPA TO-15	N/A
Chlorobenzene	6.2		2.3	ug/m3	EPA TO-15	N/A
Chloroform	13		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	56		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	7.7		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	2.2		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	120		2.0	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	2.0		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	34		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	3.8		2.5	ug/m3	EPA TO-15	N/A
Methyl-t-Butyl Ether (MTBE)	16		7.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	8.8		3.4	ug/m3	EPA TO-15	N/A
Toluene	97		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	55		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	260		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	13		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	4.1		2.5	ug/m3	EPA TO-15	N/A
Vinyl Chloride	5.7		1.3	ug/m3	EPA TO-15	N/A
o-Xylene	53		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	140		8.7	ug/m3	EPA TO-15	N/A

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1218
Project Name: Panama St. / WR1806
Received: 05/15/14

Attn: Robert Cheung

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-2-8.5-051514 (14-05-1218-4)						
Acetone	27		4.8	ug/m3	EPA TO-15	N/A
Benzene	9.8		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	5.0		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	23		6.2	ug/m3	EPA TO-15	N/A
Chloromethane	1.1		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	39		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	3.1		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	49		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	40		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	2.9		2.5	ug/m3	EPA TO-15	N/A
Methyl-t-Butyl Ether (MTBE)	8.0		7.2	ug/m3	EPA TO-15	N/A
Tetrachloroethene	6.9		3.4	ug/m3	EPA TO-15	N/A
Toluene	63		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	75		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	220		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	8.5		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	2.8		2.5	ug/m3	EPA TO-15	N/A
Vinyl Chloride	2.3		1.3	ug/m3	EPA TO-15	N/A
o-Xylene	260		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	600		8.7	ug/m3	EPA TO-15	N/A
SVP-4-10-051514 (14-05-1218-5)						
Benzene	80		16	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	540		25	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	600		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	95		20	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	6100		50	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	130		20	ug/m3	EPA TO-15	N/A
Ethylbenzene	41		22	ug/m3	EPA TO-15	N/A
Tetrachloroethene	46		34	ug/m3	EPA TO-15	N/A
Toluene	220		19	ug/m3	EPA TO-15	N/A
Trichloroethene	290		27	ug/m3	EPA TO-15	N/A
Vinyl Chloride	780		13	ug/m3	EPA TO-15	N/A
o-Xylene	40		22	ug/m3	EPA TO-15	N/A
p/m-Xylene	140		87	ug/m3	EPA TO-15	N/A

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Attn: Robert Cheung

Work Order: 14-05-1218
Project Name: Panama St. / WR1806
Received: 05/15/14

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-3-5-051514 (14-05-1218-6)						
Benzene	50		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	15		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	95		6.2	ug/m3	EPA TO-15	N/A
Chlorobenzene	5.9		2.3	ug/m3	EPA TO-15	N/A
Chloroethane	2.0		1.3	ug/m3	EPA TO-15	N/A
Chloroform	6.7		2.4	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	130		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	120		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	23		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	2200		25	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	52		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	14		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	4.3		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	8.2		3.4	ug/m3	EPA TO-15	N/A
Toluene	77		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	33		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	51		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	15		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	4.5		2.5	ug/m3	EPA TO-15	N/A
Vinyl Chloride	180		1.3	ug/m3	EPA TO-15	N/A
o-Xylene	20		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	53		8.7	ug/m3	EPA TO-15	N/A

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1218
Project Name: Panama St. / WR1806
Received: 05/15/14

Attn: Robert Cheung

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
SVP-3-10-051514 (14-05-1218-7)						
Acetone	36		4.8	ug/m3	EPA TO-15	N/A
Benzene	69		1.6	ug/m3	EPA TO-15	N/A
2-Butanone	5.9		4.4	ug/m3	EPA TO-15	N/A
Carbon Disulfide	200		6.2	ug/m3	EPA TO-15	N/A
Carbon Tetrachloride	3.6		3.1	ug/m3	EPA TO-15	N/A
Chlorobenzene	3.2		2.3	ug/m3	EPA TO-15	N/A
Chloroform	8.6		2.4	ug/m3	EPA TO-15	N/A
Chloromethane	3.1		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	110		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	69		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	14		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	1300		16	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	33		2.0	ug/m3	EPA TO-15	N/A
Ethylbenzene	42		2.2	ug/m3	EPA TO-15	N/A
4-Ethyltoluene	8.0		2.5	ug/m3	EPA TO-15	N/A
Tetrachloroethene	6.3		3.4	ug/m3	EPA TO-15	N/A
Toluene	220		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	31		2.7	ug/m3	EPA TO-15	N/A
1,1,2-Trichloro-1,2,2-Trifluoroethane	27		11	ug/m3	EPA TO-15	N/A
1,2,4-Trimethylbenzene	20		7.4	ug/m3	EPA TO-15	N/A
1,3,5-Trimethylbenzene	7.5		2.5	ug/m3	EPA TO-15	N/A
Vinyl Chloride	170		1.3	ug/m3	EPA TO-15	N/A
o-Xylene	55		2.2	ug/m3	EPA TO-15	N/A
p/m-Xylene	160		8.7	ug/m3	EPA TO-15	N/A
SVP-4-5-051514 (14-05-1218-8)						
Acetone	39		4.8	ug/m3	EPA TO-15	N/A
Benzene	4.5		1.6	ug/m3	EPA TO-15	N/A
Chloromethane	1.6		1.0	ug/m3	EPA TO-15	N/A
Dichlorodifluoromethane	3.4		2.5	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	22		2.0	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	4.5		2.0	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	340		2.0	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	5.4		2.0	ug/m3	EPA TO-15	N/A
Toluene	7.9		1.9	ug/m3	EPA TO-15	N/A
Trichloroethene	6.1		2.7	ug/m3	EPA TO-15	N/A
Vinyl Chloride	36		1.3	ug/m3	EPA TO-15	N/A

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* MDL is shown

Calscience Environmental Laboratories, Inc.

Detections Summary

Client: Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Work Order: 14-05-1218
Project Name: Panama St. / WR1806
Received: 05/15/14

Attn: Robert Cheung

Client SampleID

Analyte	Result	Qualifiers	RL	Units	Method	Extraction
DUP-1-051514 (14-05-1218-9)						
Acetone	52		48	ug/m3	EPA TO-15	N/A
Benzene	51		16	ug/m3	EPA TO-15	N/A
1,1-Dichloroethane	440		20	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	120		20	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	7800		53	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	99		20	ug/m3	EPA TO-15	N/A
Toluene	45		19	ug/m3	EPA TO-15	N/A
Trichloroethene	120		27	ug/m3	EPA TO-15	N/A
Vinyl Chloride	710		13	ug/m3	EPA TO-15	N/A
SVP-5-5-051514 (14-05-1218-10)						
1,1-Dichloroethane	580		81	ug/m3	EPA TO-15	N/A
1,1-Dichloroethene	81		79	ug/m3	EPA TO-15	N/A
c-1,2-Dichloroethene	6900		79	ug/m3	EPA TO-15	N/A
t-1,2-Dichloroethene	120		79	ug/m3	EPA TO-15	N/A
Trichloroethene	270		110	ug/m3	EPA TO-15	N/A
Vinyl Chloride	690		51	ug/m3	EPA TO-15	N/A

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Subcontracted analyses, if any, are not included in this summary.

* MDL is shown

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1-5-051514	**14-05-1218-1-A**	**05/15/14 09:46**	**Air**	**GC/MS II**	**N/A**	**05/16/14 09:16**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	100	24	5.00	
Benzene	18	8.0	5.00	
Benzyl Chloride	ND	39	5.00	
Bromodichloromethane	ND	17	5.00	
Bromoform	ND	26	5.00	
Bromomethane	ND	9.7	5.00	
2-Butanone	ND	22	5.00	
Carbon Disulfide	53	31	5.00	
Carbon Tetrachloride	ND	16	5.00	
Chlorobenzene	ND	12	5.00	
Chloroethane	ND	6.6	5.00	
Chloroform	ND	12	5.00	
Chloromethane	ND	5.2	5.00	
Dibromochloromethane	ND	21	5.00	
1,2-Dibromoethane	ND	19	5.00	
1,2-Dichlorobenzene	ND	15	5.00	
1,3-Dichlorobenzene	ND	15	5.00	
1,4-Dichlorobenzene	ND	15	5.00	
Dichlorodifluoromethane	210	12	5.00	
1,1-Dichloroethane	25	10	5.00	
1,2-Dichloroethane	ND	10	5.00	
1,1-Dichloroethene	11	9.9	5.00	
c-1,2-Dichloroethene	1700	9.9	5.00	
t-1,2-Dichloroethene	73	9.9	5.00	
1,2-Dichloropropane	ND	12	5.00	
c-1,3-Dichloropropene	ND	11	5.00	
t-1,3-Dichloropropene	ND	23	5.00	
Dichlorotetrafluoroethane	ND	70	5.00	
Ethylbenzene	24	11	5.00	
4-Ethyltoluene	53	12	5.00	
Hexachloro-1,3-Butadiene	ND	80	5.00	
2-Hexanone	ND	31	5.00	
Methyl-t-Butyl Ether (MTBE)	91	36	5.00	
Methylene Chloride	ND	87	5.00	
4-Methyl-2-Pentanone	ND	31	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received:	05/15/14
Work Order:	14-05-1218
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	32	5.00	
1,1,2,2-Tetrachloroethane	ND	34	5.00	
Tetrachloroethene	ND	17	5.00	
Toluene	25	9.4	5.00	
1,2,4-Trichlorobenzene	ND	74	5.00	
1,1,1-Trichloroethane	ND	14	5.00	
1,1,2-Trichloroethane	ND	14	5.00	
Trichloroethene	24	13	5.00	
Trichlorofluoromethane	ND	28	5.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	57	5.00	
1,2,4-Trimethylbenzene	190	37	5.00	
1,3,5-Trimethylbenzene	60	12	5.00	
Vinyl Acetate	ND	35	5.00	
Vinyl Chloride	100	6.4	5.00	
o-Xylene	43	11	5.00	
p/m-Xylene	120	43	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-134	
1,2-Dichloroethane-d4	92	67-133	
Toluene-d8	95	70-130	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1-8.5-051514	**14-05-1218-2-A**	**05/15/14 10:44**	**Air**	**GC/MS II**	**N/A**	**05/16/14 10:11**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	110	4.8	1.00	
Benzene	35	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	24	4.4	1.00	
Carbon Disulfide	57	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	6.0	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	1.1	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	97	2.5	1.00	
1,1-Dichloroethane	22	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	11	2.0	1.00	
t-1,2-Dichloroethene	65	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	32	2.2	1.00	
4-Ethyltoluene	32	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	78	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	
Styrene	ND	6.4	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Parameter	Result	RL	DF	Qualifiers
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	7.8	3.4	1.00	
Toluene	48	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	32	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	33	11	1.00	
1,2,4-Trimethylbenzene	79	7.4	1.00	
1,3,5-Trimethylbenzene	31	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	86	1.3	1.00	
o-Xylene	40	2.2	1.00	
p/m-Xylene	130	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	105	68-134	
1,2-Dichloroethane-d4	93	67-133	
Toluene-d8	98	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1-8.5-051514	**14-05-1218-2-A**	**05/15/14 10:44**	**Air**	**GC/MS II**	**N/A**	**05/16/14 04:16**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
c-1,2-Dichloroethene	1600	40	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	68-134	
1,2-Dichloroethane-d4	97	67-133	
Toluene-d8	96	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2-5-051514	**14-05-1218-3-A**	**05/15/14 11:32**	**Air**	**GC/MS II**	**N/A**	**05/16/14 11:06**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	45	4.8	1.00	
Benzene	46	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	6.7	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	7.5	4.4	1.00	
Carbon Disulfide	35	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	6.2	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	13	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	56	2.5	1.00	
1,1-Dichloroethane	7.7	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	2.2	2.0	1.00	
c-1,2-Dichloroethene	120	2.0	1.00	
t-1,2-Dichloroethene	2.0	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	34	2.2	1.00	
4-Ethyltoluene	3.8	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	16	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	8.8	3.4	1.00	
Toluene	97	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	55	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	260	11	1.00	
1,2,4-Trimethylbenzene	13	7.4	1.00	
1,3,5-Trimethylbenzene	4.1	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	5.7	1.3	1.00	
o-Xylene	53	2.2	1.00	
p/m-Xylene	140	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	68-134	
1,2-Dichloroethane-d4	93	67-133	
Toluene-d8	103	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2-8.5-051514	**14-05-1218-4-A**	**05/15/14 12:06**	**Air**	**GC/MS II**	**N/A**	**05/16/14 11:57**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	27	4.8	1.00	
Benzene	9.8	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	5.0	4.4	1.00	
Carbon Disulfide	23	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	1.1	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	39	2.5	1.00	
1,1-Dichloroethane	3.1	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	49	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	40	2.2	1.00	
4-Ethyltoluene	2.9	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	8.0	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	6.9	3.4	1.00	
Toluene	63	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	75	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	220	11	1.00	
1,2,4-Trimethylbenzene	8.5	7.4	1.00	
1,3,5-Trimethylbenzene	2.8	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	2.3	1.3	1.00	
o-Xylene	260	2.2	1.00	
p/m-Xylene	600	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	68-134	
1,2-Dichloroethane-d4	92	67-133	
Toluene-d8	101	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-4-10-051514	**14-05-1218-5-A**	**05/15/14 13:04**	**Air**	**GC/MS II**	**N/A**	**05/16/14 06:40**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	48	10.0	
Benzene	80	16	10.0	
Benzyl Chloride	ND	78	10.0	
Bromodichloromethane	ND	34	10.0	
Bromoform	ND	52	10.0	
Bromomethane	ND	19	10.0	
2-Butanone	ND	44	10.0	
Carbon Disulfide	ND	62	10.0	
Carbon Tetrachloride	ND	31	10.0	
Chlorobenzene	ND	23	10.0	
Chloroethane	ND	13	10.0	
Chloroform	ND	24	10.0	
Chloromethane	ND	10	10.0	
Dibromochloromethane	ND	43	10.0	
1,2-Dibromoethane	ND	38	10.0	
1,2-Dichlorobenzene	ND	30	10.0	
1,3-Dichlorobenzene	ND	30	10.0	
1,4-Dichlorobenzene	ND	30	10.0	
Dichlorodifluoromethane	540	25	10.0	
1,1-Dichloroethane	600	20	10.0	
1,2-Dichloroethane	ND	20	10.0	
1,1-Dichloroethene	95	20	10.0	
t-1,2-Dichloroethene	130	20	10.0	
1,2-Dichloropropane	ND	23	10.0	
c-1,3-Dichloropropene	ND	23	10.0	
t-1,3-Dichloropropene	ND	45	10.0	
Dichlorotetrafluoroethane	ND	140	10.0	
Ethylbenzene	41	22	10.0	
4-Ethyltoluene	ND	25	10.0	
Hexachloro-1,3-Butadiene	ND	160	10.0	
2-Hexanone	ND	61	10.0	
Methyl-t-Butyl Ether (MTBE)	ND	72	10.0	
Methylene Chloride	ND	170	10.0	
4-Methyl-2-Pentanone	ND	61	10.0	
Styrene	ND	64	10.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1,2,2-Tetrachloroethane	ND	69	10.0	
Tetrachloroethene	46	34	10.0	
Toluene	220	19	10.0	
1,2,4-Trichlorobenzene	ND	150	10.0	
1,1,1-Trichloroethane	ND	27	10.0	
1,1,2-Trichloroethane	ND	27	10.0	
Trichloroethene	290	27	10.0	
Trichlorofluoromethane	ND	56	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	110	10.0	
1,2,4-Trimethylbenzene	ND	74	10.0	
1,3,5-Trimethylbenzene	ND	25	10.0	
Vinyl Acetate	ND	70	10.0	
Vinyl Chloride	780	13	10.0	
o-Xylene	40	22	10.0	
p/m-Xylene	140	87	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	103	68-134	
1,2-Dichloroethane-d4	99	67-133	
Toluene-d8	99	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-4-10-051514	**14-05-1218-5-A**	**05/15/14 13:04**	**Air**	**GC/MS II**	**N/A**	**05/16/14 12:44**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
c-1,2-Dichloroethene	6100	50	25.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	91	68-134	
1,2-Dichloroethane-d4	94	67-133	
Toluene-d8	102	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3-5-051514	**14-05-1218-6-A**	**05/15/14 13:44**	**Air**	**GC/MS II**	**N/A**	**05/16/14 07:32**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	4.8	1.00	
Benzene	50	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	15	4.4	1.00	
Carbon Disulfide	95	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	5.9	2.3	1.00	
Chloroethane	2.0	1.3	1.00	
Chloroform	6.7	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	130	2.5	1.00	
1,1-Dichloroethane	120	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	23	2.0	1.00	
t-1,2-Dichloroethene	52	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	14	2.2	1.00	
4-Ethyltoluene	4.3	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	
Styrene	ND	6.4	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	8.2	3.4	1.00	
Toluene	77	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	33	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	51	11	1.00	
1,2,4-Trimethylbenzene	15	7.4	1.00	
1,3,5-Trimethylbenzene	4.5	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	180	1.3	1.00	
o-Xylene	20	2.2	1.00	
p/m-Xylene	53	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	68-134	
1,2-Dichloroethane-d4	99	67-133	
Toluene-d8	102	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3-5-051514	**14-05-1218-6-A**	**05/15/14 13:44**	**Air**	**GC/MS II**	**N/A**	**05/16/14 13:32**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
c-1,2-Dichloroethene	2200	25	12.5	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	68-134	
1,2-Dichloroethane-d4	94	67-133	
Toluene-d8	99	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3-10-051514	**14-05-1218-7-A**	**05/15/14 14:45**	**Air**	**GC/MS II**	**N/A**	**05/16/14 08:28**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	36	4.8	1.00	
Benzene	69	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	5.9	4.4	1.00	
Carbon Disulfide	200	6.2	1.00	
Carbon Tetrachloride	3.6	3.1	1.00	
Chlorobenzene	3.2	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	8.6	2.4	1.00	
Chloromethane	3.1	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	110	2.5	1.00	
1,1-Dichloroethane	69	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	14	2.0	1.00	
t-1,2-Dichloroethene	33	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	42	2.2	1.00	
4-Ethyltoluene	8.0	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	
Styrene	ND	6.4	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received:	05/15/14
Work Order:	14-05-1218
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Parameter	Result	RL	DF	Qualifiers
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	6.3	3.4	1.00	
Toluene	220	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	31	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	27	11	1.00	
1,2,4-Trimethylbenzene	20	7.4	1.00	
1,3,5-Trimethylbenzene	7.5	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	170	1.3	1.00	
o-Xylene	55	2.2	1.00	
p/m-Xylene	160	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	68-134	
1,2-Dichloroethane-d4	94	67-133	
Toluene-d8	96	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3-10-051514	**14-05-1218-7-A**	**05/15/14 14:45**	**Air**	**GC/MS II**	**N/A**	**05/16/14 14:21**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
c-1,2-Dichloroethene	1300	16	8.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	68-134	
1,2-Dichloroethane-d4	95	67-133	
Toluene-d8	102	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-4-5-051514	**14-05-1218-8-A**	**05/15/14 16:14**	**Air**	**GC/MS AA**	**N/A**	**05/16/14 09:10**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	39	4.8	1.00	
Benzene	4.5	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	ND	4.4	1.00	
Carbon Disulfide	ND	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	1.6	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	3.4	2.5	1.00	
1,1-Dichloroethane	22	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	4.5	2.0	1.00	
c-1,2-Dichloroethene	340	2.0	1.00	
t-1,2-Dichloroethene	5.4	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	ND	2.2	1.00	
4-Ethyltoluene	ND	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received:	05/15/14
Work Order:	14-05-1218
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	ND	3.4	1.00	
Toluene	7.9	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	6.1	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
1,2,4-Trimethylbenzene	ND	7.4	1.00	
1,3,5-Trimethylbenzene	ND	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	36	1.3	1.00	
o-Xylene	ND	2.2	1.00	
p/m-Xylene	ND	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	68-134	
1,2-Dichloroethane-d4	105	67-133	
Toluene-d8	96	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-1-051514	**14-05-1218-9-A**	**05/15/14 16:14**	**Air**	**GC/MS AA**	**N/A**	**05/16/14 08:20**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	52	48	10.0	
Benzene	51	16	10.0	
Benzyl Chloride	ND	78	10.0	
Bromodichloromethane	ND	34	10.0	
Bromoform	ND	52	10.0	
Bromomethane	ND	19	10.0	
2-Butanone	ND	44	10.0	
Carbon Disulfide	ND	62	10.0	
Carbon Tetrachloride	ND	31	10.0	
Chlorobenzene	ND	23	10.0	
Chloroethane	ND	13	10.0	
Chloroform	ND	24	10.0	
Chloromethane	ND	10	10.0	
Dibromochloromethane	ND	43	10.0	
1,2-Dibromoethane	ND	38	10.0	
1,2-Dichlorobenzene	ND	30	10.0	
1,3-Dichlorobenzene	ND	30	10.0	
1,4-Dichlorobenzene	ND	30	10.0	
Dichlorodifluoromethane	ND	25	10.0	
1,1-Dichloroethane	440	20	10.0	
1,2-Dichloroethane	ND	20	10.0	
1,1-Dichloroethene	120	20	10.0	
t-1,2-Dichloroethene	99	20	10.0	
1,2-Dichloropropane	ND	23	10.0	
c-1,3-Dichloropropene	ND	23	10.0	
t-1,3-Dichloropropene	ND	45	10.0	
Dichlorotetrafluoroethane	ND	140	10.0	
Ethylbenzene	ND	22	10.0	
4-Ethyltoluene	ND	25	10.0	
Hexachloro-1,3-Butadiene	ND	160	10.0	
2-Hexanone	ND	61	10.0	
Methyl-t-Butyl Ether (MTBE)	ND	72	10.0	
Methylene Chloride	ND	170	10.0	
4-Methyl-2-Pentanone	ND	61	10.0	
Styrene	ND	64	10.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1,2,2-Tetrachloroethane	ND	69	10.0	
Tetrachloroethene	ND	34	10.0	
Toluene	45	19	10.0	
1,2,4-Trichlorobenzene	ND	150	10.0	
1,1,1-Trichloroethane	ND	27	10.0	
1,1,2-Trichloroethane	ND	27	10.0	
Trichloroethene	120	27	10.0	
Trichlorofluoromethane	ND	56	10.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	110	10.0	
1,2,4-Trimethylbenzene	ND	74	10.0	
1,3,5-Trimethylbenzene	ND	25	10.0	
Vinyl Acetate	ND	70	10.0	
Vinyl Chloride	710	13	10.0	
o-Xylene	ND	22	10.0	
p/m-Xylene	ND	87	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	110	68-134	
1,2-Dichloroethane-d4	120	67-133	
Toluene-d8	102	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-1-051514	**14-05-1218-9-A**	**05/15/14 16:14**	**Air**	**GC/MS AA**	**N/A**	**05/16/14 10:46**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
c-1,2-Dichloroethene	7800	53	26.6	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	112	68-134	
1,2-Dichloroethane-d4	120	67-133	
Toluene-d8	104	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-5-5-051514	**14-05-1218-10-A**	**05/15/14 15:49**	**Air**	**GC/MS YY**	**N/A**	**05/16/14 15:51**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	190	40.0	
Benzene	ND	64	40.0	
Benzyl Chloride	ND	310	40.0	
Bromodichloromethane	ND	130	40.0	
Bromoform	ND	210	40.0	
Bromomethane	ND	78	40.0	
2-Butanone	ND	180	40.0	
Carbon Disulfide	ND	250	40.0	
Carbon Tetrachloride	ND	130	40.0	
Chlorobenzene	ND	92	40.0	
Chloroethane	ND	53	40.0	
Chloroform	ND	98	40.0	
Chloromethane	ND	41	40.0	
Dibromochloromethane	ND	170	40.0	
1,2-Dibromoethane	ND	150	40.0	
1,2-Dichlorobenzene	ND	120	40.0	
1,3-Dichlorobenzene	ND	120	40.0	
1,4-Dichlorobenzene	ND	120	40.0	
Dichlorodifluoromethane	ND	99	40.0	
1,1-Dichloroethane	580	81	40.0	
1,2-Dichloroethane	ND	81	40.0	
1,1-Dichloroethene	81	79	40.0	
c-1,2-Dichloroethene	6900	79	40.0	
t-1,2-Dichloroethene	120	79	40.0	
1,2-Dichloropropane	ND	92	40.0	
c-1,3-Dichloropropene	ND	91	40.0	
t-1,3-Dichloropropene	ND	180	40.0	
Dichlorotetrafluoroethane	ND	560	40.0	
Ethylbenzene	ND	87	40.0	
4-Ethyltoluene	ND	98	40.0	
Hexachloro-1,3-Butadiene	ND	640	40.0	
2-Hexanone	ND	250	40.0	
Methyl-t-Butyl Ether (MTBE)	ND	290	40.0	
Methylene Chloride	ND	690	40.0	
4-Methyl-2-Pentanone	ND	250	40.0	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received:	05/15/14
Work Order:	14-05-1218
Preparation:	N/A
Method:	EPA TO-15
Units:	ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	260	40.0	
1,1,2,2-Tetrachloroethane	ND	270	40.0	
Tetrachloroethene	ND	140	40.0	
Toluene	ND	75	40.0	
1,2,4-Trichlorobenzene	ND	590	40.0	
1,1,1-Trichloroethane	ND	110	40.0	
1,1,2-Trichloroethane	ND	110	40.0	
Trichloroethene	270	110	40.0	
Trichlorofluoromethane	ND	220	40.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	460	40.0	
1,2,4-Trimethylbenzene	ND	290	40.0	
1,3,5-Trimethylbenzene	ND	98	40.0	
Vinyl Acetate	ND	280	40.0	
Vinyl Chloride	690	51	40.0	
o-Xylene	ND	87	40.0	
p/m-Xylene	ND	350	40.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	68-134	
1,2-Dichloroethane-d4	97	67-133	
Toluene-d8	98	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-13559**	**N/A**	**Air**	**GC/MS AA**	**N/A**	**05/15/14 17:15**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	4.8	1.00	
Benzene	ND	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	ND	4.4	1.00	
Carbon Disulfide	ND	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	ND	2.2	1.00	
4-Ethyltoluene	ND	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	ND	3.4	1.00	
Toluene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	ND	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
1,2,4-Trimethylbenzene	ND	7.4	1.00	
1,3,5-Trimethylbenzene	ND	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	ND	2.2	1.00	
p/m-Xylene	ND	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	68-134	
1,2-Dichloroethane-d4	101	67-133	
Toluene-d8	94	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-13560**	**N/A**	**Air**	**GC/MS II**	**N/A**	**05/15/14 21:44**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	4.8	1.00	
Benzene	ND	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	ND	4.4	1.00	
Carbon Disulfide	ND	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	ND	2.2	1.00	
4-Ethyltoluene	ND	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	ND	3.4	1.00	
Toluene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	ND	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
1,2,4-Trimethylbenzene	ND	7.4	1.00	
1,3,5-Trimethylbenzene	ND	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	ND	2.2	1.00	
p/m-Xylene	ND	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	68-134	
1,2-Dichloroethane-d4	103	67-133	
Toluene-d8	101	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-13561**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**05/16/14 14:10**	**140515L01**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	4.8	1.00	
Benzene	ND	1.6	1.00	
Benzyl Chloride	ND	7.8	1.00	
Bromodichloromethane	ND	3.4	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	1.9	1.00	
2-Butanone	ND	4.4	1.00	
Carbon Disulfide	ND	6.2	1.00	
Carbon Tetrachloride	ND	3.1	1.00	
Chlorobenzene	ND	2.3	1.00	
Chloroethane	ND	1.3	1.00	
Chloroform	ND	2.4	1.00	
Chloromethane	ND	1.0	1.00	
Dibromochloromethane	ND	4.3	1.00	
1,2-Dibromoethane	ND	3.8	1.00	
1,2-Dichlorobenzene	ND	3.0	1.00	
1,3-Dichlorobenzene	ND	3.0	1.00	
1,4-Dichlorobenzene	ND	3.0	1.00	
Dichlorodifluoromethane	ND	2.5	1.00	
1,1-Dichloroethane	ND	2.0	1.00	
1,2-Dichloroethane	ND	2.0	1.00	
1,1-Dichloroethene	ND	2.0	1.00	
c-1,2-Dichloroethene	ND	2.0	1.00	
t-1,2-Dichloroethene	ND	2.0	1.00	
1,2-Dichloropropane	ND	2.3	1.00	
c-1,3-Dichloropropene	ND	2.3	1.00	
t-1,3-Dichloropropene	ND	4.5	1.00	
Dichlorotetrafluoroethane	ND	14	1.00	
Ethylbenzene	ND	2.2	1.00	
4-Ethyltoluene	ND	2.5	1.00	
Hexachloro-1,3-Butadiene	ND	16	1.00	
2-Hexanone	ND	6.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1.00	
Methylene Chloride	ND	17	1.00	
4-Methyl-2-Pentanone	ND	6.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
Styrene	ND	6.4	1.00	
1,1,2,2-Tetrachloroethane	ND	6.9	1.00	
Tetrachloroethene	ND	3.4	1.00	
Toluene	ND	1.9	1.00	
1,2,4-Trichlorobenzene	ND	15	1.00	
1,1,1-Trichloroethane	ND	2.7	1.00	
1,1,2-Trichloroethane	ND	2.7	1.00	
Trichloroethene	ND	2.7	1.00	
Trichlorofluoromethane	ND	5.6	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	11	1.00	
1,2,4-Trimethylbenzene	ND	7.4	1.00	
1,3,5-Trimethylbenzene	ND	2.5	1.00	
Vinyl Acetate	ND	7.0	1.00	
Vinyl Chloride	ND	1.3	1.00	
o-Xylene	ND	2.2	1.00	
p/m-Xylene	ND	8.7	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	68-134	
1,2-Dichloroethane-d4	98	67-133	
Toluene-d8	98	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-13559	**LCS**	**Air**	**GC/MS AA**	**N/A**	**05/15/14 14:39**	**140515L01**
095-01-021-13559	**LCSD**	**Air**	**GC/MS AA**	**N/A**	**05/15/14 15:30**	**140515L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	59.39	59.42	100	58.80	99	67-133	56-144	1	0-30	
Benzene	79.87	81.85	102	79.85	100	70-130	60-140	2	0-30	
Benzyl Chloride	129.4	152.3	118	145.2	112	38-158	18-178	5	0-30	
Bromodichloromethane	167.5	179.5	107	175.1	105	70-130	60-140	2	0-30	
Bromoform	258.4	296.7	115	286.1	111	63-147	49-161	4	0-30	
Bromomethane	97.08	102.6	106	101.8	105	70-139	58-150	1	0-30	
2-Butanone	73.73	72.35	98	73.07	99	66-132	55-143	1	0-30	
Carbon Disulfide	77.85	81.97	105	82.67	106	68-146	55-159	1	0-30	
Carbon Tetrachloride	157.3	167.9	107	161.7	103	70-136	59-147	4	0-30	
Chlorobenzene	115.1	114.0	99	111.3	97	70-130	60-140	2	0-30	
Chloroethane	65.96	63.00	96	63.53	96	65-149	51-163	1	0-30	
Chloroform	122.1	123.5	101	122.4	100	70-130	60-140	1	0-30	
Chloromethane	51.63	49.18	95	49.93	97	69-141	57-153	2	0-30	
Dibromochloromethane	213.0	232.1	109	224.2	105	70-138	59-149	3	0-30	
1,2-Dibromoethane	192.1	205.1	107	198.9	104	70-133	60-144	3	0-30	
1,2-Dichlorobenzene	150.3	156.4	104	149.4	99	48-138	33-153	5	0-30	
1,3-Dichlorobenzene	150.3	166.4	111	159.3	106	56-134	43-147	4	0-30	
1,4-Dichlorobenzene	150.3	161.3	107	155.5	103	52-136	38-150	4	0-30	
Dichlorodifluoromethane	123.6	116.3	94	118.2	96	67-139	55-151	2	0-30	
1,1-Dichloroethane	101.2	94.52	93	94.95	94	70-130	60-140	0	0-30	
1,2-Dichloroethane	101.2	97.70	97	97.11	96	70-132	60-142	1	0-30	
1,1-Dichloroethene	99.12	103.6	104	100.8	102	70-135	59-146	3	0-30	
c-1,2-Dichloroethene	99.12	100.3	101	100.6	102	70-130	60-140	0	0-30	
t-1,2-Dichloroethene	99.12	96.37	97	96.68	98	70-130	60-140	0	0-30	
1,2-Dichloropropane	115.5	110.3	95	109.2	95	70-130	60-140	1	0-30	
c-1,3-Dichloropropene	113.5	123.0	108	120.9	107	70-130	60-140	2	0-30	
t-1,3-Dichloropropene	113.5	136.8	121	134.2	118	70-147	57-160	2	0-30	
Dichlorotetrafluoroethane	174.8	149.1	85	147.7	85	51-135	37-149	1	0-30	
Ethylbenzene	108.6	115.3	106	111.8	103	70-130	60-140	3	0-30	
4-Ethyltoluene	122.9	130.0	106	126.4	103	68-130	58-140	3	0-30	
Hexachloro-1,3-Butadiene	266.6	246.9	93	238.4	89	44-146	27-163	4	0-30	
2-Hexanone	102.4	94.52	92	92.00	90	70-136	59-147	3	0-30	
Methyl-t-Butyl Ether (MTBE)	90.13	83.90	93	84.50	94	68-130	58-140	1	0-30	
Methylene Chloride	86.84	93.32	107	91.20	105	69-130	59-140	2	0-30	
4-Methyl-2-Pentanone	102.4	92.88	91	92.11	90	70-130	60-140	1	0-30	
Styrene	106.5	100.4	94	98.29	92	65-131	54-142	2	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,1,2,2-Tetrachloroethane	171.6	170.4	99	164.4	96	63-130	52-141	4	0-30	
Tetrachloroethene	169.6	184.2	109	180.0	106	70-130	60-140	2	0-30	
Toluene	94.21	98.89	105	96.26	102	70-130	60-140	3	0-30	
1,2,4-Trichlorobenzene	185.5	184.6	100	176.3	95	31-151	11-171	5	0-30	
1,1,1-Trichloroethane	136.4	135.7	100	133.7	98	70-130	60-140	1	0-30	
1,1,2-Trichloroethane	136.4	140.5	103	138.2	101	70-130	60-140	2	0-30	
Trichloroethene	134.3	143.2	107	140.5	105	70-130	60-140	2	0-30	
Trichlorofluoromethane	140.5	151.9	108	144.4	103	63-141	50-154	5	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	203.4	106	203.4	106	70-136	59-147	0	0-30	
1,2,4-Trimethylbenzene	122.9	125.1	102	120.0	98	60-132	48-144	4	0-30	
1,3,5-Trimethylbenzene	122.9	123.7	101	120.5	98	62-130	51-141	3	0-30	
Vinyl Acetate	88.03	84.39	96	85.50	97	58-130	46-142	1	0-30	
Vinyl Chloride	63.91	60.56	95	62.02	97	70-134	59-145	2	0-30	
o-Xylene	108.6	112.0	103	108.9	100	69-130	59-140	3	0-30	
p/m-Xylene	217.1	232.5	107	224.8	104	70-132	60-142	3	0-30	

Total number of LCS compounds: 51
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-13560	**LCS**	**Air**	**GC/MS II**	**N/A**	**05/15/14 19:13**	**140515L01**
095-01-021-13560	**LCSD**	**Air**	**GC/MS II**	**N/A**	**05/15/14 20:03**	**140515L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	59.39	66.69	112	61.19	103	67-133	56-144	9	0-30	
Benzene	79.87	88.11	110	85.03	106	70-130	60-140	4	0-30	
Benzyl Chloride	129.4	137.9	107	129.6	100	38-158	18-178	6	0-30	
Bromodichloromethane	167.5	168.0	100	163.2	97	70-130	60-140	3	0-30	
Bromoform	258.4	254.4	98	236.4	91	63-147	49-161	7	0-30	
Bromomethane	97.08	103.2	106	98.05	101	70-139	58-150	5	0-30	
2-Butanone	73.73	82.43	112	80.87	110	66-132	55-143	2	0-30	
Carbon Disulfide	77.85	76.47	98	75.28	97	68-146	55-159	2	0-30	
Carbon Tetrachloride	157.3	148.9	95	144.1	92	70-136	59-147	3	0-30	
Chlorobenzene	115.1	119.0	103	110.4	96	70-130	60-140	7	0-30	
Chloroethane	65.96	73.67	112	68.22	103	65-149	51-163	8	0-30	
Chloroform	122.1	119.2	98	116.6	96	70-130	60-140	2	0-30	
Chloromethane	51.63	55.46	107	53.60	104	69-141	57-153	3	0-30	
Dibromochloromethane	213.0	212.0	100	196.0	92	70-138	59-149	8	0-30	
1,2-Dibromoethane	192.1	206.3	107	190.2	99	70-133	60-144	8	0-30	
1,2-Dichlorobenzene	150.3	150.6	100	140.4	93	48-138	33-153	7	0-30	
1,3-Dichlorobenzene	150.3	150.3	100	139.4	93	56-134	43-147	7	0-30	
1,4-Dichlorobenzene	150.3	151.9	101	141.7	94	52-136	38-150	7	0-30	
Dichlorodifluoromethane	123.6	116.4	94	114.3	92	67-139	55-151	2	0-30	
1,1-Dichloroethane	101.2	104.7	103	103.2	102	70-130	60-140	2	0-30	
1,2-Dichloroethane	101.2	103.5	102	101.7	101	70-132	60-142	2	0-30	
1,1-Dichloroethene	99.12	111.0	112	100.1	101	70-135	59-146	10	0-30	
c-1,2-Dichloroethene	99.12	113.1	114	110.1	111	70-130	60-140	3	0-30	
t-1,2-Dichloroethene	99.12	109.2	110	107.3	108	70-130	60-140	2	0-30	
1,2-Dichloropropane	115.5	122.0	106	117.7	102	70-130	60-140	4	0-30	
c-1,3-Dichloropropene	113.5	136.4	120	131.4	116	70-130	60-140	4	0-30	
t-1,3-Dichloropropene	113.5	140.8	124	135.2	119	70-147	57-160	4	0-30	
Dichlorotetrafluoroethane	174.8	176.7	101	169.9	97	51-135	37-149	4	0-30	
Ethylbenzene	108.6	125.2	115	115.7	107	70-130	60-140	8	0-30	
4-Ethyltoluene	122.9	138.2	112	128.4	104	68-130	58-140	7	0-30	
Hexachloro-1,3-Butadiene	266.6	230.6	86	217.0	81	44-146	27-163	6	0-30	
2-Hexanone	102.4	118.7	116	110.2	108	70-136	59-147	7	0-30	
Methyl-t-Butyl Ether (MTBE)	90.13	101.7	113	98.98	110	68-130	58-140	3	0-30	
Methylene Chloride	86.84	84.09	97	81.22	94	69-130	59-140	3	0-30	
4-Methyl-2-Pentanone	102.4	115.2	112	111.5	109	70-130	60-140	3	0-30	
Styrene	106.5	117.3	110	109.0	102	65-131	54-142	7	0-30	

RPD: Relative Percent Difference. CL: Control Limits

Return to Contents

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,1,2,2-Tetrachloroethane	171.6	169.1	99	157.1	92	63-130	52-141	7	0-30	
Tetrachloroethene	169.6	171.4	101	153.8	91	70-130	60-140	11	0-30	
Toluene	94.21	102.7	109	94.40	100	70-130	60-140	8	0-30	
1,2,4-Trichlorobenzene	185.5	197.2	106	186.9	101	31-151	11-171	5	0-30	
1,1,1-Trichloroethane	136.4	137.6	101	133.3	98	70-130	60-140	3	0-30	
1,1,2-Trichloroethane	136.4	140.6	103	135.6	99	70-130	60-140	4	0-30	
Trichloroethene	134.3	143.9	107	139.4	104	70-130	60-140	3	0-30	
Trichlorofluoromethane	140.5	147.6	105	133.8	95	63-141	50-154	10	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	192.7	101	189.3	99	70-136	59-147	2	0-30	
1,2,4-Trimethylbenzene	122.9	122.1	99	113.6	92	60-132	48-144	7	0-30	
1,3,5-Trimethylbenzene	122.9	131.8	107	122.2	99	62-130	51-141	8	0-30	
Vinyl Acetate	88.03	98.66	112	96.65	110	58-130	46-142	2	0-30	
Vinyl Chloride	63.91	68.92	108	66.42	104	70-134	59-145	4	0-30	
o-Xylene	108.6	117.5	108	108.5	100	69-130	59-140	8	0-30	
p/m-Xylene	217.1	233.2	107	215.7	99	70-132	60-142	8	0-30	

Total number of LCS compounds: 51
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-13561	**LCS**	**Air**	**GC/MS YY**	**N/A**	**05/16/14 01:08**	**140515L01**
095-01-021-13561	**LCSD**	**Air**	**GC/MS YY**	**N/A**	**05/16/14 01:58**	**140515L01**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	59.39	63.69	107	68.99	116	67-133	56-144	8	0-30	
Benzene	79.87	89.62	112	89.55	112	70-130	60-140	0	0-30	
Benzyl Chloride	129.4	156.0	121	155.8	120	38-158	18-178	0	0-30	
Bromodichloromethane	167.5	186.0	111	185.9	111	70-130	60-140	0	0-30	
Bromoform	258.4	277.9	108	279.8	108	63-147	49-161	1	0-30	
Bromomethane	97.08	110.1	113	115.7	119	70-139	58-150	5	0-30	
2-Butanone	73.73	81.98	111	81.29	110	66-132	55-143	1	0-30	
Carbon Disulfide	77.85	90.45	116	90.06	116	68-146	55-159	0	0-30	
Carbon Tetrachloride	157.3	165.6	105	166.2	106	70-136	59-147	0	0-30	
Chlorobenzene	115.1	122.0	106	122.1	106	70-130	60-140	0	0-30	
Chloroethane	65.96	74.30	113	78.30	119	65-149	51-163	5	0-30	
Chloroform	122.1	130.3	107	129.5	106	70-130	60-140	1	0-30	
Chloromethane	51.63	60.00	116	62.98	122	69-141	57-153	5	0-30	
Dibromochloromethane	213.0	226.5	106	227.3	107	70-138	59-149	0	0-30	
1,2-Dibromoethane	192.1	207.5	108	208.2	108	70-133	60-144	0	0-30	
1,2-Dichlorobenzene	150.3	164.0	109	163.6	109	48-138	33-153	0	0-30	
1,3-Dichlorobenzene	150.3	164.4	109	163.4	109	56-134	43-147	1	0-30	
1,4-Dichlorobenzene	150.3	165.8	110	164.9	110	52-136	38-150	1	0-30	
Dichlorodifluoromethane	123.6	126.9	103	127.4	103	67-139	55-151	0	0-30	
1,1-Dichloroethane	101.2	111.8	110	111.1	110	70-130	60-140	1	0-30	
1,2-Dichloroethane	101.2	106.8	106	106.5	105	70-132	60-142	0	0-30	
1,1-Dichloroethene	99.12	112.0	113	111.5	113	70-135	59-146	0	0-30	
c-1,2-Dichloroethene	99.12	110.9	112	110.3	111	70-130	60-140	1	0-30	
t-1,2-Dichloroethene	99.12	106.7	108	106.2	107	70-130	60-140	0	0-30	
1,2-Dichloropropane	115.5	128.5	111	128.3	111	70-130	60-140	0	0-30	
c-1,3-Dichloropropene	113.5	132.9	117	133.0	117	70-130	60-140	0	0-30	
t-1,3-Dichloropropene	113.5	145.1	128	145.0	128	70-147	57-160	0	0-30	
Dichlorotetrafluoroethane	174.8	154.2	88	163.5	94	51-135	37-149	6	0-30	
Ethylbenzene	108.6	120.4	111	120.1	111	70-130	60-140	0	0-30	
4-Ethyltoluene	122.9	137.5	112	136.8	111	68-130	58-140	0	0-30	
Hexachloro-1,3-Butadiene	266.6	260.3	98	272.2	102	44-146	27-163	4	0-30	
2-Hexanone	102.4	113.8	111	113.9	111	70-136	59-147	0	0-30	
Methyl-t-Butyl Ether (MTBE)	90.13	102.9	114	102.5	114	68-130	58-140	0	0-30	
Methylene Chloride	86.84	93.50	108	92.84	107	69-130	59-140	1	0-30	
4-Methyl-2-Pentanone	102.4	114.2	112	114.1	111	70-130	60-140	0	0-30	
Styrene	106.5	111.4	105	111.4	105	65-131	54-142	0	0-30	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/15/14
Work Order: 14-05-1218
Preparation: N/A
Method: EPA TO-15

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
1,1,2,2-Tetrachloroethane	171.6	183.2	107	182.8	107	63-130	52-141	0	0-30	
Tetrachloroethene	169.6	180.4	106	181.6	107	70-130	60-140	1	0-30	
Toluene	94.21	103.1	109	103.0	109	70-130	60-140	0	0-30	
1,2,4-Trichlorobenzene	185.5	210.0	113	229.3	124	31-151	11-171	9	0-30	
1,1,1-Trichloroethane	136.4	143.2	105	143.3	105	70-130	60-140	0	0-30	
1,1,2-Trichloroethane	136.4	150.1	110	150.1	110	70-130	60-140	0	0-30	
Trichloroethene	134.3	140.0	104	139.5	104	70-130	60-140	0	0-30	
Trichlorofluoromethane	140.5	146.4	104	149.9	107	63-141	50-154	2	0-30	
1,1,2-Trichloro-1,2,2-Trifluoroethane	191.6	209.8	110	210.0	110	70-136	59-147	0	0-30	
1,2,4-Trimethylbenzene	122.9	130.0	106	129.3	105	60-132	48-144	1	0-30	
1,3,5-Trimethylbenzene	122.9	132.2	108	131.4	107	62-130	51-141	1	0-30	
Vinyl Acetate	88.03	88.48	101	87.96	100	58-130	46-142	1	0-30	
Vinyl Chloride	63.91	70.61	110	76.58	120	70-134	59-145	8	0-30	
o-Xylene	108.6	115.9	107	115.6	106	69-130	59-140	0	0-30	
p/m-Xylene	217.1	233.7	108	233.9	108	70-132	60-142	0	0-30	

Total number of LCS compounds: 51
Total number of ME compounds: 0
Total number of ME compounds allowed: 3
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Summa Canister Vacuum Summary

Work Order: 14-05-1218

Sample Name	Vacuum Out	Vacuum In	Equipment	Description
SVP-1-5-051514	-29.60 in Hg	-1.73 in Hg	LC056	Summa Canister 1L
SVP-1-8.5-051514	-29.60 in Hg	-1.31 in Hg	LC412	Summa Canister 1L
SVP-2-5-051514	-29.60 in Hg	-2.47 in Hg	LC229	Summa Canister 1L
SVP-2-8.5-051514	-29.70 in Hg	-3.22 in Hg	SLC038	Summa Canister 1L
SVP-4-10-051514	-29.70 in Hg	-1.00 in Hg	LC442	Summa Canister 1L
SVP-3-5-051514	-29.60 in Hg	-2.06 in Hg	LC231	Summa Canister 1L
SVP-3-10-051514	-29.60 in Hg	-2.86 in Hg	SLC020	Summa Canister 1L
SVP-4-5-051514	-29.60 in Hg	-3.38 in Hg	LC093	Summa Canister 1L
DUP-1-051514	-29.60 in Hg	-2.88 in Hg	LC372	Summa Canister 1L
SVP-5-5-051514	-29.60 in Hg	-2.74 in Hg	SLC045	Summa Canister 1L

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Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 14-05-1218 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA TO-15	N/A	846	GC/MS YY	2
EPA TO-15	N/A	866	GC/MS II	2
EPA TO-15	N/A	878	GC/MS AA	2

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-05-1218 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 FAX: (714) 894-7501

AIR CHAIN OF CUSTODY RECORD

DATE: 5/15/14
PAGE: 1 OF 1

LABORATORY CLIENT: Geosyntec Consultants
ADDRESS: 1111 Broadway, 6th Floor
CITY: Oakland STATE: CA ZIP: 94607
TEL: 510-285-2792 E-MAIL: rcheung@geosyntec.com dgandhi@geosyntec.com

CLIENT PROJECT NAME / NUMBER: Panama St. / WR1806
PROJECT ADDRESS: 12922 Panama St
CITY: Los Angeles STATE: CA ZIP: 90066
PROJECT CONTACT: Robert Cheung / Deepa Gandhi

P.O.NO.: WR1806
LAB CONTACT OR QUOTE NO.
LAB USE ONLY: 14-05-1218

TURNAROUND TIME:
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SAMPLER(S): (NAME / SIGNATURE) Brian Cozzens / [signature], Ryan Smith [signature]

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ EDD

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO-15

LAB USE ONLY	SAMPLE ID	FIELD ID / Point of Collection	Air Type (I) Indoor (SV) Soil Vap. (A) Ambient	Sampling Equipment: Canister ID#	Canister Size 6L or 1L	Flow Controller ID #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	TO-15
1	SVP-1-5-051514	SVP-1-5	SV	LC056	1L	A359	5/15/14	09:40	-29.64	5/15/14	09:46	-1.73	X
2	SVP-1-8.5-051514	SVP-1-8.5	SV	LC412	1L	A165	5/15/14	10:37	-29.60	5/15/14	10:44	-1.31	X
3	SVP-2-5-051514	SVP-2-5	SV	LC229	1L	A320	5/15/14	11:27	-29.66	5/15/14	11:32	-2.47	X
4	SVP-2-8.5-051514	SVP-2-8.5	SV	LC038	1L	A332	5/15/14	12:00	-29.53	5/15/14	12:06	-3.22	X
5	SVP-4-10-051514	SVP-4-10	SV	LC442	1L	A128	5/15/14	12:58	-29.65	5/15/14	13:04	-1.00	X
6	SVP-3-5-051514	SVP-3-5	SV	LC231	1L	A240	5/15/14	13:39	-29.63	5/15/14	13:44	-2.06	X
7	SVP-3-10-051514	SVP-3-10	SV	LC020	1L	A245	5/15/14	14:40	-28.96	5/15/14	14:45	-2.86	X
8	SVP-4-5-051514	SVP-4-5	SV	LC093	1L	A123	5/15/14	16:05	-29.62	5/15/14	16:14	-3.38	X
9	DUP-1-051514	—	SV	LC372	1L	A123	5/15/14	16:05	-29.65	5/15/14	16:14	-2.88	X
10	SVP-5-5-051514	SVP-5-5	SV	LC045	1L	A374	5/15/14	15:44	-29.64	5/15/14	15:49	-2.74	X

Relinquished by: (Signature) [signature]	Received by: (Signature) [signature] CEL	Date: 5/15/14	Time: 1620
Relinquished by: (Signature) [signature]	Received by: (Signature) [signature] CEL	Date: 5/15/14	Time: 1830
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

04/01/13 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-1218

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: GEOSYNTEC CONSULTANTS DATE: 05/15/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature ____.____ °C - 0.3 °C (CF) = ____.____ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☑ Air ☐ Filter Checked by: 676

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☑ N/A Checked by: 676

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 862

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 862

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 659

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 659

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APPENDIX E

Analytical Laboratory Report and Manifest for IDW

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /		394/232	A07	412801	001

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	
RON-PAN, LLC; JAN-PAN, LLC; GGL-PAN, LLC AND SCHAEFER-PAN, LLC ATTN: RONALD LUSHING 2029 CENTURY PARK EAST, SUITE 1040 LOS ANGELES, CA 90067	Person to Contact:	
	FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)* PANAMA STREET 12964, 12950, 12930, 12908 AND 12910 PANAMA ST. LOS ANGELES , CA	Site Phone #:	
	Person to Contact:	
	FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 982-8001	
	Person to Contact: DELLENA JEFFREY	
	FAX#: (760) 246-8004	
Transporter Name and Mailing Address: RELSHIRE 26971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 239788	Transporter's Phone #: 949-460-6200	CAR000183913
	Person to Contact: LARRY MOOTHART	450647
	FAX#: 949-460-6210	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	1	Soil	38020	37400	600
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					30

List any exception to items listed above: Scale Ticket # 113998

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☒ Consultant ☐ Ronald Lushing & entities listed above | Signature and date: | Month 5 | Day 15 | Year 14

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Luis Navarro | Signature and date: | Month 5 | Day 16 | Year 14

Recycling Facility

Discrepancies:
12964, 12
1020625

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFREY/J. PROVANSAL | Signature and date: 5-29-14

Please print or type.

TRANSPORTER COPY

Calscience Environmental Laboratories, Inc.

CALSCIENCE

WORK ORDER NUMBER: 14-05-0969

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Geosyntec Consultants

Client Project Name: Panama St. / WR1806

Attention: Robert Cheung
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Approved for release on 05/14/2014 by:
Stephen Nowak
Project Manager

ResultLink

Email your PM

Calscience Environmental Laboratories, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Calscience Environmental Laboratories, Inc.

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Work Order Number: 14-05-0969

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Calscience Environmental Laboratories, Inc.

Work Order Narrative

Work Order: 14-05-0969 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain of Custody (COC) on 05/13/14. They were assigned to Work Order 14-05-0969.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Calscience Environmental Laboratories, Inc.

Sample Summary

Client:	Geosyntec Consultants	Work Order:	14-05-0969
	1111 Broadway, FL 6TH	Project Name:	Panama St. / WR1806
	Oakland, CA 94607-4172	PO Number:	
		Date/Time Received:	05/13/14 14:00
		Number of Containers:	4
Attn:	Robert Cheung		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
IDW-1	14-05-0969-1	05/13/14 13:00	4	Solid

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IDW-1	**14-05-0969-1-A**	**05/13/14 13:00**	**Solid**	**GC 46**	**05/13/14**	**05/13/14 19:48**	**140513B02A**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	80	9.8	2.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	108	61-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-422-1112**	**N/A**	**Solid**	**GC 46**	**05/13/14**	**05/13/14 15:38**	**140513B02A**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	106	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: mg/kg

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IDW-1	**14-05-0969-1-A**	**05/13/14 13:00**	**Solid**	**GC 24**	**05/13/14**	**05/13/14 17:09**	**140513L035**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.51	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	93	42-126	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-571-1601**	**N/A**	**Solid**	**GC 24**	**05/13/14**	**05/13/14 11:23**	**140513L035**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene - FID	102	42-126	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IDW-1	**14-05-0969-1-A**	**05/13/14 13:00**	**Solid**	**ICP 7300**	**05/13/14**	**05/14/14 10:56**	**140513L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	11.5	0.750	1.00	
Barium	135	0.500	1.00	
Beryllium	0.539	0.250	1.00	
Cadmium	1.06	0.500	1.00	
Chromium	32.1	0.250	1.00	
Cobalt	11.6	0.250	1.00	
Copper	38.8	0.500	1.00	
Lead	9.97	0.500	1.00	
Molybdenum	3.10	0.250	1.00	
Nickel	25.9	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	52.2	0.250	1.00	
Zinc	199	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-18370**	**N/A**	**Solid**	**ICP 7300**	**05/13/14**	**05/14/14 10:53**	**140513L03**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IDW-1	**14-05-0969-1-A**	**05/13/14 13:00**	**Solid**	**Mercury 04**	**05/13/14**	**05/13/14 18:52**	**140513L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-226**	**N/A**	**Solid**	**Mercury 04**	**05/13/14**	**05/13/14 15:08**	**140513L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IDW-1	**14-05-0969-1-C**	**05/13/14 13:00**	**Solid**	**GC/MS RR**	**05/13/14**	**05/13/14 18:47**	**140513L032**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	49	1.00	
Benzene	ND	0.98	1.00	
Bromobenzene	ND	0.98	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	0.98	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	0.98	1.00	
sec-Butylbenzene	ND	0.98	1.00	
tert-Butylbenzene	ND	0.98	1.00	
Carbon Disulfide	ND	9.8	1.00	
Carbon Tetrachloride	ND	0.98	1.00	
Chlorobenzene	ND	0.98	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	0.98	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	0.98	1.00	
4-Chlorotoluene	ND	0.98	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	4.9	1.00	
1,2-Dibromoethane	ND	0.98	1.00	
Dibromomethane	ND	0.98	1.00	
1,2-Dichlorobenzene	ND	0.98	1.00	
1,3-Dichlorobenzene	ND	0.98	1.00	
1,4-Dichlorobenzene	ND	0.98	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	0.98	1.00	
1,2-Dichloroethane	ND	0.98	1.00	
1,1-Dichloroethene	ND	0.98	1.00	
c-1,2-Dichloroethene	8.3	0.98	1.00	
t-1,2-Dichloroethene	ND	0.98	1.00	
1,2-Dichloropropane	ND	0.98	1.00	
1,3-Dichloropropane	ND	0.98	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	0.98	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	0.98	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	0.98	1.00	
p-Isopropyltoluene	ND	0.98	1.00	
Methylene Chloride	ND	9.8	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	9.8	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	0.98	1.00	
1,1,1,2-Tetrachloroethane	ND	0.98	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	0.98	1.00	
Toluene	ND	0.98	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	0.98	1.00	
1,1,2-Trichloroethane	ND	0.98	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	9.8	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	9.8	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	9.8	1.00	
Vinyl Chloride	ND	0.98	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	0.98	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	20	1.00	
Diisopropyl Ether (DIPE)	ND	0.98	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.98	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.98	1.00	
Ethanol	ND	490	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants	Date Received:	05/13/14
1111 Broadway, FL 6TH	Work Order:	14-05-0969
Oakland, CA 94607-4172	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Panama St. / WR1806		Page 3 of 6

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	111	79-133	
1,2-Dichloroethane-d4	110	71-155	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-14-312-345**	**N/A**	**Solid**	**GC/MS RR**	**05/13/14**	**05/13/14 18:11**	**140513L032**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	50	1.00	
Benzene	ND	1.0	1.00	
Bromobenzene	ND	1.0	1.00	
Bromochloromethane	ND	2.0	1.00	
Bromodichloromethane	ND	1.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	20	1.00	
2-Butanone	ND	20	1.00	
n-Butylbenzene	ND	1.0	1.00	
sec-Butylbenzene	ND	1.0	1.00	
tert-Butylbenzene	ND	1.0	1.00	
Carbon Disulfide	ND	10	1.00	
Carbon Tetrachloride	ND	1.0	1.00	
Chlorobenzene	ND	1.0	1.00	
Chloroethane	ND	2.0	1.00	
Chloroform	ND	1.0	1.00	
Chloromethane	ND	20	1.00	
2-Chlorotoluene	ND	1.0	1.00	
4-Chlorotoluene	ND	1.0	1.00	
Dibromochloromethane	ND	2.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	1.0	1.00	
Dibromomethane	ND	1.0	1.00	
1,2-Dichlorobenzene	ND	1.0	1.00	
1,3-Dichlorobenzene	ND	1.0	1.00	
1,4-Dichlorobenzene	ND	1.0	1.00	
Dichlorodifluoromethane	ND	2.0	1.00	
1,1-Dichloroethane	ND	1.0	1.00	
1,2-Dichloroethane	ND	1.0	1.00	
1,1-Dichloroethene	ND	1.0	1.00	
c-1,2-Dichloroethene	ND	1.0	1.00	
t-1,2-Dichloroethene	ND	1.0	1.00	
1,2-Dichloropropane	ND	1.0	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 5035
Method: EPA 8260B
Units: ug/kg

Project: Panama St. / WR1806

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	2.0	1.00	
c-1,3-Dichloropropene	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	2.0	1.00	
Ethylbenzene	ND	1.0	1.00	
2-Hexanone	ND	20	1.00	
Isopropylbenzene	ND	1.0	1.00	
p-Isopropyltoluene	ND	1.0	1.00	
Methylene Chloride	ND	10	1.00	
4-Methyl-2-Pentanone	ND	20	1.00	
Naphthalene	ND	10	1.00	
n-Propylbenzene	ND	2.0	1.00	
Styrene	ND	1.0	1.00	
1,1,1,2-Tetrachloroethane	ND	1.0	1.00	
1,1,2,2-Tetrachloroethane	ND	2.0	1.00	
Tetrachloroethene	ND	1.0	1.00	
Toluene	ND	1.0	1.00	
1,2,3-Trichlorobenzene	ND	2.0	1.00	
1,2,4-Trichlorobenzene	ND	2.0	1.00	
1,1,1-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloroethane	ND	1.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1.00	
Trichloroethene	ND	2.0	1.00	
Trichlorofluoromethane	ND	10	1.00	
1,2,3-Trichloropropane	ND	2.0	1.00	
1,2,4-Trimethylbenzene	ND	2.0	1.00	
1,3,5-Trimethylbenzene	ND	2.0	1.00	
Vinyl Acetate	ND	10	1.00	
Vinyl Chloride	ND	1.0	1.00	
p/m-Xylene	ND	2.0	1.00	
o-Xylene	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	2.0	1.00	
Tert-Butyl Alcohol (TBA)	ND	20	1.00	
Diisopropyl Ether (DIPE)	ND	1.0	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	1.00	
Ethanol	ND	500	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Calscience Environmental Laboratories, Inc.

Analytical Report

Geosyntec Consultants	Date Received:	05/13/14
1111 Broadway, FL 6TH	Work Order:	14-05-0969
Oakland, CA 94607-4172	Preparation:	EPA 5035
	Method:	EPA 8260B
	Units:	ug/kg
Project: Panama St. / WR1806		Page 6 of 6

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	98	79-133	
1,2-Dichloroethane-d4	99	71-155	
Toluene-d8	100	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 3550B
Method: EPA 8015B (M)

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-05-0900-2	**Sample**	**Solid**	**GC 46**	**05/13/14**	**05/13/14 17:06**	**140513S02**
14-05-0900-2	**Matrix Spike**	**Solid**	**GC 46**	**05/13/14**	**05/13/14 16:14**	**140513S02**
14-05-0900-2	**Matrix Spike Duplicate**	**Solid**	**GC 46**	**05/13/14**	**05/13/14 16:32**	**140513S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	ND	400.0	387.9	97	437.8	109	64-130	12	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 5030C
Method: EPA 8015B (M)
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-05-0679-1	**Sample**	**Solid**	**GC 24**	**05/09/14**	**05/13/14 13:38**	**140513S010**
14-05-0679-1	**Matrix Spike**	**Solid**	**GC 24**	**05/09/14**	**05/13/14 14:53**	**140513S010**
14-05-0679-1	**Matrix Spike Duplicate**	**Solid**	**GC 24**	**05/09/14**	**05/13/14 15:27**	**140513S010**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	41060	20000	61560	102	62060	105	48-114	1	0-23	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 3050B
Method: EPA 6010B

Project: Panama St. / WR1806

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
IDW-1	**Sample**	**Solid**	**ICP 7300**	**05/13/14**	**05/14/14 10:56**	**140513S03**
IDW-1	**Matrix Spike**	**Solid**	**ICP 7300**	**05/13/14**	**05/14/14 10:57**	**140513S03**
IDW-1	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**05/13/14**	**05/14/14 10:58**	**140513S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	5.472	22	5.231	21	50-115	4	0-20	3
Arsenic	11.49	25.00	33.70	89	37.83	105	75-125	12	0-20	
Barium	135.3	25.00	150.7	4X	165.9	4X	75-125	4X	0-20	Q
Beryllium	0.5390	25.00	25.08	98	26.87	105	75-125	7	0-20	
Cadmium	1.059	25.00	23.60	90	25.26	97	75-125	7	0-20	
Chromium	32.15	25.00	55.42	93	61.18	116	75-125	10	0-20	
Cobalt	11.57	25.00	32.83	85	35.42	95	75-125	8	0-20	
Copper	38.84	25.00	62.84	96	64.72	104	75-125	3	0-20	
Lead	9.975	25.00	29.73	79	33.38	94	75-125	12	0-20	
Molybdenum	3.103	25.00	23.57	82	26.21	92	75-125	11	0-20	
Nickel	25.93	25.00	47.14	85	54.50	114	75-125	14	0-20	
Selenium	ND	25.00	20.90	84	22.14	89	75-125	6	0-20	
Silver	ND	12.50	12.13	97	13.13	105	75-125	8	0-20	
Thallium	ND	25.00	12.37	49	17.53	70	75-125	35	0-20	3,4
Vanadium	52.21	25.00	71.07	75	79.83	110	75-125	12	0-20	
Zinc	198.9	25.00	159.4	4X	135.5	4X	75-125	4X	0-20	Q

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 7471A Total
Method: EPA 7471A
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-05-0812-7	**Sample**	**Solid**	**Mercury 04**	**05/13/14**	**05/13/14 18:34**	**140513S04**
14-05-0812-7	**Matrix Spike**	**Solid**	**Mercury 04**	**05/13/14**	**05/13/14 18:41**	**140513S04**
14-05-0812-7	**Matrix Spike Duplicate**	**Solid**	**Mercury 04**	**05/13/14**	**05/13/14 18:43**	**140513S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.8326	100	0.8366	100	71-137	0	0-14	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Geosyntec Consultants		Date Received:	05/13/14
1111 Broadway, FL 6TH		Work Order:	14-05-0969
Oakland, CA 94607-4172		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: Panama St. / WR1806			Page 1 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-422-1112	**LCS**	**Solid**	**GC 46**	**05/13/14**	**05/13/14 15:56**	**140513B02A**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	409.4	102	75-123	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Geosyntec Consultants		Date Received:	05/13/14
1111 Broadway, FL 6TH		Work Order:	14-05-0969
Oakland, CA 94607-4172		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: Panama St. / WR1806			Page 2 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-14-571-1601	**LCS**	**Solid**	**GC 24**	**05/13/14**	**05/13/14 10:49**	**140513L035**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	10.00	10.25	102	70-124	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 3050B
Method: EPA 6010B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-18370	**LCS**	**Solid**	**ICP 7300**	**05/13/14**	**05/14/14 10:54**	**140513L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	26.38	106	80-120	73-127	
Arsenic	25.00	25.97	104	80-120	73-127	
Barium	25.00	25.82	103	80-120	73-127	
Beryllium	25.00	25.54	102	80-120	73-127	
Cadmium	25.00	26.66	107	80-120	73-127	
Chromium	25.00	26.39	106	80-120	73-127	
Cobalt	25.00	28.35	113	80-120	73-127	
Copper	25.00	26.12	104	80-120	73-127	
Lead	25.00	27.36	109	80-120	73-127	
Molybdenum	25.00	26.80	107	80-120	73-127	
Nickel	25.00	27.82	111	80-120	73-127	
Selenium	25.00	23.83	95	80-120	73-127	
Silver	12.50	12.99	104	80-120	73-127	
Thallium	25.00	27.68	111	80-120	73-127	
Vanadium	25.00	25.37	101	80-120	73-127	
Zinc	25.00	26.26	105	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 7471A Total
Method: EPA 7471A
Page 4 of 7

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-226	**LCS**	**Solid**	**Mercury 04**	**05/13/14**	**05/13/14 16:43**	**140513L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8818	106	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 5035
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-14-312-345	**LCS**	**Solid**	**GC/MS RR**	**05/13/14**	**05/13/14 16:14**	**140513L032**
099-14-312-345	**LCSD**	**Solid**	**GC/MS RR**	**05/13/14**	**05/13/14 16:44**	**140513L032**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Acetone	50.00	102.1	204	104.3	209	62-182	42-202	2	0-50	X
Benzene	50.00	47.82	96	49.82	100	79-120	72-127	4	0-20	
Bromobenzene	50.00	49.18	98	50.76	102	80-120	73-127	3	0-20	
Bromochloromethane	50.00	46.07	92	46.93	94	75-120	68-128	2	0-20	
Bromodichloromethane	50.00	49.52	99	51.16	102	80-122	73-129	3	0-20	
Bromoform	50.00	50.10	100	50.91	102	71-137	60-148	2	0-20	
Bromomethane	50.00	47.09	94	51.32	103	40-160	20-180	9	0-31	
2-Butanone	50.00	70.49	141	79.64	159	64-166	47-183	12	0-27	
n-Butylbenzene	50.00	57.05	114	58.65	117	80-124	73-131	3	0-20	
sec-Butylbenzene	50.00	54.80	110	56.17	112	72-126	63-135	2	0-20	
tert-Butylbenzene	50.00	53.60	107	55.30	111	72-126	63-135	3	0-20	
Carbon Disulfide	50.00	43.51	87	45.35	91	61-127	50-138	4	0-20	
Carbon Tetrachloride	50.00	51.27	103	52.95	106	69-135	58-146	3	0-20	
Chlorobenzene	50.00	51.44	103	53.20	106	71-120	63-128	3	0-20	
Chloroethane	50.00	52.12	104	54.58	109	65-131	54-142	5	0-20	
Chloroform	50.00	48.25	97	49.94	100	80-120	73-127	3	0-20	
Chloromethane	50.00	47.26	95	48.37	97	56-128	44-140	2	0-20	
2-Chlorotoluene	50.00	53.33	107	54.52	109	74-122	66-130	2	0-20	
4-Chlorotoluene	50.00	53.33	107	54.99	110	73-121	65-129	3	0-20	
Dibromochloromethane	50.00	51.08	102	52.98	106	73-127	64-136	4	0-20	
1,2-Dibromo-3-Chloropropane	50.00	48.59	97	49.86	100	74-122	66-130	3	0-20	
1,2-Dibromoethane	50.00	48.16	96	49.25	99	80-120	73-127	2	0-20	
Dibromomethane	50.00	47.89	96	49.75	99	80-120	73-127	4	0-20	
1,2-Dichlorobenzene	50.00	52.71	105	53.81	108	74-120	66-128	2	0-20	
1,3-Dichlorobenzene	50.00	53.80	108	55.25	110	75-120	68-128	3	0-20	
1,4-Dichlorobenzene	50.00	51.69	103	53.55	107	80-120	73-127	4	0-20	
Dichlorodifluoromethane	50.00	49.72	99	51.79	104	48-150	31-167	4	0-20	
1,1-Dichloroethane	50.00	46.36	93	47.65	95	77-120	70-127	3	0-20	
1,2-Dichloroethane	50.00	47.74	95	49.86	100	72-126	63-135	4	0-20	
1,1-Dichloroethene	50.00	50.49	101	52.11	104	68-122	59-131	3	0-20	
c-1,2-Dichloroethene	50.00	51.71	103	53.21	106	80-120	73-127	3	0-20	
t-1,2-Dichloroethene	50.00	48.60	97	52.86	106	75-123	67-131	8	0-20	
1,2-Dichloropropane	50.00	47.78	96	49.57	99	80-120	73-127	4	0-20	
1,3-Dichloropropane	50.00	47.12	94	48.36	97	80-120	73-127	3	0-20	
2,2-Dichloropropane	50.00	52.48	105	54.30	109	66-138	54-150	3	0-25	
1,1-Dichloropropene	50.00	50.55	101	52.33	105	80-123	73-130	3	0-20	

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants
1111 Broadway, FL 6TH
Oakland, CA 94607-4172

Project: Panama St. / WR1806

Date Received: 05/13/14
Work Order: 14-05-0969
Preparation: EPA 5035
Method: EPA 8260B

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
c-1,3-Dichloropropene	50.00	54.95	110	56.45	113	80-126	72-134	3	0-20	
t-1,3-Dichloropropene	50.00	51.38	103	52.43	105	72-126	63-135	2	0-20	
Ethylbenzene	50.00	51.38	103	52.64	105	80-120	73-127	2	0-20	
2-Hexanone	50.00	63.51	127	67.10	134	68-146	55-159	6	0-23	
Isopropylbenzene	50.00	53.01	106	54.75	109	75-123	67-131	3	0-20	
p-Isopropyltoluene	50.00	51.12	102	52.83	106	75-120	68-128	3	0-20	
Methylene Chloride	50.00	51.18	102	52.63	105	72-120	64-128	3	0-26	
4-Methyl-2-Pentanone	50.00	49.48	99	52.79	106	77-125	69-133	6	0-20	
Naphthalene	50.00	51.69	103	54.06	108	77-125	69-133	4	0-20	
n-Propylbenzene	50.00	53.18	106	54.17	108	73-121	65-129	2	0-20	
Styrene	50.00	51.30	103	52.41	105	80-120	73-127	2	0-20	
1,1,1,2-Tetrachloroethane	50.00	48.39	97	49.44	99	80-122	73-129	2	0-20	
1,1,2,2-Tetrachloroethane	50.00	49.05	98	50.11	100	78-120	71-127	2	0-20	
Tetrachloroethene	50.00	47.06	94	49.75	100	72-120	64-128	6	0-20	
Toluene	50.00	50.04	100	51.90	104	80-120	73-127	4	0-20	
1,2,3-Trichlorobenzene	50.00	56.12	112	57.45	115	80-122	73-129	2	0-20	
1,2,4-Trichlorobenzene	50.00	58.21	116	60.44	121	78-126	70-134	4	0-20	
1,1,1-Trichloroethane	50.00	48.78	98	50.61	101	76-124	68-132	4	0-20	
1,1,2-Trichloroethane	50.00	48.87	98	49.63	99	80-120	73-127	2	0-20	
1,1,2-Trichloro-1,2,2-Trifluoroethane	50.00	46.89	94	49.69	99	71-125	62-134	6	0-20	
Trichloroethene	50.00	47.67	95	50.00	100	80-120	73-127	5	0-20	
Trichlorofluoromethane	50.00	50.55	101	53.87	108	66-138	54-150	6	0-20	
1,2,3-Trichloropropane	50.00	47.16	94	48.50	97	79-121	72-128	3	0-20	
1,2,4-Trimethylbenzene	50.00	54.09	108	55.32	111	80-120	73-127	2	0-20	
1,3,5-Trimethylbenzene	50.00	54.30	109	56.16	112	80-125	72-132	3	0-20	
Vinyl Acetate	50.00	56.61	113	58.42	117	30-170	7-193	3	0-28	
Vinyl Chloride	50.00	51.38	103	53.50	107	60-132	48-144	4	0-20	
p/m-Xylene	100.0	106.7	107	109.8	110	78-120	71-127	3	0-20	
o-Xylene	50.00	54.41	109	55.57	111	75-123	67-131	2	0-20	
Methyl-t-Butyl Ether (MTBE)	50.00	48.41	97	49.98	100	74-122	66-130	3	0-20	
Tert-Butyl Alcohol (TBA)	250.0	217.5	87	236.5	95	74-120	66-128	8	0-20	
Diisopropyl Ether (DIPE)	50.00	49.09	98	50.70	101	75-123	67-131	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	50.00	49.92	100	52.19	104	77-125	69-133	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	50.00	49.44	99	51.46	103	77-125	69-133	4	0-20	
Ethanol	500.0	460.7	92	491.2	98	53-143	38-158	6	0-28	

Total number of LCS compounds: 71
Total number of ME compounds: 0

RPD: Relative Percent Difference. CL: Control Limits

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Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCSD

Geosyntec Consultants	Date Received:	05/13/14
1111 Broadway, FL 6TH	Work Order:	14-05-0969
Oakland, CA 94607-4172	Preparation:	EPA 5035
	Method:	EPA 8260B
Project: Panama St. / WR1806		Page 7 of 7

Total number of ME compounds allowed: 4
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

Calscience Environmental Laboratories, Inc.

Sample Analysis Summary Report

Work Order: 14-05-0969 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 7471A	EPA 7471A Total	776	Mercury 04	1
EPA 8015B (M)	EPA 3550B	847	GC 46	1
EPA 8015B (M)	EPA 5030C	715	GC 24	2
EPA 8260B	EPA 5035	849	GC/MS RR	2

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Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order: 14-05-0969 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
Other locations: Concord, San Luis Obispo, Houston, and Corpus Christi
For courier service / sample drop off information,
contact sales@calscience.com or call us.

CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY
14-05-0969

Date 5/13/14
Page 1 of 1

LABORATORY CLIENT: Geosyntec Consultants
ADDRESS: 1111 Broadway 6th Floor
CITY: Oakland STATE: CA ZIP:
TEL: 510-285-2792 E-MAIL: rcheung@geosyntec.com
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☒ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD
☐ COELT EDF GLOBAL ID LOG CODE
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: Panama St
P.O. NO.: WR1806
PROJECT CONTACT: Robert Cheung
SAMPLER(S): (PRINT) Ryan Smith

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X incl. Hg	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	IDW-1	5/13/14	13:00	S	1	X			X	X				X							+				

Relinquished by: (Signature) Ryan Smith	Received by: (Signature/Affiliation) COL	Date: 5/13/14	Time: 1305
Relinquished by: (Signature)	Received by: (Signature/Affiliation) Danny Le CGL	Date: 5/13/14	Time: 14:00
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies, respectively.

01/01/14 Revision

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-0969

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Geosyntec DATE: 05/13/14

TEMPERATURE: Thermometer ID: SC2 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 6.8 °C - 0.3 °C (CF) = 6.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☑ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: 828

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Checked by: 828

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 826

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☐	☑	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☑Sleeve (5) ☐EnCores® ☑TerraCores® (3) ☐_____

Aqueous: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 826

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 659

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** 659

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Calscience Environmental Laboratories, Inc.

WORK ORDER #: 14-05-0969

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☐ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☑ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

Received 4 containers instead of 1.

3 - Terracores
1 - sleeve.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: 659 05/13/14

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APPENDIX F

Data Quality Review Forms

SOIL GAS DATA QUALITY CONTROL REVIEW

REVIEW BY: Lauren Deutsch Review date: 05/21/2014
PROJECT/TASK NO.: WR1806

ATTACH TO THIS FORM: 1) DATA REPORT COVER SHEETS
2) LABORATORY NARRATIVE

Site: Panama Street WO# 14-05-1347 Sample date: 05/16/2014
Laboratory report #: 14-05-1347 Report date: 05/19/2014

Answer all questions. Any answer in a box requires comment (e.g., explanation, reference to laboratory narrative, and/or identification of qualifiers for data tables).

Review Item	Yes	No	NA	Comments
All data requested received:	X			
All analytes within holding times:	X			
Compounds detected below detection limits:		X		
Minimum 1 surrogate within control for each sample:	X			
Dilution factor elevated >10x:	X			See Note Below
Accuracy - all surrogate compounds within accuracy goals included in the Work Plan:	X			
Precision - all RPD values meet the precison goals included in the Work Plan:	X			
Laboratory check samples (LCS) within control limits:	X			
Chemicals detected above reporting limits in field, equipment, travel, or laboratory blank samples:		X		
Laboratory corrective actions implemented:	N/A			
Are data acceptable quality (if "No," note qualifiers for data tables in "Comments"):	X			

Dilution factors for 1,1-DCA, VC, cDCE: 1,1-DCA, VC, and cDCE were initially outside calibration; the analytes were re-run using a different dilution factor for the following samples: **1. SVP-5-10-051614** (1,1,-DCA: Initial= 1.00, Re-run= 10.0) (VC: Initial= 1.00, Re-run= 10.0) (cDCE: Initial= 1.00, Re-run= 25.0) **2. DUP-2-051614** (1,1,-DCA: Initial= 1.00, Re-run= 10.0) (VC: Initial= 1.00, Re-run= 10.0) (cDCE: Initial= 1.00, Re-run= 25.0)

Relative Percent Difference (RPD): SVP-5-10 and Dup 2: cDCE= 8.6%, trans-1,2-DCE=7.4%, PCE=0, TCE=4.6%, VC=3.6%

SOIL GAS DATA QUALITY CONTROL REVIEW

REVIEW BY: _____Lauren Deutsch_____ Review date: _____05/21/2014_____
PROJECT/TASK NO.: _____WR1806_____

ATTACH TO THIS FORM: 1) DATA REPORT COVER SHEETS
2) LABORATORY NARRATIVE

Site: _____Panama Street_____ WO# 14-05-1218 Sample date: _____05/15/2014_____
Laboratory report #: _____14-05-1218_____ Report date: _____05/16/2014_____

Answer all questions. Any answer in a box requires comment (e.g., explanation, reference to laboratory narrative, and/or identification of qualifiers for data tables).

Review Item	Yes	No	NA	Comments
All data requested received:	X			
All analytes within holding times:	X			
Compounds detected below detection limits:		X		
Minimum 1 surrogate within control for each sample:	X			
Dilution factor elevated >10x:	X			1. SVP-5-5-051514: Dilution Factor elevated to 40.0
Accuracy - all surrogate compounds within accuracy goals included in the Work Plan:	X			
Precision - all RPD values meet the precison goals included in the Work Plan:	X			
Laboratory check samples (LCS) within control limits:	X			
Chemicals detected above reporting limits in field, equipment, travel, or laboratory blank samples:		X		
Laboratory corrective actions implemented:	N/A			
Are data acceptable quality (if "No," note qualifiers for data tables in "Comments"):	X			

Dilution factors for cDCE:

cDCE was initially outside calibration; the analyte was re-run using a different dilution factor for the following samples: **1. SVP-1-8.5-051514** (Initial= 1.00, Re-run= 20.0), **2. SVP-4-10-051514** (Initial= 10.0, Re-run= 25.0), **3. SVP-3-5-051514** (Initial= 1.00, Re-run= 12.5), **4. SVP-3-10-051514** (Initial= 1.00, Re-run= 8.00), **5. DUP-1-05151** (Initial= 10.0, Re-run= 26.6).

Relative Percent Difference (RPD):

SVP-4-5 and Dup 1, samples were re-run using different dilution factors: cDCE= 183.3%, trans-1,2-DCE=179.3%, PCE=163.6%, TCE=180.6%, VC=180.7%
Results from sample SVP-4-5-051514 and its associated field duplicate were J or UJ qualified as estimated due to relative percent difference (RPD) results greater than 30%.

DATA QUALITY CONTROL REVIEW

REVIEWER: __Lauren Deutsch_____ Review date: _____05/29/14_____
PROJECT/PHASE/TASK NO.: _____WR1806-02_____

Site: _____Panama Street_____ Sample date: _____05/13/14_____
Laboratory report or WO#: ___14-05-0970_____ Report date: _____05/28/14_____

Answer all questions "Yes" or "No." Any answer in a box requires comment (e.g., explanation, reference to laboratory narrative, and/or identification of qualifiers for data tables).

Review Item	Yes	No	Comments
All data requested received:	X		SVP-5-10-051314 was not listed on the COC but was requested and approved by Robert Cheung and Calscience on 5/14/14.
All analytes within holding times:	X		
Compounds detected below reporting limits:		X	
Minimum 1 surrogate within control for each sample:	X		
Reporting limits elevated by greater than 10X:		X	
Reporting limits above screening levels:			N/A
Matrix spike (MS)/matrix spike duplicate (MSD) within recovery control limits (%):			N/A
Relative percent difference (RPD) within control limits based on MS/MSD results:	X		
Laboratory check sample (LCS) within control limits:		X	1. 1,1,2,2-Tetrachloroethane (pg.21) LCS %Recovery is within Marginial Exceedance (ME)Control limit range (+/- 4 SD from the mean) (LCSD% Rec: 125, %Rec. CL: 78-120)
Continuing calibration verification (CCV) within control limits:			N/A
Chemicals detected above reporting limits in field, equipment, travel, or laboratory blank samples:		X	
Volatile analysis container(s) free of headspace			N/A

Laboratory corrective actions implemented: Sample anomaly form completed (pg. 27)

Are data acceptable quality (if "No," note qualifiers for data tables in "Comments"): X

Additional notes to Project Manager: Total number of ME compounds allowed is 3, there was 1 ME compound detected. LCS ME CL validation result: Pass.

RETURN THIS SHEET TO TASK MANAGER WHEN COMPLETE

DATA QUALITY CONTROL REVIEW

REVIEWER: Lauren Deutsch
PROJECT/PHASE/TASK NO.: WR1806-02

Review date: 05-30-14

Site: Panama Street
Laboratory report or WO#: 14-05-0871

Sample date: 05-12-14
Report date: 05-29-14

Answer all questions "Yes" or "No." Any answer in a box requires comment (e.g., explanation, reference to laboratory narrative, and/or identification of qualifiers for data tables).

Review Item	Yes	No	Comments
All data requested received:	X		
All analytes within holding times:	X		
Compounds detected below reporting limits:		X	
Minimum 1 surrogate within control for each sample:	X		
Reporting limits elevated by greater than 10X:		X	
Reporting limits above screening levels:			N/A
Matrix spike (MS)/matrix spike duplicate (MSD) within recovery control limits (%):			N/A
Relative percent difference (RPD) within control limits based on MS/MSD results:	X		
Laboratory check sample (LCS) within control limits:		X	Method 8260B: 1,1,2,2-Tetrachloroethane LCSD %Rec (125) is within Marginal Exceedance (ME) (71-127) Control Limit range (+/- 4 SD from the mean), Qualifier=ME. LCSD% Rec 127 is above the %Rec. CL 78-120. 1 ME compound detected, 3 ME compounds allowed, LCS ME CL validation result: Pass.
Continuing calibration verification (CCV) within control limits:			N/A
Chemicals detected above reporting limits in field, equipment, travel, or laboratory blank samples:		X	
Volatile analysis container(s) free of headspace			N/A

Laboratory corrective actions implemented:

Are data acceptable quality (if "No," note qualifiers for data tables in "Comments"): X

Additional notes to Project Manager

RETURN THIS SHEET TO TASK MANAGER WHEN COMPLETE