LIBITZKY PROPERTY COMPANIES

July 15, 2013

Assistant Fire Marshal Leroy Griffin
Oakland Fire Department, HAZMAT DIVISION
250 Frank H. Ogawa Plaza, Suite 3341
Oakland, CA 94612

SUBJECT: UST IN-PLACE CLOSURE REPORT CERTIFICATION
County File # RO 2991
Acts Full Gospel Church & Industrial Properties
8410 Amelia Street
Oakland, California

Dear Mr. Griffin:

You will find attached one copy of the following document prepared by P&D Environmental, Inc. for the subject site:

- UST In-Place Closure Report dated July 15, 2013 (document 0453.R1).

I declare, under penalty of perjury, that the information and/or recommendations contained in the above-mentioned document for the subject site is true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact me at 510-652-4950.

Sincerely,

Amelia Street Partners, LLC
Kevin Perkins

Attachment
0453.L4

1475 Powell Street, Suite 201 Emeryville, CA 94608 510.652.0588 510.652.4950 www.libitzky.com

P&D ENVIRONMENTAL, INC.

55 Santa Clara Avenue, Suite 240
Oakland, CA 94610
(510) 658-6916

July 15, 2013
Report 0453.R1

Mr. Kevin Perkins
Amelia Street Partners, LLC
1475 Powell Street, Suite 201
Emeryville, California 94608

SUBJECT: UST IN-PLACE CLOSURE REPORT
County File # RO 2991
Acts Full Gospel Church & Industrial Properties
8410 Amelia Street
Oakland, California

Dear Mr. Perkins:

P&D Environmental, Inc. (P&D) has prepared this report documenting the in-place closure of one 1,200 gallon capacity underground storage tank (UST) at the subject site on March 28, 2013 and associated soil and groundwater sample collection. Based on water samples collected from the UST interior, the UST historically contained leaded gasoline. The UST was closed in-place based on the proximity of an adjacent building. A Site Location Map is attached as Figure 1, a Site Vicinity Map is attached as Figure 2, and a Site Vicinity Map Detail showing soil sample collection locations is attached with this report as Figure 3. All work was performed under the direct supervision of a professional geologist.

BACKGROUND

A detailed discussion of the site background is provided in Basic Environmental, Inc.'s (Basics) Phase I Environmental Site Assessment Report dated February 29, 2008 and P&D's October 12, 2011 Conduit Study and Work Plan (document 0453.W2). A May 7, 2008 Limited Phase II Environmental Site Sampling Report prepared by Basics documented the results of soil and groundwater samples collected from a total of six boreholes that were drilled at various locations throughout the site. P&D's October 12, 2011 Conduit Study and Work Plan documented a magnetometer survey associated with a former fuel dispenser pedestal followed by exploratory excavation in September 2011 which identified a former gasoline UST on the east side of the property adjacent to G Street. Based on information obtained during the exploratory excavating in September 2011 the UST diameter was determined to be 4 feet with the depth of burial identified as between the depths of 5.5 and 9.5 feet below the ground surface (bgs). In addition, the work plan documented collection and analysis of a water sample from the UST, which identified the UST as a former leaded gasoline UST. At the time of in-place UST closure in 2013 it was determined that the UST was oriented perpendicular to the orientation identified in the September 2011 investigation.

P&D's October 12, 2011 Conduit Study and Work Plan also documents a trichloroethene (TCE) groundwater plume that originates at an offsite source that has extended beneath the east side of the subject site. Based on the orientation of the TCE plume, the groundwater flow direction in the vicinity of the site is to the southwest.

FIELD ACTIVITIES

Prior to in-place closure of the UST, an UST closure permit was obtained from the City of Oakland Fire Department, the area of excavation to expose the top of the UST was marked with white paint, Underground Service Alert was notified for underground utility location, and a health and safety plan was prepared. Based on discussions with Mr. James Yoo of the Alameda County Public Works Agency Water Resources Section no permits were required for sample collection at the ends of the UST. Field activities consisted of removal of fluids from the UST, filtering of fluids from the UST through two granular activated carbon vessels with storage of the filtered water in storage vessels, filling the UST with cement slurry for in-place closure, removal of UST piping, soil sample collection, groundwater sample collection, and excavated soil disposal.

The UST piping and the top of the UST were exposed by IMX, Inc. (IMX) of Oakland, California using a backhoe on March 27, 2013. Following inspection by City of Oakland Fire Department Assistant Fire Marshal Leroy Griffin on March 28, 2013 the UST piping was removed, the UST was filled, and soil and groundwater samples were collected under the supervision of inspector Griffin.

UST Fluid Removal and In-Place UST Closure

The UST piping and the top of the UST were uncovered on March 27, 2013 using a backhoe (see Figure 3). The top of the UST was encountered at a depth of 5.5 feet bgs, and the measured depth to groundwater in the excavated area was approximately 6.0 feet bgs. Following removal of the suction piping from the top of the UST, the length of the UST was measured to be approximately 13 feet by inserting a steel tape into the UST through the hole in the top of the UST where the suction pipe had been removed. Based on the 4 foot diameter of the UST the volume of the UST was calculated to be approximately 1,200 gallons.

Excavated soil was placed on a sheet of visqueen and covered with visqueen pending characterization of the soil. Soil excavated from immediately above and immediately adjacent to the UST exhibited bluish-gray discoloration, an old gasoline odor, and photoionization detector (PID) readings of up to 151 parts per million (ppm). The PID contained a 10.6 electron volt bulb and was calibrated with a 100 isobutylene standard prior to use.

A tremie pipe was placed into the UST to a depth of 6 inches above the bottom of the UST through the location in the top of the UST where the suction pipe had been removed, and a hose connected to a pump was also placed into the opening in the top of the UST. As cement was pumped into the UST through the tremie pipe the displaced water from the UST was pumped through the hose into storage containers. A total of approximately 550 gallons of water was pumped from the UST. City of Oakland inspector Griffin was onsite to observe the removal of the water from the UST. The water was subsequently filtered through two 55-gallon carbon filtration vessels and the filtered water placed into storage totes.

Following completion of sample collection and filling the UST with cement, boreholes T1 and T2 were filled with neat cement and the excavated areas were filled with clean fill.

Soil and Groundwater Sample Collection

On March 28, 2013 the piping located between the former dispenser island and the UST was inspected at the time of removal. Pipe trench soil samples P1 and P2 were collected from beneath the UST piping at locations shown in Figure 3. One location was beneath the piping elbow, and the second location was four feet west of the piping elbow where corrosion was observed on the underside of the piping. The samples were collected at depths of 0.7 and 1.0 feet below the bottom of the piping, respectively. No additional soil samples were collected from beneath the UST piping because no corrosion holes were observed at any other locations in the piping and no evidence of staining, discoloration, odor, or detectable PID values were encountered along the length of the pipe trench.

Following removal of the concrete dispenser pedestal one soil sample designated as D1 was collected at a depth of 1.0 foot below the bottom of the UST piping that was located beneath the dispenser pedestal. The soil samples from the piping trench and from beneath the dispenser pedestal were collected by pushing a 6-inch long, 2-inch diameter stainless steel tube into relatively undisturbed soil at the bottom of the excavated location. Each tube was filled entirely to ensure that no head space was present in the tube. The ends of the tube were then sequentially covered with aluminum foil and plastic end caps, and the tube was then labeled and stored in a cooler with ice pending delivery to the laboratory. Chain of custody procedures were observed for all sample handling.

Soil samples were collected from the ends of the UST on March 28, 2013 by hand augering to a depth of 6.0 feet bgs at each end of the UST, and using a slide hammer and a stainless steel sampler containing a 2-inch diameter, 6-inch long stainless steel tube to collect a soil sample from the bottom of each borehole. The soil samples collected at the west and east ends of the UST were designated as T1-6.0 and T2-6.0, respectively. Following sample collection the stainless steel tubes were removed from the sampler and were managed as described above for the UST piping and dispenser samples. The hand auger and sampler were cleaned with an Alconox wash followed by a clean water rinse prior to collection of each sample. No groundwater was encountered in either of the hand augered boreholes at the time of soil sample collection.

Based on the absence of groundwater in the boreholes T1 and T2 at the time of soil sample collection, on March 28, 2013 borehole T1 (located at the west end of UST, see Figure 3) was extended with the hand auger until groundwater was encountered at a depth of 10.0 feet bgs. Borehole T1 was initially extended to a depth of 8.0 feet bgs, however after one hour only 0.5 feet of water had accumulated in the borehole, and the borehole was subsequently extended to a depth of 10.0 feet bgs. The measured depth to groundwater from borehole T1 prior to groundwater sample collection was 7.3 feet bgs. Groundwater sample Pit Water 1 was collected from borehole T1 using a peristaltic pump and new polyethylene tubing, with new silicone tubing used in the pump rollers. The water sample was pumped from the discharge tubing directly into 40-milliliter VOA bottles and 1-liter amber bottles provided by the laboratory that were preserved with hydrochloric acid and into one unpreserved 500-milliliter polyethylene bottle that was subsequently

preserved at the laboratory. The bottles were labeled and stored in a cooler with ice pending delivery to the laboratory. Chain of custody procedures was observed for all sample handling. Inspector Griffin was on site to observe all soil and groundwater sample collection activities.

The soil encountered in the excavation that exposed the top of the UST and in boreholes T1 and T2 consisted of clay and silty clay to the total depths explored.

On March 28 and 29, 2013 water samples designated as TOTE 1 and TOTE 2 were collected from two totes containing water that had been pumped from the UST and filtered through the carbon vessels.

On March 29, 2013 one discrete soil sample designated as S1 was collected from the soil stockpile for soil disposal purposes by pushing one 2-inch diameter, 6-inch long stainless steel tube into the stockpile and then managing the tube as described above for the UST piping and dispenser samples.

On April 12, 2013 P&D personnel collected a carbon sample from the carbon filtration vessels for carbon disposal characterization.

Waste Disposal

The filtered water was hauled from the site as non-hazardous waste on April 12, 2013 by Icon Environmental Services, Inc. (Icon) using non-hazardous manifest #12141. A copy of the manifest for the filtered pit water is attached as Appendix A.

The stockpiled excavated soil was transported as non-hazardous waste on April 19, 2013 by IMX to the Republic Services Vasco Road Landfill in Livermore, California. A copy of the non-hazardous waste manifest and weight ticket for the soil disposal are attached as Appendix B. The weight ticket shows that 7.30 tons of soil was disposed of.

The two carbon vessels were hauled from the site as non-hazardous waste on April 12, 2013 by Icon using non-hazardous manifest #12165. A copy of the non-hazardous waste manifest for the carbon vessels is attached as Appendix C.

In accordance with approval by Inspector Griffin, the UST piping was disposed of as scrap metal.

GEOLOGY AND HYDROGEOLOGY

Based on review of regional geologic maps from U. S. Geological Survey Professional Paper 943, "Flatland Deposits - Their Geology and Engineering Properties and Their Importance to Comprehensive Planning," by E. J. Helley and K. R. Lajoie, 1979, the subject site is underlain by Fine-Grained Alluvium (Qhaf). The Fine-Grained Alluvium is described as unconsolidated plastic moderately to poorly sorted carbonaceous silt and clay.

Based on review of the boring logs for continuously cored boreholes SB1 through SB6 in the Basics May 7, 2008 Limited Phase II Environmental Site Sampling Report, and also the subsurface materials encountered in hand augered boreholes T1 and T2, the subsurface materials at the site consist of clay and silty clay to a depth of approximately 10.0 to 13.5 feet bgs, which is underlain by

clayey sand or silty sand to the total depths explored of 15.0 to 20.0 feet bgs. At locations SB2 and SB4 sand and gravel were encountered between the depths of approximately 18.5 and 20.0 feet bgs. The locations of boreholes SB1 through SB6 are shown in Figure 2.

Review of boring logs SB1 through SB6 shows that groundwater was initially encountered during continuous coring at depths ranging from approximately 14.0 to 16.0 feet bgs, and was subsequently measured in the boreholes at depths ranging from approximately 4.3 to 7.6 feet bgs. Groundwater was initially encountered in hand augered borehole T1 at a depth of approximately 7.5 feet bgs approximately one hour after the borehole was hand augered to a depth of 8.0 feet bgs. After the borehole was extended to a depth of 10.0 feet bgs, the measured depth to groundwater prior to groundwater sample collection was 7.3 feet bgs.

Review of Figure 1 and the 2011 Oakland Museum of California Creek and Watershed Map of Hayward and San Leandro shows that Elmhurst Creek flows in an underground culvert beneath the south end of the subject site, and that the creek daylights in an engineered channel approximately 1,200 feet to the southwest of the subject site. In addition, an unnamed tributary that connects to Elmhurst Creek approximately 400 feet to the southwest of the subject site flows in an underground culvert immediately to the north of the subject site. San Leandro Bay (connected to San Francisco Bay) is located approximately 6,800 feet to the west-southwest of the subject site.

LABORATORY ANALYSIS

All of the samples were analyzed at McCampbell Anlytical, Inc. (McCampbell) of Pittsburg, California. All of the soil samples collected from the UST piping trench (samples P1 and P2), the soil sample collected from under the former dispenser pedestal (sample D1), and the soil samples collected from the ends of the UST (samples T1-6.0 and T2-6.0) were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G), for methyl-tert-Butyl Ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 5030B in conjunction with EPA Method 8021B and modified EPA Method 8015B, for Total Petroleum Hydrocarbons as Diesel (TPH-D), Total Petroleum Hydrocarbons as Bunker Oil (TPH-BO), and Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) using EPA Method 3550B in conjunction with EPA Method 8015B, and for Total Lead using EPA Method 3050B in conjunction with EPA Method 6010B.

The water sample collected from borehole T1 (sample Pit Water 1) was analyzed for TPH-G and BTEX using EPA Method 5030B in conjunction with EPA Method 8021B and modified EPA Method 8015B, for TPH-D, TPH-BO, and TPH-MO using EPA Method 3510C in conjunction with EPA Method 8015B, and for dissolved lead using EPA Method E200.8.

The soil stockpile sample (sample S1) was analyzed for TPH-G, TPH-D, TPH-BO, and TPH-MO using the same methods described above, for Volatile Organic Compounds (VOCs) including MTBE and BTEX using EPA Method 8260B, and for CAM 17 metals using EPA Method 6020 in conjunction with EPA Method 3050B. Soil stockpile sample S1 was additionally analyzed for stlc lead using Method CA Title 22 in conjunction with EPA Method 6010B. The carbon sample collected from the first carbon drum for disposal purposes (Carbon 1) was analyzed for BTEX and total lead using the same methods described above for samples P1 through T2-6.0.

The filtered tote water sample composite (sample Tote Water Comp A) was analyzed for flash point using EPA Method 1010, for BTEX using 5030B in conjunction with EPA Method 8021B and modified EPA Method 8015B, and for dissolved lead using EPA Method E200.8.

The soil sample results for the piping trench, dispenser, and the ends of the UST are summarized in Table 1. The results for the groundwater grab sample from the end of the UST are summarized in Table 2. The soil stockpile soil sample results are summarized in Tables 3A and 3B, the tote water sample results are summarized in Table 4, and the carbon sample analytical results are summarized in Table 5. Copies of the laboratory analytical reports and chain of custody documentation are attached with this report as Appendix D.

Review of Table 1 shows that no analytes were detected in soil samples T1-6.0 and T2-6.0, which were collected at the ends of the UST, except for total lead at concentrations of 8.1 and 11 milligrams per kilogram (mg/kg), respectively. MTBE and BTEX were not detected in any of the soil samples with the exception of 0.013 mg/kg total xylenes in sample P1, and 0.43 mg/kg toluene and 0.073 mg/kg total xylenes in D1, respectively. In samples P1, P2 and D1, TPH-G concentrations ranged from ND to 29 mg/kg, TPH-D concentrations ranged from 16 to 88 mg/kg, TPH-BO concentrations ranged from 82 to 290 mg/kg, TPH-MO ranged from 56 to 270 mg/kg, and total lead concentrations ranged from 80 to 280 mg/kg. Review of the laboratory analytical reports shows that the laboratory described the TPH-G results for soil samples P1 and D1 as consisting of strongly aged gasoline- or diesel-range compounds, with the TPH-G results for sample D1 having no recognizable pattern. The laboratory described the TPH-D, TPH-BO, and TPH-MO results for soil samples P1, P2 and D1 as consisting of oil-range compounds and diesel-range compounds with no recognizable pattern. In addition, the P1 and D1 sample results were also described as containing gasoline-range compounds.

Review of Table 2 shows that TPH-G, TPH-D, TPH-BO, and TPH-MO were detected in UST pit water sample Pit Water 1 at concentrations of 9,600, 4,300, 6,000, and 1,100 micrograms per Liter (ug/L), respectively, benzene was detected at a concentration of 8.5 ug/L, and total lead was detected at a concentration of 1.1 ug/L. Toluene and total xylenes were detected at concentrations of 15 and 5.7 ug/L, respectively. Review of the laboratory analytical report shows that the laboratory noted an immiscible sheen/product as being present on sample Pit Water 1 and described the TPH-G results as having no recognizable pattern. Additionally the lab described the TPH-D, TPH-BO, and TPH-MO results as consisting of gasoline-range, oil-range, and diesel-range compounds with no recognizable pattern.

The sample results in Tables 3A, 3B, 4 and 5 were used for non-hazardous waste determination and disposal purposes.

DISCUSSION AND RECOMMENDATIONS

Comparison of the soil sample results in Table 1 with their respective San Francisco Bay Regional Water Quality Control Board (RWQCB) May 2013 Table A-2 shallow soil screening level Environmental Screening Levels (ESLs) for commercial/industrial land use shows that none of the detected concentrations exceed their respective ESL value.

Comparison of the groundwater grab sample results in Table 2 for the groundwater grab sample collected from the west end of the UST with their respective RWQCB May 2013 Table F-1a groundwater screening level ESL values where groundwater is a current or potential drinking water resource shows that TPH-G, TPH-D, TPH-BO, TPH-MO, and benzene concentrations exceed their respective ESL values.

The soil sample results for historical soil boring SB1 through SB6 soil samples are summarized in Tables 6A and 6B, and the borehole groundwater grab sample results are summarized in Table 7. Review of Figures 2 and 3 shows that boreholes SB1 and SB6 were located in the vicinity of the UST, and that borehole locations SB2, SB3 and SB4 were located directly downgradient of the UST. Review of Tables 6A and 7 show that no petroleum hydrocarbons were detected in any of the soil or groundwater samples collected from any of the boreholes with the exception of 4.2 mg/kg TPH-BO in borehole SB5 at a depth of 4.5 feet bgs, and MTBE which was detected in groundwater grab samples from boreholes SB1 through SB5 at concentrations ranging from 1.4 to 2.9 ug/L.

Based on the absence of detectable concentrations of petroleum hydrocarbons in the soil samples collected from the ends of the UST, petroleum hydrocarbons in soil in the vicinity of the UST are not considered to be a concern. Based on the absence of petroleum hydrocarbons in soil samples collected from beneath the UST piping and dispenser at concentrations exceeding their respective May 2013 Table A-2 commercial land use ESL values, petroleum hydrocarbons in soil beneath the UST piping and dispenser are not considered to be a concern. Similarly, none of the detected lead concentrations in soil exceed their respective May 2013 Table A-2 commercial land use ESL value, and are not considered to be a concern.

Based on the southwesterly groundwater flow direction at the site and the absence of detectable petroleum hydrocarbon concentrations in groundwater at downgradient locations SB1 through SB6 (other than 1.4 to 2.9 ug/L MTBE) the extent of petroleum hydrocarbons in groundwater appears to be limited to the immediate vicinity of the UST. Based on the absence of BTEX concentrations exceeding their respective RWQCB May 2013 Table F-1a groundwater ESL values (with the exception of 8.5 ug/L benzene) in the UST pit water sample that was collected from borehole T1, and based on the absence of any petroleum hydrocarbon concentrations in groundwater exceeding their respective RWQCB May 2013 Table E-1 groundwater screening levels for evaluation of potential vapor intrusion ESL values in fine-coarse soil mixtures for commercial/industrial land use, the petroleum hydrocarbon concentrations detected in groundwater at the UST pit are not considered to be a concern.

Based on the absence of petroleum hydrocarbons in soil at concentrations of concern for commercial/industrial land use, and based on the limited extent of petroleum hydrocarbons in groundwater at the UST pit in conjunction with the absence of BTEX compounds in groundwater at the UST pit exceeding RWQCB May 2013 Table F-1a groundwater ESLs (with the exception of 8.5 ug/L benzene) and the absence of BTEX compounds in groundwater at the UST pit exceeding RWQCB May 2013 Table E-1 groundwater screening levels for evaluation of potential vapor intrusion ESL values in fine-coarse soil mixtures for commercial/industrial land use, P&D recommends that no further action relative to the detected petroleum hydrocarbons be performed.

DISTRIBUTION

A copy of this report should be sent to Mr. Leroy Griffin at the City of Oakland Fire Department, and copies of the report should be uploaded to the Alameda County and GeoTracker ftp websites.

LIMITATIONS

This report was prepared solely for the use of Amelia Street Partners, LLC. The content and conclusions provided by P&D in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

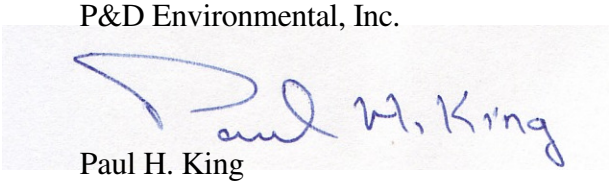
This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

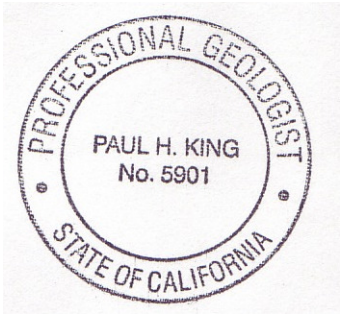
This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. P&D is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

Should you have any questions, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental, Inc.





Paul H. King
Professional Geologist #5901
Expires: 12/31/13

Attachments:

Table 1 - Summary of Piping Trench, Former Dispenser, and UST Pit Perimeter Soil Sample Analytical Results
Table 2 - Summary of UST Pit Water Sample Analytical Results
Table 3A - Summary of Soil Stockpile Sample Analytical Results – Organic Compounds
Table 3B - Summary of Soil Stockpile Sample Analytical Results – Inorganic Compounds
Table 4 - Summary of Tote Water Sample Analytical Results
Table 5 - Summary of Carbon Sample Analytical Results
Table 6A - Summary of Historical Soil Sample Analytical Results – Organic Compounds
Table 6B - Summary of Historical Soil Sample Analytical Results – Inorganic Compounds
Table 7 - Summary of Historical Groundwater Sample Analytical Results

Figure 1 - Site Location Map
Figure 2 - Site Vicinity Map
Figure 3 - Site Vicinity Map Detail

Appendix A - Non-Hazardous Waste Manifest #12141 for Filtered UST Liquid Disposal
Appendix B - Non-Hazardous Waste Manifest and Weight Ticket for Soil Disposal
Appendix C - Non-Hazardous Waste Manifest #12165 for Carbon Filter Disposal
Appendix D - Laboratory Analytical Reports and Chain of Custody Documentation

PHK/mld/hd/sjc
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TABLES

TABLE 1

Summary of Piping Trench, Former Dispenses, and UST Pit Perimeter Soil Sample Analytical Results

Sample ID	Sample Depth (Ft bgs)	Sample Location	Sample Date	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Lead
P1	0.7	Piping Trench.	3/28/2013	3.3, a	42, c,d,e	290, c,d,e	270, c,d,e	ND<0.05	ND<0.005	ND<0.005	ND<0.005	0.013	**80**
P2	1.0	Piping Trench.	3/28/2013	ND<1.0	88, c,d	270,c,d	200, c,d	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	**160**
D1	1.0	Under Former Dispenser	3/28/2013	29, a,b	16, c,d,e	82, c,d,e	56, c,d,e	ND<0.05	ND<0.005	0.43	ND<0.005	0.073	**280**
T1-6.0	6.0	Southwest end of UST.	3/28/2013	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	8.1
T2-6.0	6.0	Northeast end of UST.	3/28/2013	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	11
ESL [1]				*100*	*100*	*500*	*500*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*	*80*
ESL [2]				*500*	*500*	*2,500*	*2,500*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*	*320*

NOTES

Ft bgs = Feet below ground surface.

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.

MTBE = Methyl-tert-Butyl Ether

ND = Not Detected.

a = Laboratory analytical note: strongly aged gasoline or diesel range compounds are significant in TPH-G chromatogram.

b = Laboratory analytical note: no recognizable pattern.

c = Laboratory analytical note: oil range compounds are significant.

d = Laboratory analytical note: diesel range compounds are significant; no recognizable pattern.

e = Laboratory analytical note: gasoline range compounds are significant.

ESL [1] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table A-1–Shallow Soil Screening Levels, Groundwater is a current or potential drinking water resource, Residential Land Use.

ESL [2] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table A-2–Shallow Soil Screening Levels, Groundwater is a current or potential drinking water resource, Commercial/Industrial Land Use.

Results in bold indicate a concentration equal or exceeding the respective ESL[1] value.

Underlined Results indicate a concentration equal or exceeding the respective ESL[2] value.

Results and ESLs reported in milligrams per kilogram (mg/kg) unless otherwise indicated.

TABLE 2

Summary of UST Pit Water Sample Analytical Results

Borehole ID	Sample Date	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Lead
Pit Water 1	3/28/2013	**9,600, a,b**	**4,300, a,e,c,d**	**6,000, a,e,c,d**	**1,100, a,e,c,d**	NA	**8.5**	15	ND<5.0	5.7	1.1
ESL [1]		*100*	*100*	*100*	*100*	*5.0*	*1.0*	*40*	*30*	*20*	*25*
ESL [2]		*No Value*	*No Value*	*No Value*	*No Value*	*9,900*	*27*	*95,000*	*310*	*37,000*	*No Value*
ESL [3]		*No Value*	*No Value*	*No Value*	*No Value*	*100,000*	*270*	*No Value*	*3,100*	*No Value*	*No Value*

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.

MTBE = Methyl-tert-Butyl Ether

ND = Not Detected.

NA = Not Analyzed.

a = Laboratory analytical note: lighter than water immiscible sheen/product present on sample.

b = Laboratory analytical note: no recognizable pattern.

c = Laboratory analytical note: oil range compounds are significant.

d = Laboratory analytical note: diesel range compounds are significant; no recognizable pattern.

e = Laboratory analytical note: gasoline range compounds are significant.

ESL [1] =Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table F-1a – Groundwater Screening Levels, groundwater is a current or potential drinking water resource.

ESL [2] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table E-1 – Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion (Fine-Coarse Mix). Residential Land Use.

ESL [3] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table E-1 – Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion (Fine-Coarse Mix). Commercial/Industrial Land Use.

Results in bold indicate a concentration equal or exceeding the respective ESL[1] value.

Underlined Results indicate a concentration equal or exceeding the respective ESL[2] value.

Results and ESLs reported in milligrams per kilogram (mg/kg) unless otherwise indicated.

TABLE 3A

Summary of Soil Stockpile Sample Analytical Results - Organic Compounds

Sample ID	Sample Date	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260B
S1	3/29/2013	32, a,b	23, e,c,d	37, e,c,d	17, e,c,d	ND<0.010	ND<0.010	ND<0.010	0.014	0.063	ND, except
											Naphthalene = 0.052,
											n-Butyl benzene = 0.068,
											n-Propyl benzene = 0.021,
											1,2,4-Trimethylbenzene = 0.15,
											1,3,5-Trimethylbenzene = 0.15,
NOTES											
TPH-G = Total Petroleum Hydrocarbons as Gasoline.											
TPH-D = Total Petroleum Hydrocarbons as Diesel.											
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.											
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.											
MTBE = Methyl-tert-Butyl Ether											
VOCs = Volatile Organic Compounds.											
ND = Not Detected.											
a = Laboratory analytical note: strongly aged gasoline or diesel range compounds are significant in TPH-G chromatogram.											
b = Laboratory analytical note: no recognizable pattern.											
c = Laboratory analytical note: oil range compounds are significant.											
d = Laboratory analytical note: diesel range compounds are significant; no recognizable pattern.											
e = Laboratory analytical note: gasoline range compounds are significant.											
Results reported in milligrams per kilogram (mg/kg) unless otherwise indicated.											

TABLE 3B

Summary of Soil Stockpile Sample Analytical Results - Inorganic Compounds

Borehole ID	Sample Date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
S1*	3/29/2013	1.8	5.1	200	0.53	1.2	47	9.6	32	58	0.38	ND<0.5	44	ND<0.5	ND<0.5	ND<0.5	42	640
NOTES:																		
Sb =Antimony; As = Arsenic; Ba = Barium; Be = Beryllium; Cd = Cadmium; Cr = Chromium; Co = Cobalt; Cu = Copper; Pb =Lead; Hg = Mercury; Mo = Molybdenum;																		
Ni = Nickel; Se = Selenium; Ag = Silver; Tl = Thallium; V = Vanadium; Zn = Zinc																		
ND = Not Detected.																		
* = Sample S1 was additionally analyzed for STLC Lead. The results were 2.3 milligrams per Liter (mg/L), respectively..																		
Results reported in milligrams per kilogram (mg/kg) unless otherwise indicated.																		

TABLE 4

Summary of Tote Water Sample Analytical Results

Borehole ID	Sample Date	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Dissolved Lead	Flash Point (Degrees Celsius)
Tote Water Comp A, f	3/28/2013	NA	NA	NA	NA	NA	0.83	2.7	ND<0.5	0.74	ND<0.5	>100°C

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.
MTBE = Methyl-tert-Butyl Ether
ND = Not Detected.
NA = Not Analyzed.
f = Laboratory analytical note: weakly modified or unmodified gasoline is significant.
Results reported in micrograms per Liter (ug/L) unless otherwise indicated.

TABLE 5

Summary of Carbon Sample Analytical Results

Borehole ID	Sample Date	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Total Lead
Carbon 1, f	4/3/2013	NA	NA	NA	NA	NA	0.25	0.12	ND<0.025	ND<0.025	ND<5.0

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.
MTBE = Methyl-tert-Butyl Ether
ND = Not Detected.
NA = Not Analyzed.
f = Laboratory analytical note: weakly modified or unmodified gasoline is significant.
Results reported in micrograms per Liter (ug/L) unless otherwise indicated.

TABLE 6A

Summary of Historical Soil Sample Analytical Results - Organic Compounds

Sample ID	Sample Depth	Sample Date	TPH-G	TPH-SS	TPH-K	TPH-D	TPH-BO	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes	Other VOCs by EPA 8260
SB1-4.5	4.5	4/24/2008	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	All ND
SB2-4.5	4.5	4/24/2008	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	All ND
SB3-4.5	4.5	4/24/2008	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	All ND
SB4-4.5	4.5	4/24/2008	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	All ND
SB5-4.5	4.5	4/24/2008	ND<1.0	ND<1.0	ND<1.0	ND<1.0, a	4.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	All ND
SB6-4.5	4.5	4/24/2008	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<2.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	All ND
ESL [1]			*100*	*100*	*100*	*100*	*500*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*	*Various*
ESL [2]			*500*	*500*	*500*	*500*	*2,500*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*	*Various*

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

TPH-SS = Total Petroleum Hydrocarbons as Stoddard solvent.

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-BO = Total Petroleum Hydrocarbons as Bunker oil.

TPH-K = Total Petroleum Hydrocarbons as Kerosene.

MTBE = Methyl-tert-Butyl Ether.

VOCs = Volatile Organic Compounds.

ND = Not Detected.

a = Laboratory analytical note: oil range compounds.

ESL [1] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table A-1–Shallow Soil Screening Levels, Groundwater is a current or potential drinking water resource, Residential Land Use.

ESL [2] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table A-2–Shallow Soil Screening Levels, Groundwater is a current or potential drinking water resource, Commercial/Industrial Land Use.

Results and ESLs reported in milligrams per kilogram (mg/kg) unless otherwise indicated.

TABLE 6B

Summary of Historical Soil Sample Analytical Results - Inorganic Compounds

Sample ID	Sample Depth	Sample Date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
SB1-4.5	4.5	4/24/2008	0.50	**6.3**	240	0.86	ND<0.25	**79**	9.0	38	11	ND<0.05	ND<0.5	60	ND<0.5	ND<0.5	ND<0.5	74	83
SB2-4.5	4.5	4/24/2008	0.52	**12**	330	0.75	ND<0.25	**67**	32	33	12	ND<0.05	ND<0.5	68	ND<0.5	ND<0.5	ND<0.5	70	72
SB3-4.5	4.5	4/24/2008	ND<0.5	**5.4**	290	0.79	ND<0.25	**67**	7.8	34	10	ND<0.05	ND<0.5	49	ND<0.5	ND<0.5	ND<0.5	60	74
SB4-4.5	4.5	4/24/2008	ND<0.5	**6.0**	290	0.78	ND<0.25	**69**	10	34	9.9	ND<0.05	ND<0.5	58	ND<0.5	ND<0.5	ND<0.5	63	75
SB5-4.5	4.5	4/24/2008	ND<0.5	**4.5**	190	0.63	ND<0.25	**55**	5.9	25	7.6	ND<0.05	ND<0.5	43	ND<0.5	ND<0.5	ND<0.5	57	59
SB6-4.5	4.5	4/24/2008	ND<0.5	**3.6**	270	0.82	ND<0.25	**76**	7.0	38	9.4	ND<0.05	ND<0.5	55	ND<0.5	ND<0.5	ND<0.5	67	76
ESL [1]			*20*	*0.39*	*750*	*4.0*	*12.0*	*8.0*	*23*	*230*	*80*	*6.7*	*40*	150	10	20	0.78	200	600
ESL [2]			*40*	*0.96*	*1,500*	*8.0*	*12.0*	*8.0*	*80*	*230*	*320*	*10*	*40*	150	10	40	10	200	600

NOTES:

Sb = Antimony; As = Arsenic; Ba = Barium; Be = Beryllium; Cd = Cadmium; Cr = Chromium; Co = Cobalt; Cu = Copper; Pb = Lead; Hg = Mercury; Mo = Molybdenum; Ni = Nickel; Se = Selenium; Ag = Silver; Tl = Thallium; V = Vanadi

Zn = Zinc

ND = Not Detected.

ESL [1] =Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table A-1 – Shallow Soil Screening Levels, groundwater is a current or potential drinking water resource.

Residential land use

ESL [2] = Environmental Screening Level, developed by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table A-2 – Shallow Soil Screening Levels, groundwater is a current or potential drinking water resource.

Commercial/Industrial Land Use

Cr = Used ESL values for hexavalent chromium

Values in BOLD indicate concentrations that exceed the respective ESL[1] value.

Underlined values indicate concentrations that exceed the respective ESL[2] value.

Results and ESLs reported in milligrams per kilogram (mg/kg) unless otherwise indicatec

TABLE 7

Summary of Historical Groundwater Sample Analytical Results

Sample ID	Sample Date	TPH-G	TPH-SS	TPH-D	TPH-BO	MTBE by EPA 8021B	Benzene by EPA 8021B	Toluene by EPA 8021B	Ethylbenzene by EPA 8021B	VOCs by EPA 8260
SB1-W	4/24/2008	ND<50	ND<50	ND<50	ND<100	ND<5.0	ND<0.5	ND<0.5	ND<0.5	All ND except, MTBE = 2.2, TCE = 1.1, cis-1,2-DCE = 1.3
SB2-W	4/24/2008	ND<50	ND<50	ND<50	ND<100	ND<5.0	ND<0.5	ND<0.5	ND<0.5	All ND except, MTBE = 2.9, TCE = 2.6, cis-1,2-DCE = 0.68
SB3-W	4/24/2008	ND<50	ND<50	ND<50	ND<100	ND<5.0	ND<0.5	ND<0.5	ND<0.5	All ND except, MTBE = 1.4, TCE = **30**, cis-1,2-DCE = 1.3
SB4-W	4/24/2008	ND<50	ND<50	ND<50	ND<100	ND<5.0	ND<0.5	ND<0.5	ND<0.5	All ND except, MTBE = 2.9,
SB5-W	4/24/2008	ND<50	ND<50	ND<50	ND<100	ND<5.0	ND<0.5	ND<0.5	ND<0.5	All ND except, MTBE = 1.4, 1,1,1-TCA = 1.0, 1,1-DCE = 1.4, 1,1-DCA = 0.68
SB6-W	4/24/2008	ND<50	ND<50	ND<50	ND<100	ND<5.0	ND<0.5	ND<0.5	ND<0.5	All ND except, TCE = **100**, cis-1,2-DCE = 4.3
ESL [1]		*100*	*100*	*100*	*100*	*5.0*	*1.0*	*40*	*30*	*MTBE = 5.0, TCE = 5.0, cis-1,2-DCE = 6.0, 1,1,1-TCA = 62, 1,1-DCE = 6.0, 1,1-DCA = 5.0*
ESL [2]		*No Value*	*No Value*	*No Value*	*No Value*	*9,900*	*27*	*95,000*	*31*	*MTBE = 9,900, TCE = 130, cis-1,2-DCE = No Value, 1,1,1-TCA = 720,000, 1,1-DCE = 16,000, 1,1-DCA = No Value*
ESL [3]		*No Value*	*No Value*	*No Value*	*No Value*	*100,000*	*270*	*No Value*	*3,100*	MTBE = 100,000, TCE = 1,300, cis-1,2-DCE = No Value, 1,1,1-TCA = No Value, 1,1-DCE = 130,000, 1,1-DCA = No Value

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

TPH-SS = Total Petroleum Hydrocarbons as Stoddard solvent.

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-BO = Total Petroleum Hydrocarbons as Bunker oil.

MTBE = Methyl-tert-Butyl Ether.

VOCs = Volatile Organic Compounds.

TCE = Trichloroethene.

cis-1,2-DCE = cis-1,2-Dichloroethene.

1,1,1-TCA = 1,1,1-Trichloroethane.

1,1-DCE = 1,1-Dichloroethene.

1,1-DCA = 1,1-Dichloroethane.

ND = Not Detected.

ESL [1] =Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table F-1a – Groundwater Screening Levels, groundwater is a current or potential drinking water resource.

ESL [2] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table E-1 – Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion (Fine-Coarse Mix). Residential Land Use.

ESL [3] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated May 2013, from Table E-1 – Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion (Fine-Coarse Mix). Commercial/Industrial Land Use.

Values in BOLD indicate concentrations that exceed the respective Table A ESL value.

Underlined Results indicate a concentration equal or exceeding the respective ESL [2] value.

Results and ESLs reported in micrograms per liter (µg/L) unless otherwise indicated.

FIGURES

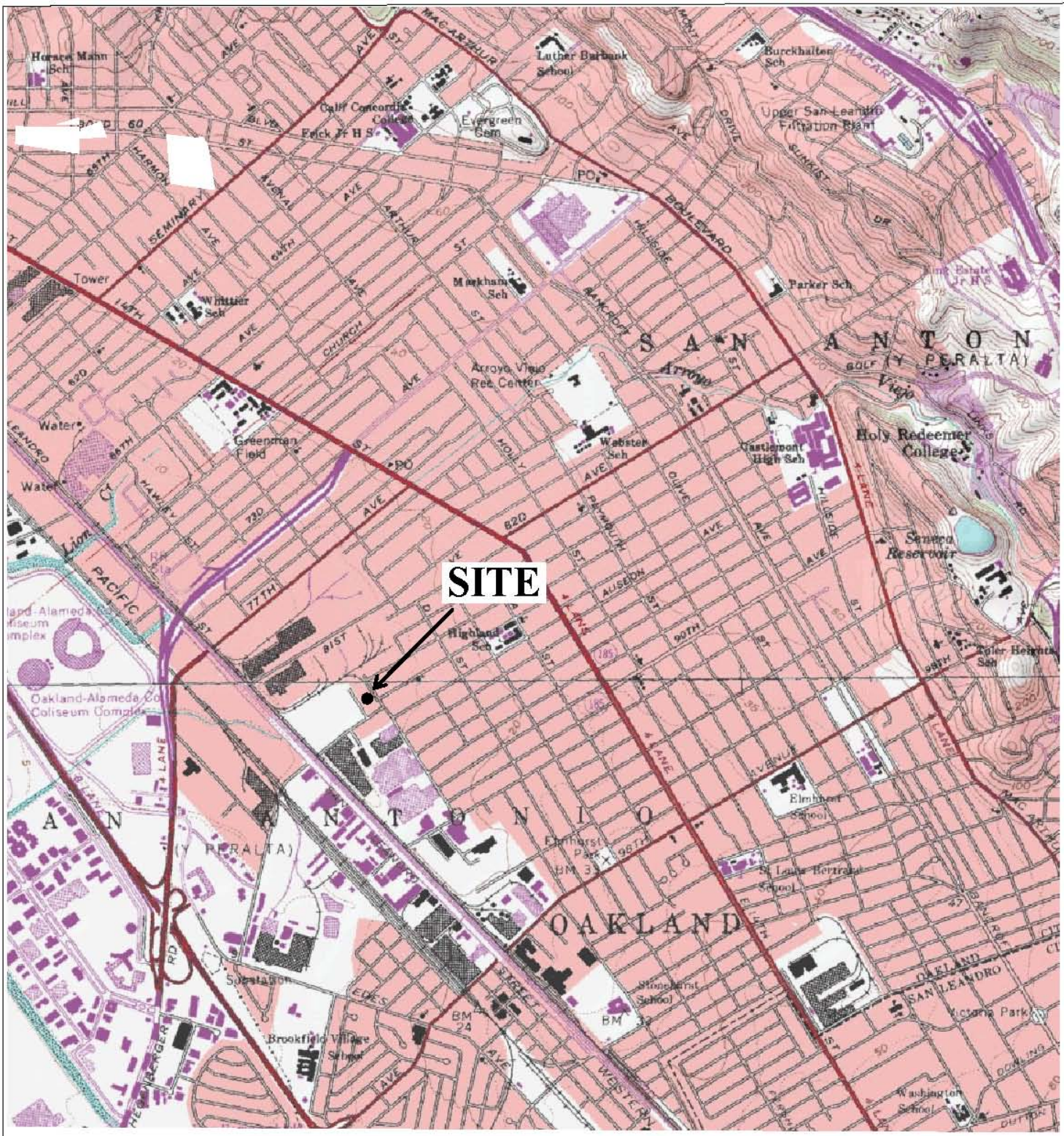

Figure 1
Site Location Map
8410 Amelia Street
Oakland, California

N

Base Map From:
US Geological Survey Oakland East, California, and San Leandro, California
7.5-Minute Quadrangles
Photorevised 1980

P&D Environmental, Inc.
55 Santa Clara Avenue
Oakland, CA 94610

0 1000 2000
Scale in Feet

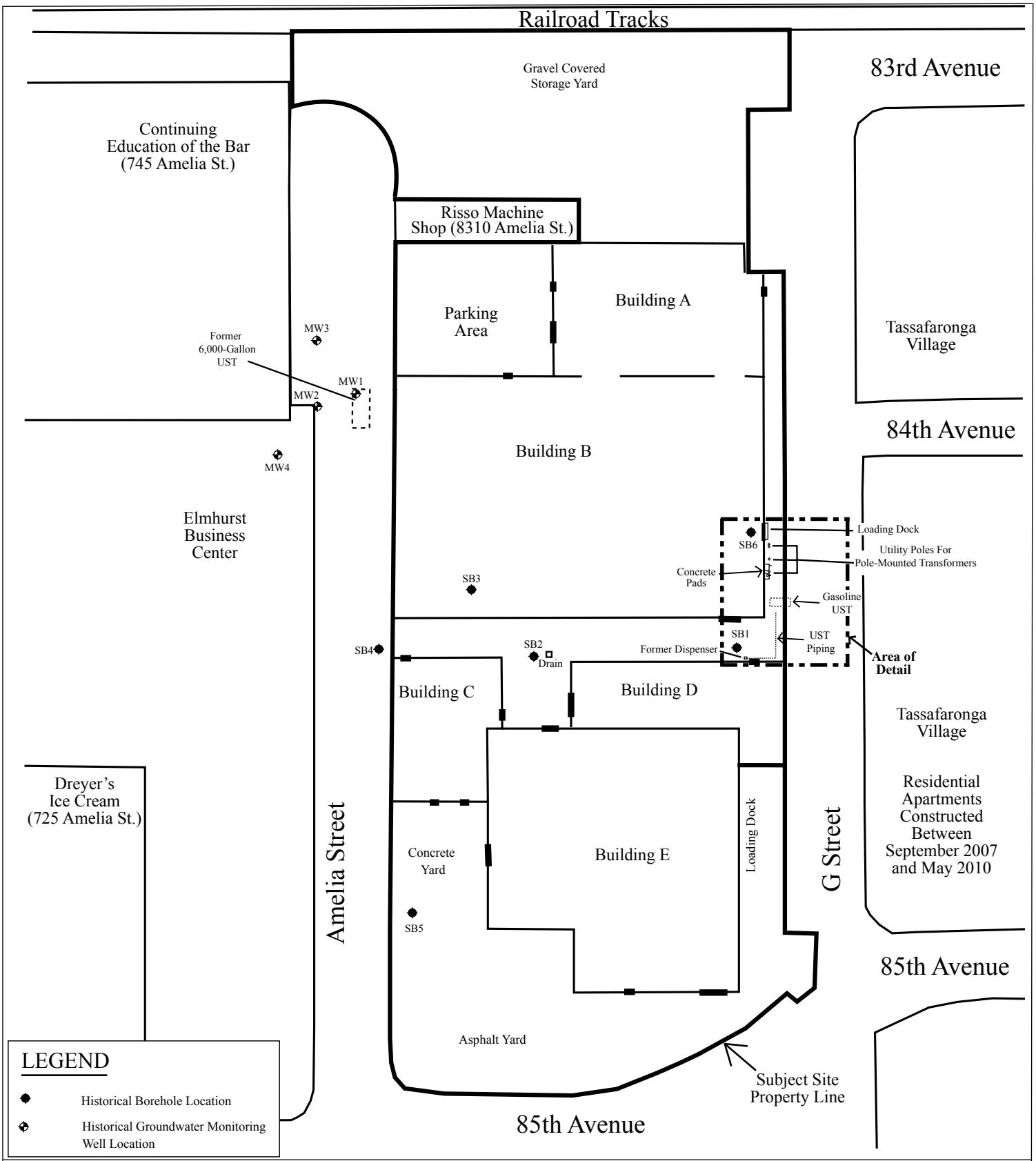

Figure 2
Site Vicinity Map
8410 Amelia Street
Oakland, California

Base Map From:
Basics Environmental, Inc., May 2008

P&D Environmental, Inc.
55 Santa Clara Avenue
Oakland, CA 94610

0 40 80
Approximate Scale in Feet

N

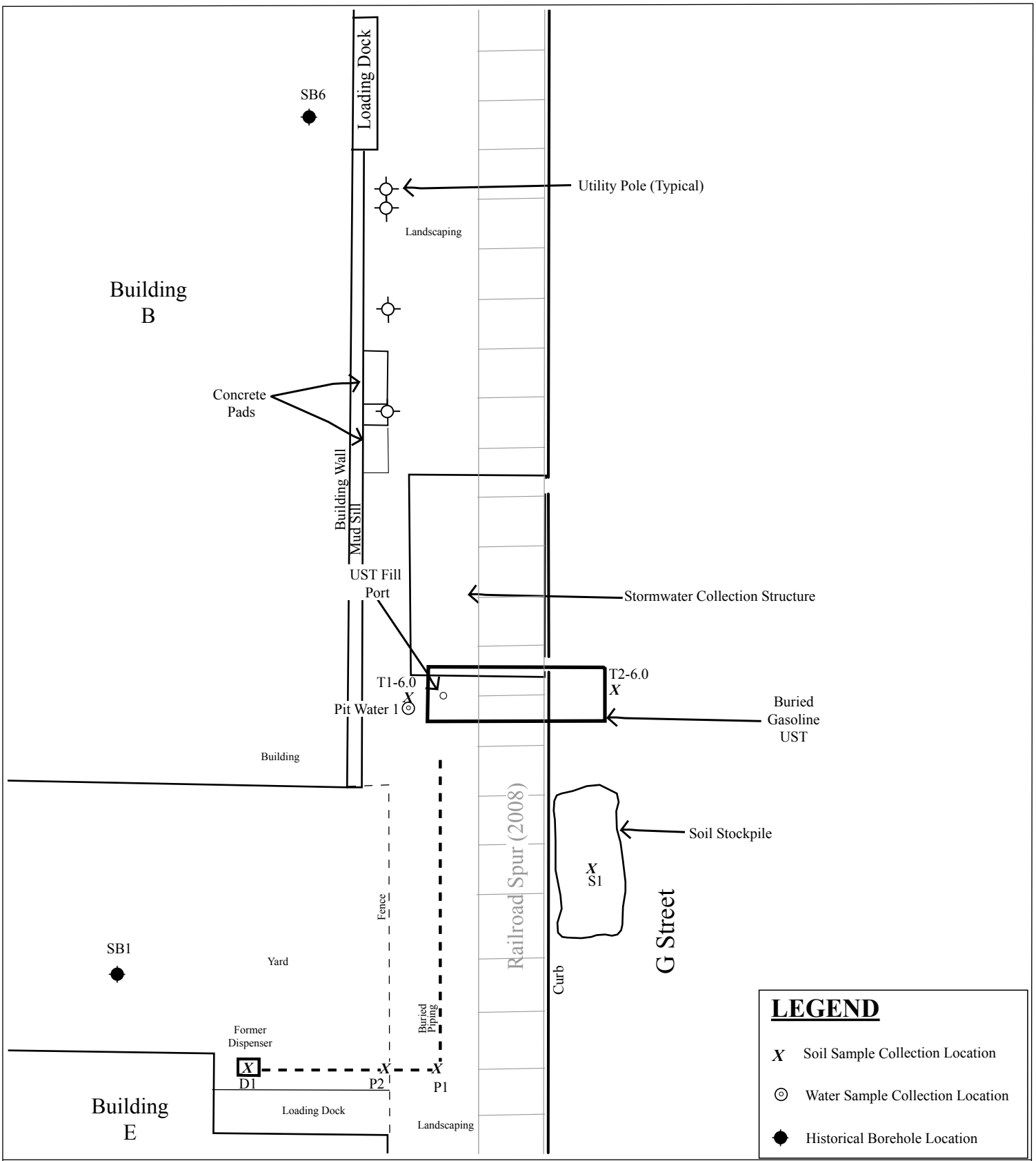

Figure 3
Site Vicinity Map Detail
8410 Amelia Street
Oakland, California

Base Map From:
Basics Environmental, Inc., May 2008,
P&D Environmental, Inc., October 2011

P&D Environmental, Inc.
55 Santa Clara Avenue
Oakland, CA 94610

0 5 10
Approximate Scale in Feet

N

APPENDIX A

Non-Hazardous Waste Manifest # 12141 for Filtered UST Liquid Disposal

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number 12141

GENERATOR

4. Generator's Name and Mailing Address

8410 Amelia Street
Oakland, CA 94621

Generator's Phone

5. Transporter Company Name	6. US EPA ID Number	7. Transporter Phone
~~CLEARWATER ENVIRONMENTAL~~ Icon Environmental Services	~~CAR000007913~~ CAL 000 362 980	(510) 476-1740

8. Designated Facility Name and Site Address	9. US EPA ID Number	10. Facility's Phone
Icon Environmental Services Inc 1220 Whipple Road Union City, CA 94587	CAL 000 369 026	510-476-1740

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous waste Liquid	001	TT	0550	G
b.				

15. Special Handling Instructions and Additional Information

Wear PPE
Emergency Contact
(510) 476-1740
Attn: Charles Seaton

P & D Environmental

Handling Codes for Wastes Listed Above	
11a.	11b.

TRANSPORTER

16. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
In Lieu of Mike Brown Sr	In Lieu of	4	12	13

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Mike Brown Sr		4	12	13

FACILITY

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name	Signature	Month	Day	Year
Charles Seaton		04	15	13

WHITE–ORIGINAL (Return to Generator) YELLOW–TSDF (Retain Copy) PINK–TRANSPORTER COPY GOLDENROD-GENERATOR'S COPY

APPENDIX B

Soil Disposal Non-Hazardous Waste Manifest and Weight Ticket for Soil Disposal

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
N/A		1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Amelia Street Parteners, LLC 8410 Amelia St. Oakland, CA 94621 f. Phone:510-390-0280	Amelia Street 1475 Powell St Emeryville, CA 94608 g. Phone:510-390-0280
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3850135525	04/02/14	Soil Stockpile				CY

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
IMX, Inc.
4200 Park Blvd #253
Oakland, CA 94602
b. Phone: 510-715-3999

c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Vasco Rd. Landfill 4001 N. Vasco. Rd. Livermore, CA 94551 b. Phone: 925-447-0491		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE
Vasco Road Landfill
Livermore, CA 925-447-0491

CUSTOMER
021260
P&D ENVIRONMENTAL (exempt acct)
55 SANTA CLARA AVE, STE. 240
OAKLAND, CA 94611
3850135525

SITE	TICKET #	CELL
01	901244	

WEIGHMASTER: Maria P.

DATE/TIME IN	DATE/TIME OUT
04-19-2013 11:50 am	04-19-2013 11:50 am

VEHICLE: IMX05
CONTAINER:
REFERENCE: INVOICE
BILL OF LADING:

MANUAL IN	GROSS WEIGHT	42,800	NET TONS	7.30
MANUAL OUT	TARE WEIGHT	28,200	NET WEIGHT	14,600

INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	TRACKING QTY				
7.30	TN	SW-CONT SOIL-ALT DAILY COVE OAKLAND				

This is to certify that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accurace, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food & Agriculture.

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NET AMOUNT
TENDERED
CHANGE
CHECK#

RS-F042UPR (07/12)

APPENDIX C

Non-Hazardous Waste Manifest # 12165 for Carbon Filter Disposal

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	2. Page 1 of 1	3. Document Number 12165

GENERATOR

4. Generator's Name and Mailing Address

8410 Amelia Street
Oakland, CA 94621

Generator's Phone

5. Transporter Company Name	6. US EPA ID Number	7. Transporter Phone
~~Icon Environmental Services~~ ~~CLEARWATER ENVIRONMENTAL~~	~~CAL 000 362 980~~ ~~CAR000007013~~	(510) 476-1740

8. Designated Facility Name and Site Address	9. US EPA ID Number	10. Facility's Phone
Icon Environmental Services Inc 1220 Whipple Road Union City, CA 94587	CAL 000 369 026	510-476-1740

11. Waste Shipping Name and Description	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous waste - Solid	002	DM	600	P
b.				

15. Special Handling Instructions and Additional Information

Wear PPE
Emergency Contact
(510) 476-1740
Attn: Charles Seaton

P & D Environmental

Handling Codes for Wastes Listed Above	
11a.	11b.

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Signed on behalf of Generator		04	12	13

TRANSPORTER

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William Clark		04	12	13

FACILITY

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name	Signature	Month	Day	Year

WHITE–ORIGINAL (Return to Generator) YELLOW–TSDF (Retain Copy) PINK–TRANSPORTER COPY GOLDENROD-GENERATOR'S COPY

APPENDIX D

Laboratory Analytical Reports and Chain of Custody Documentation

- **McCampbell Work Order # 1303836 : Soil Sample S1: TPH-G, TPH-D, TPH-MO, TPH-BO, EPA 8260, CAM 17**
- **McCampbell Work Order # 1303836A : Soil Sample S1: STLC Lead**
- **McCampbell Work Order # 1303837 : Soil Samples P1, P2, D1, T1-6.0, T2-6.0: TPH-G, TPH-D, TPH-MO, TPH-BO, MBTEX, Total Lead**
- **McCampbell Work Order # 1303838: Water Sample PIT WATER 1: TPH-G, TPH-D, TPH-MO, TPH-BO, BTEX, Lead (Dissolved)**
- **McCampbell Work Order # 1303839: TOTE WATER COMP A: Flash Point, BTEX, Lead (Dissolved)**
- **McCampbell Work Order # 1304093: Carbon 1: BTEX and Lead**

McCampbell Analytical, Inc.
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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/28/13
		Date Received: 03/29/13
	Client Contact: Michael Deschenes	Date Reported: 04/02/13
	Client P.O.:	Date Completed: 04/02/13

WorkOrder: 1303837

April 02, 2013

Dear Michael:

Enclosed within are:

1) The results of the **5** analyzed samples from your project: **#0453; 840 Amelia St., Oakland CA,**
2) QC data for the above samples, and
3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

1303837

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

RUSH

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0454

PROJECT NAME: 8410 AMELIA ST OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE) MICHAEL DESCHENES Michael Deschenes

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-G, D, EO, MO	MTBE	TOTAL LEAD	PRESERVATIVE	REMARKS
P1	3/28/13	1050	SOIL	Pipe Trench	1	X	X	X	ICE	48-HOURS RUSH ~~NORMAL TURN AROUND~~
P2	3/28/13	1210	"	Pipe Trench	1	X	X	X	"	" "
D1	3/28/13	1130	"	Dispenser	1	X	X	X	"	" "
T1-6.0	3/28/13	1245	"	UST Pit West End	1	X	X	X	"	" "
T2-6.0	3/28/13	1500	"	UST East End	1	X	X	X	"	" "

ICE/T° 3.8
GOOD CONDITION ✓
HEAD SPACE ABSENT
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
VOAS | O&G | METALS | OTHER
PRESERVATION

RELINQUISHED BY: (SIGNATURE) Michael Deschenes	DATE 3/29/13	TIME 1346	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 5	LABORATORY: MC CAMPBELL ANALYTICAL, INC.
RELINQUISHED BY: (SIGNATURE)	DATE 3/29/13	TIME 1515	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment) 5	LABORATORY CONTACT: ANGELA RYDELIUS
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	LABORATORY PHONE NUMBER: (877) 252-9262

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1303837 **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Michael Deschenes
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com; Michael.Deschenes@p
cc:
PO:
ProjectNo: #0453; 840 Amelia St., Oakland CA

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 2 days

Date Received: **03/29/2013**
Date Printed: **03/29/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1303837-001	P1	Soil	3/28/2013 10:50	☐	A	A	A									
1303837-002	P2	Soil	3/28/2013 12:10	☐	A	A	A									
1303837-003	D1	Soil	3/28/2013 11:30	☐	A	A	A									
1303837-004	T1-6.0	Soil	3/28/2013 12:45	☐	A	A	A									
1303837-005	T2-6.0	Soil	3/28/2013 15:00	☐	A	A	A									

Test Legend:

1	G-MBTEX_S	2	PB_S	3	TPH_S	4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments: 48hr Rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **P & D Environmental**
Date and Time Received: **3/29/2013 3:31:48 PM**

Project Name: **#0453; 840 Amelia St., Oakland CA**
LogIn Reviewed by: Maria Venegas

WorkOrder N°: **1303837** Matrix: Soil
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Comments:

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P & D Environmental	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/28/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Michael Deschenes	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 03/29/13-03/31/13

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1303837

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	P1	S	3.3	ND	ND	ND	ND	0.013	1	86	d7
002A	P2	S	ND	ND	ND	ND	ND	ND	1	92	
003A	D1	S	29	ND	ND	0.43	ND	0.073	1	84	d7,d9
004A	T1-6.0	S	ND	ND	ND	ND	ND	ND	1	101	
005A	T2-6.0	S	ND	ND	ND	ND	ND	ND	1	99	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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P & D Environmental	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/28/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Michael Deschenes	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 04/01/13

Lead by ICP*

Extraction method: SW3050B | Analytical methods: SW6010B | Work Order: 1303837

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS	Comments
1303837-001A	P1	S	TOTAL	80	1	95	
1303837-002A	P2	S	TOTAL	160	1	98	
1303837-003A	D1	S	TOTAL	280	1	105	
1303837-004A	T1-6.0	S	TOTAL	8.1	1	99	
1303837-005A	T2-6.0	S	TOTAL	11	1	98	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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Angela Rydelius, Lab Manager

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P & D Environmental	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/28/13
55 Santa Clara, Ste.240		Date Received: 03/29/13
	Client Contact: Michael Deschenes	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 03/30/13-04/02/13

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3550B Analytical methods: SW8015B Work Order: 1303837

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	TPH-Bunker Oil (C10-C36)	DF	% SS	Comments
001A	P1	S	42	270	290	5	96	e7,e2,e4
002A	P2	S	88	200	270	2	93	e7,e2
003A	D1	S	16	56	82	1	96	e7,e2,e4
004A	T1-6.0	S	ND	ND	ND	1	103	
005A	T2-6.0	S	ND	ND	ND	1	107	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	ug/L
	S	1.0	5.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.
e7) oil range compounds are significant

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR 6010B

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 75932 | WorkOrder: 1303837

EPA Method: SW6010B **Extraction: SW3050B** **Spiked Sample ID: 1303789-006A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Lead	57	50	NR	NR	NR	84.8	N/A	N/A	75 - 125
%SS:	103	500	95	103	7.48	89	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75932 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303837-001A	03/28/13 10:50 AM	03/29/13	04/01/13 1:50 PM	1303837-002A	03/28/13 12:10 PM	03/29/13	04/01/13 1:53 PM
1303837-003A	03/28/13 11:30 AM	03/29/13	04/01/13 2:02 PM	1303837-004A	03/28/13 12:45 PM	03/29/13	04/01/13 2:05 PM
1303837-005A	03/28/13 3:00 PM	03/29/13	04/01/13 2:07 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 75944 | WorkOrder: 1303837

EPA Method: SW8015B **Extraction: SW3550B** **Spiked Sample ID: 1303802-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH-Diesel (C10-C23)	440	40	NR	NR	NR	109	N/A	N/A	70 - 130
%SS:	103	25	NR	NR	NR	93	N/A	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75944 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303837-001A	03/28/13 10:50 AM	03/29/13	03/30/13 8:35 AM	1303837-002A	03/28/13 12:10 PM	03/29/13	03/30/13 1:09 PM
1303837-003A	03/28/13 11:30 AM	03/29/13	03/30/13 1:44 AM	1303837-004A	03/28/13 12:45 PM	03/29/13	04/02/13 9:12 AM
1303837-005A	03/28/13 3:00 PM	03/29/13	04/02/13 9:12 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 75948 | WorkOrder: 1303837

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1303815-043A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH(btex)£	ND	0.60	120	125	4.74	102	70 - 130	20	70 - 130
MTBE	ND	0.10	107	104	2.72	105	70 - 130	20	70 - 130
Benzene	ND	0.10	104	101	3.68	100	70 - 130	20	70 - 130
Toluene	ND	0.10	103	100	2.51	104	70 - 130	20	70 - 130
Ethylbenzene	ND	0.10	109	106	3.10	108	70 - 130	20	70 - 130
Xylenes	ND	0.30	114	111	2.80	114	70 - 130	20	70 - 130
%SS:	105	0.10	104	97	6.29	100	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75948 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303837-001A	03/28/13 10:50 AM	03/29/13	03/31/13 4:12 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644 _____ QA/QC Officer

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http://www.mccampbell.com / E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 75971 | WorkOrder: 1303837

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1303823-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH(btex)£	ND	0.60	108	102	6.42	109	70 - 130	20	70 - 130
MTBE	ND	0.10	109	94	14.6	108	70 - 130	20	70 - 130
Benzene	ND	0.10	106	101	4.93	106	70 - 130	20	70 - 130
Toluene	ND	0.10	107	103	4.48	107	70 - 130	20	70 - 130
Ethylbenzene	ND	0.10	109	103	4.79	108	70 - 130	20	70 - 130
Xylenes	ND	0.30	117	111	5.01	116	70 - 130	20	70 - 130
%SS:	107	0.10	94	96	2.19	72	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75971 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303837-002A	03/28/13 12:10 PM	03/29/13	03/29/13 9:04 PM	1303837-003A	03/28/13 11:30 AM	03/29/13	03/29/13 10:04 PM
1303837-004A	03/28/13 12:45 PM	03/29/13	03/29/13 10:34 PM	1303837-005A	03/28/13 3:00 PM	03/29/13	03/29/13 9:34 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Analytical Report

P & D Environmental	Client Project ID: #0453; 8410 Amelia St.	Date Sampled: 03/28/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Reported: 04/02/13
Oakland, CA 94610	Client P.O.:	Date Completed: 04/02/13

WorkOrder: 1303838

April 02, 2013

Dear Paul:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#0453; 8410 Amelia St.,**
2) QC data for the above sample, and
3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

CHAIN OF CUSTODY RECORD

1303838

PAGE 1 OF 1

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

RUSH

PROJECT NUMBER: 0453

PROJECT NAME: 8410 AMELIA ST. OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE) MICHAEL DESCHENES Michael Deschenes

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-G, D, EO, MO	BTEX	LEAD (dissolved)	PRESERVATIVE	REMARKS
+ PIT WATER 1	3/28/13	1530	H2O	Hand Augered Borehole Adjacent to UST Pit West End	8	X	X	X	ICE	48-HOUR ~~RUSH~~

ICE/T° 2°
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION

APPROPRIATE CONTAINERS
PRESERVED IN LAB

VOAS	O&G	METALS	OTHER

RELINQUISHED BY: (SIGNATURE) Michael Deschenes	DATE 3/29/13	TIME 346	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 1	LABORATORY: McCAMPBELL ANALYTICAL, INC.	
RELINQUISHED BY: (SIGNATURE)	DATE 3/29/13	TIME 1515	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment) 8	LABORATORY CONTACT: ANGELA RYDELIUS	LABORATORY PHONE NUMBER: (877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO		

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: VOA's AND 1-LITER AMBERS PRESERVED WITH HCL
500-ML POLYS UNPRESERVED – Please filter and preserve before analysis

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1303838 **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0453; 8410 Amelia St.

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 2 days

Date Received: **03/29/2013**
Date Printed: **03/29/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1303838-001	Pit Water 1	Water	3/28/2013 15:30	☐	A	B	B	C								

Test Legend:

1	G-MBTEX_W	2	PBMS_DISS	3	PRDISSOLVED	4	TPH(DMO)_W	5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **P & D Environmental**
Date and Time Received: **3/29/2013 3:48:18 PM**

Project Name: **#0453; 8410 Amelia St.**
LogIn Reviewed by: Zoraida Cortez

WorkOrder N°: **1303838** Matrix: Water
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 2.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Comments:

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P & D Environmental	Client Project ID: #0453; 8410 Amelia St.	Date Sampled: 03/28/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 03/29/13

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1303838

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	Pit Water 1	W	9600	---	8.5	15	ND<5.0	5.7	10	---#	d9,b6

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
b6) lighter than water immiscible sheen/product is present
d9) no recognizable pattern

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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P & D Environmental	Client Project ID: #0453; 8410 Amelia St.	Date Sampled: 03/28/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 03/29/13

Lead by ICP-MS*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 1303838

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS	Comments
1303838-001B	Pit Water 1	W	DISS.	1.1	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	DISS.	0.5	µg/L
	S	TOTAL	NA	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

DHS ELAP Certification 1644

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P & D Environmental	Client Project ID: #0453; 8410 Amelia St.	Date Sampled: 03/28/13
55 Santa Clara, Ste.240		Date Received: 03/29/13
	Client Contact: Paul King	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 04/01/13

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C Analytical methods: SW8015B Work Order: 1303838

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	TPH-Bunker Oil (C10-C36)	DF	% SS	Comments
001C	Pit Water 1	W	4300	1100	6000	1	96	e4,e7,e2,b6

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	100	µg/L
	S	NA	NA	NA	mg/Kg

* water samples are reported in µg/L, filter samples samples in µg/filter, µg/wipe in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
b6) lighter than water immiscible sheen/product is present
e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.
e7) oil range compounds are significant

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 75964 | WorkOrder: 1303838

EPA Method: SW8015B **Extraction: SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	122	N/A	N/A	70 - 130
%SS:	N/A	625	N/A	N/A	N/A	93	N/A	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75964 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303838-001C	03/28/13 3:30 PM	03/29/13	04/01/13 3:31 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 75968 | WorkOrder: 1303838

EPA Method: E200.8 **Extraction: E200.8** **Spiked Sample ID: 1303840-001B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Lead	68	50	89.4	88.4	0.443	94.3	70 - 130	20	85 - 115
%SS:	104	750	101	98	2.99	94	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75968 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303838-001B	03/28/13 3:30 PM	03/29/13	03/29/13 9:39 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 75995 | WorkOrder: 1303838

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1303846-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH(btex)£	ND	60	98	102	4.44	100	70 - 130	20	70 - 130
MTBE	ND	10	84	94.3	11.0	87.3	70 - 130	20	70 - 130
Benzene	ND	10	99.2	105	5.64	106	70 - 130	20	70 - 130
Toluene	ND	10	99.8	105	5.18	107	70 - 130	20	70 - 130
Ethylbenzene	ND	10	100	106	5.13	107	70 - 130	20	70 - 130
Xylenes	ND	30	101	106	4.99	107	70 - 130	20	70 - 130
%SS:	103	10	98	99	0.436	100	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75995 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303838-001A	03/28/13 3:30 PM	03/29/13	03/29/13 8:48 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QA/QC Officer

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

P & D Environmental	Client Project ID: #0453; 8410 Amelia St.	Date Sampled: 03/28/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Reported: 04/02/13
Oakland, CA 94610	Client P.O.:	Date Completed: 04/02/13

WorkOrder: 1303839

April 02, 2013

Dear Paul:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#0453; 8410 Amelia St.,**
2) QC data for the above sample, and
3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

CHAIN OF CUSTODY RECORD

1303839

PAGE 1 OF 1

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER:	PROJECT NAME:
0453	8410 AMELIA ST. OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE)
MICHAEL DESCHENES Michael Deschenes

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): ~~TPH(g)~~ Flash Point	BTEX	~~TPH~~ LEAD (dissolved)	PRESERVATIVE	REMARKS
+ TOTE WATER COMP A	3/28/13	1430	H2O	TOTE 1) *	6	X	X	X	ICE	~~NORMAL TURN AROUND~~
	3/29/13	1045	H2O	TOTE 2) COMPOSITE INTO TOTE WATER COMP A PRIOR TO ANALYSIS	6					48-HOURS RUSH

RUSH

} COMPOSITE INTO ONE SAMPLE PRIOR TO ANALYSIS

ICE/T° 2 4
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION

APPROPRIATE CONTAINERS	PRESERVED IN LAB	VOAS	O&G	METALS	OTHER

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment)	2	LABORATORY:
Michael Deschenes	3/29/13	1546		Total No. of Containers (This Shipment)	12	Mc CAMPBELL ANALYTICAL, INC.
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT:		LABORATORY PHONE NUMBER:
	3/29/13	1515		ANGELA RYDELIUS		(877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO		

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS: * PLEASE COMPOSITE INTO SAMPLE TOTE WATER COMP A PRIOR TO ANALYSIS VOA's WITH HCL 500-ML POLYs UNPRESERVED

Plse filter and preserve prior to metals analysis.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1303839 **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0453; 8410 Amelia St.

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 2 days

Date Received: **03/29/2013**
Date Printed: **03/29/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1303839-001	Tote Water Comp A	Water	3/28/2013 14:30	☐	B	A	B	B								

Test Legend:

1	FLASH_W	2	G-MBTEX_W	3	PBMS_DISS	4	PRDISSOLVED	5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **P & D Environmental** Date and Time Received: **3/29/2013 3:57:28 PM**

Project Name: **#0453; 8410 Amelia St.** LogIn Reviewed by: Zoraida Cortez

WorkOrder N°: **1303839** Matrix: Water Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☐	No ☑	
Container/Temp Blank temperature	Cooler Temp: 2.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Comments: Tote 1 was received out of hold time.

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P & D Environmental	Client Project ID: #0453; 8410 Amelia St.	Date Sampled: 03/28/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 04/01/13
Oakland, CA 94610	Client P.O.:	Date Analyzed 04/01/13

Flash Point*

Analytical Method: SW1010 Work Order: 1303839

Lab ID	Client ID	Matrix	Flash Point	Comments
1303839-001B	Tote Water Comp A	W	>100 °C	

Reporting Limit or Method Accuracy and Reporting Units; ND means not detected at or above the reporting limit	W	±2 °C	
	S	NA	

DF = Dilution Factor

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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P & D Environmental	Client Project ID: #0453; 8410 Amelia St.	Date Sampled: 03/28/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 03/29/13

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1303839

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	Tote Water Comp A	W	---	---	0.83	2.7	ND	0.74	1	107	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
d1) weakly modified or unmodified gasoline is significant

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Angela Rydelius, Lab Manager

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P & D Environmental	Client Project ID: #0453; 8410 Amelia St.	Date Sampled: 03/28/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 03/29/13

Lead by ICP-MS*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 1303839

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS	Comments
1303839-001B	Tote Water Comp A	W	DISS.	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	DISS.	0.5	µg/L
	S	TOTAL	NA	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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QC SUMMARY REPORT FOR WET CHEMISTRY TESTS

Test Method: **SW1010 (Flash Point)** **Matrix:** **W** **WorkOrder:** **1303839**

Method Name: SW1010			Units: ± °C			BatchID: 75947
Lab ID	Sample	DF	Dup / Ser. Dil.	DF	Precision	Acceptance Criteria
1303839-001B	>100 °C	1	>100 °C	1	N/A	2

BATCH 75947 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303839-001B	03/28/13 2:30 PM	04/01/13	04/01/13 9:30 PM				

Dup = Duplicate; Ser. Dil. = Serial Dilution; MS = Matrix Spike; RD = Relative Difference; RPD = Relative Percent Deviation.

Precision = Absolute Value (Sample - Duplicate)

RPD = 100 * (Sample - Duplicate) / [(Sample + Duplicate) / 2]

%RPD is calculated using results of up to 10 significant figures, however the reported results are rounded to 2 or 3 significant figures. Therefore there may be a slight discrepancy between the %RPD displayed above and %RPD calculated using the reported results. MAI considers %RPD based upon more significant figures to be more accurate.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 75995 | WorkOrder: 1303839

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1303846-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH(btex)£	ND	60	98	102	4.44	100	70 - 130	20	70 - 130
MTBE	ND	10	84	94.3	11.0	87.3	70 - 130	20	70 - 130
Benzene	ND	10	99.2	105	5.64	106	70 - 130	20	70 - 130
Toluene	ND	10	99.8	105	5.18	107	70 - 130	20	70 - 130
Ethylbenzene	ND	10	100	106	5.13	107	70 - 130	20	70 - 130
Xylenes	ND	30	101	106	4.99	107	70 - 130	20	70 - 130
%SS:	103	10	98	99	0.436	100	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75995 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303839-001A	03/28/13 2:30 PM	03/29/13	03/29/13 8:18 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water | QC Matrix: Water | BatchID: 75968 | WorkOrder: 1303839

EPA Method: E200.8 **Extraction: E200.8** **Spiked Sample ID: 1303840-001B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Lead	68	50	89.4	88.4	0.443	94.3	70 - 130	20	85 - 115
%SS:	104	750	101	98	2.99	94	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75968 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303839-001B	03/28/13 2:30 PM	03/29/13	03/29/13 9:42 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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Analytical Report

P & D Environmental 55 Santa Clara, Ste.240 Oakland, CA 94610	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/29/13
		Date Received: 03/29/13
	Client Contact: Michael Deschenes	Date Reported: 04/02/13
	Client P.O.:	Date Completed: 04/02/13

WorkOrder: 1303836

April 02, 2013

Dear Michael:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#0453; 840 Amelia St., Oakland CA,**
2) QC data for the above sample, and
3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

1303836

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

RUSH

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0453

PROJECT NAME: 8410 AMELIA St. OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE) MICHAEL DESCHENES Michael Deschenes

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-mult (GxDxMo)	EPA 8260	CAM 17	PRESERVATIVE	REMARKS
S1	3/29/13	1100	SOIL	Soil Stockpile	1	X	X	X	ICE	48-HOURS RUSH

ICE/t° 3.8
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ___ PRESERVED IN LAB ___
DECHLORINATED IN LAB ___
VOAS | O&G | METALS | OTHER
PRESERVATION ___

	DATE	TIME			
RELINQUISHED BY: (SIGNATURE) Michael Deschenes	3/29/13	1340	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment): 1	LABORATORY: McCAMPBELL ANALYTICAL, INC
RELINQUISHED BY: (SIGNATURE)	3/29/13	1515	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment): 1	LABORATORY CONTACT: ANGELA RYDELIUS / LABORATORY PHONE NUMBER: (877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1303836 **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Michael Deschenes
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com; Michael.Deschenes@p
cc:
PO:
ProjectNo: #0453; 840 Amelia St., Oakland CA

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 2 days

Date Received: **03/29/2013**
Date Printed: **03/29/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1303836-001	S1	Soil	3/29/2013 11:00	☐	A	A	A									

Test Legend:

1	8260B_S	2	CAM17MS_S	3	G-MBTEX_S	4		5	
6		7		8		9		10	
11		12							

The following SampID: 001A contains testgroup.

Prepared by: Maria Venegas

Comments: 48hr Rush

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **P & D Environmental**
Date and Time Received: **3/29/2013 3:25:39 PM**

Project Name: **#0453; 840 Amelia St., Oakland CA**
LogIn Reviewed by: Maria Venegas

WorkOrder N°: **1303836** Matrix: Soil
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Comments:

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P & D Environmental	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/29/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Michael Deschenes	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 03/30/13

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 1303836

Lab ID	1303836-001A
Client ID	S1
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<0.10	2.0	0.05	tert-Amyl methyl ether (TAME)	ND<0.010	2.0	0.005
Benzene	ND<0.010	2.0	0.005	Bromobenzene	ND<0.010	2.0	0.005
Bromochloromethane	ND<0.010	2.0	0.005	Bromodichloromethane	ND<0.010	2.0	0.005
Bromoform	ND<0.010	2.0	0.005	Bromomethane	ND<0.010	2.0	0.005
2-Butanone (MEK)	ND<0.040	2.0	0.02	t-Butyl alcohol (TBA)	ND<0.10	2.0	0.05
n-Butyl benzene	0.068	2.0	0.005	sec-Butyl benzene	ND<0.010	2.0	0.005
tert-Butyl benzene	ND<0.010	2.0	0.005	Carbon Disulfide	ND<0.010	2.0	0.005
Carbon Tetrachloride	ND<0.010	2.0	0.005	Chlorobenzene	ND<0.010	2.0	0.005
Chloroethane	ND<0.010	2.0	0.005	Chloroform	ND<0.010	2.0	0.005
Chloromethane	ND<0.010	2.0	0.005	2-Chlorotoluene	ND<0.010	2.0	0.005
4-Chlorotoluene	ND<0.010	2.0	0.005	Dibromochloromethane	ND<0.010	2.0	0.005
1,2-Dibromo-3-chloropropane	ND<0.0080	2.0	0.004	1,2-Dibromoethane (EDB)	ND<0.0080	2.0	0.004
Dibromomethane	ND<0.010	2.0	0.005	1,2-Dichlorobenzene	ND<0.010	2.0	0.005
1,3-Dichlorobenzene	ND<0.010	2.0	0.005	1,4-Dichlorobenzene	ND<0.010	2.0	0.005
Dichlorodifluoromethane	ND<0.010	2.0	0.005	1,1-Dichloroethane	ND<0.010	2.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.0080	2.0	0.004	1,1-Dichloroethene	ND<0.010	2.0	0.005
cis-1,2-Dichloroethene	ND<0.010	2.0	0.005	trans-1,2-Dichloroethene	ND<0.010	2.0	0.005
1,2-Dichloropropane	ND<0.010	2.0	0.005	1,3-Dichloropropane	ND<0.010	2.0	0.005
2,2-Dichloropropane	ND<0.010	2.0	0.005	1,1-Dichloropropene	ND<0.010	2.0	0.005
cis-1,3-Dichloropropene	ND<0.010	2.0	0.005	trans-1,3-Dichloropropene	ND<0.010	2.0	0.005
Diisopropyl ether (DIPE)	ND<0.010	2.0	0.005	Ethylbenzene	0.014	2.0	0.005
Ethyl tert-butyl ether (ETBE)	ND<0.010	2.0	0.005	Freon 113	ND<0.20	2.0	0.1
Hexachlorobutadiene	ND<0.010	2.0	0.005	Hexachloroethane	ND<0.010	2.0	0.005
2-Hexanone	ND<0.010	2.0	0.005	Isopropylbenzene	ND<0.010	2.0	0.005
4-Isopropyl toluene	ND<0.010	2.0	0.005	Methyl-t-butyl ether (MTBE)	ND<0.010	2.0	0.005
Methylene chloride	ND<0.010	2.0	0.005	4-Methyl-2-pentanone (MIBK)	ND<0.010	2.0	0.005
Naphthalene	0.052	2.0	0.005	n-Propyl benzene	0.021	2.0	0.005
Styrene	ND<0.010	2.0	0.005	1,1,1,2-Tetrachloroethane	ND<0.010	2.0	0.005
1,1,2,2-Tetrachloroethane	ND<0.010	2.0	0.005	Tetrachloroethene	ND<0.010	2.0	0.005
Toluene	ND<0.010	2.0	0.005	1,2,3-Trichlorobenzene	ND<0.010	2.0	0.005
1,2,4-Trichlorobenzene	ND<0.010	2.0	0.005	1,1,1-Trichloroethane	ND<0.010	2.0	0.005
1,1,2-Trichloroethane	ND<0.010	2.0	0.005	Trichloroethene	ND<0.010	2.0	0.005
Trichlorofluoromethane	ND<0.010	2.0	0.005	1,2,3-Trichloropropane	ND<0.010	2.0	0.005
1,2,4-Trimethylbenzene	0.15	2.0	0.005	1,3,5-Trimethylbenzene	0.15	2.0	0.005
Vinyl Chloride	ND<0.010	2.0	0.005	Xylenes, Total	0.063	2.0	0.005

Surrogate Recoveries (%)

%SS1:	102	%SS2:	105
%SS3:	92		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

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P & D Environmental	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/29/13
		Date Received 03/29/13
55 Santa Clara, Ste.240	Client Contact: Michael Deschenes	Date Extracted 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed 04/01/13

CAM / CCR 17 Metals*

					Reporting Limit for DF =1; ND means not detected above the reporting limit	
Lab ID	1303836-001A					
Client ID	S1					
Matrix	S				S	W
Extraction Type	TOTAL				mg/Kg	mg/L

ICP Metals, Concentration*

Analytical Method: SW6020 Extraction Method: SW3050B Work Order: 1303836

Dilution Factor	1				1	1
Antimony	1.8				0.5	NA
Arsenic	5.1				0.5	NA
Barium	200				5.0	NA
Beryllium	0.53				0.5	NA
Cadmium	1.2				0.25	NA
Chromium	47				0.5	NA
Cobalt	9.6				0.5	NA
Copper	32				0.5	NA
Lead	58				0.5	NA
Mercury	0.38				0.05	NA
Molybdenum	ND				0.5	NA
Nickel	44				0.5	NA
Selenium	ND				0.5	NA
Silver	ND				0.5	NA
Thallium	ND				0.5	NA
Vanadium	42				0.5	NA
Zinc	640				5.0	NA
%SS:	98					

Comments

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.
%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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P & D Environmental	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/29/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Michael Deschenes	Date Extracted 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed 03/30/13

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Bm Work Order: 1303836

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS	Comments
001A	S1	S	32	1	98	d7,d9

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	mg/Kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
d9) no recognizable pattern

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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P & D Environmental	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/29/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Michael Deschenes	Date Extracted: 03/29/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 04/01/13

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3550B Analytical methods: SW8015B Work Order: 1303836

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	TPH-Bunker Oil (C10-C36)	DF	% SS	Comments
001A	S1	S	23	17	37	1	91	e4,e7,e2

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	ug/L
	S	1.0	5.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

%SS = Percent Recovery of Surrogate Standard. DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
e2) diesel range compounds are significant; no recognizable pattern
e4) gasoline range compounds are significant.
e7) oil range compounds are significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 75924 | WorkOrder: 1303836

EPA Method: SW8260B **Extraction: SW5030B** **Spiked Sample ID: 1303789-006A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
tert-Amyl methyl ether (TAME)	ND<0.02	0.050	NR	NR	NR	81.5	N/A	N/A	70 - 130
Benzene	ND<0.02	0.050	NR	NR	NR	94.4	N/A	N/A	70 - 130
t-Butyl alcohol (TBA)	ND<0.2	0.20	NR	NR	NR	88.6	N/A	N/A	70 - 130
Chlorobenzene	ND<0.02	0.050	NR	NR	NR	97.5	N/A	N/A	70 - 130
1,2-Dibromoethane (EDB)	ND<0.016	0.050	NR	NR	NR	94.8	N/A	N/A	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND<0.016	0.050	NR	NR	NR	89	N/A	N/A	70 - 130
1,1-Dichloroethene	ND<0.02	0.050	NR	NR	NR	89.2	N/A	N/A	70 - 130
Diisopropyl ether (DIPE)	ND<0.02	0.050	NR	NR	NR	94.3	N/A	N/A	70 - 130
Ethyl tert-butyl ether (ETBE)	ND<0.02	0.050	NR	NR	NR	87.7	N/A	N/A	70 - 130
Methyl-t-butyl ether (MTBE)	ND<0.02	0.050	NR	NR	NR	87	N/A	N/A	70 - 130
Toluene	ND<0.02	0.050	NR	NR	NR	102	N/A	N/A	70 - 130
Trichloroethene	ND<0.02	0.050	NR	NR	NR	96	N/A	N/A	70 - 130
%SS1:	99	0.12	NR	NR	NR	101	N/A	N/A	70 - 130
%SS2:	90	0.12	NR	NR	NR	111	N/A	N/A	70 - 130
%SS3:	91	0.012	NR	NR	NR	98	N/A	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75924 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303836-001A	03/29/13 11:00 AM	03/29/13	03/30/13 2:26 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW6020

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 75950 | WorkOrder: 1303836

EPA Method: SW6020 **Extraction: SW3050B** **Spiked Sample ID: 1303815-047A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Antimony	ND	50	99.7	99.3	0.382	104	75 - 125	20	75 - 125
Arsenic	3.7	50	97.2	95.1	2.10	108	75 - 125	20	75 - 125
Barium	190	500	102	102	0	111	75 - 125	20	75 - 125
Beryllium	0.98	50	83.9	86.4	2.87	103	75 - 125	20	75 - 125
Cadmium	ND	50	98.3	98.2	0.183	105	75 - 125	20	75 - 125
Chromium	28	50	89.7	88.9	0.608	104	75 - 125	20	75 - 125
Cobalt	31	50	83.3	83	0.247	105	75 - 125	20	75 - 125
Copper	24	50	92.4	89.5	2.06	105	75 - 125	20	75 - 125
Lead	3.0	50	99.1	100	1.21	104	75 - 125	20	75 - 125
Mercury	0.12	1.25	99.3	101	1.10	106	75 - 125	20	75 - 125
Molybdenum	2.5	50	101	100	0.568	109	75 - 125	20	75 - 125
Nickel	53	50	NR	NR	NR	106	N/A	N/A	75 - 125
Selenium	0.59	50	99.4	98.1	1.30	108	75 - 125	20	75 - 125
Silver	ND	50	119	119	0	119	75 - 125	20	75 - 125
Thallium	ND	50	97.9	99.3	1.40	107	75 - 125	20	75 - 125
Vanadium	120	50	NR	NR	NR	105	N/A	N/A	75 - 125
Zinc	88	500	95.7	93.5	1.91	107	75 - 125	20	75 - 125
%SS:	107	500	105	105	0	110	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75950 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303836-001A	03/29/13 11:00 AM	03/29/13	04/01/13 5:33 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 75944 | WorkOrder: 1303836

EPA Method: SW8015B **Extraction: SW3550B** **Spiked Sample ID: 1303802-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH-Diesel (C10-C23)	440	40	NR	NR	NR	109	N/A	N/A	70 - 130
%SS:	103	25	NR	NR	NR	93	N/A	N/A	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75944 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303836-001A	03/29/13 11:00 AM	03/29/13	04/01/13 2:23 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 75948 | WorkOrder: 1303836

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1303815-043A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH(btex)£	ND	0.60	120	125	4.74	102	70 - 130	20	70 - 130
MTBE	ND	0.10	107	104	2.72	105	70 - 130	20	70 - 130
Benzene	ND	0.10	104	101	3.68	100	70 - 130	20	70 - 130
Toluene	ND	0.10	103	100	2.51	104	70 - 130	20	70 - 130
Ethylbenzene	ND	0.10	109	106	3.10	108	70 - 130	20	70 - 130
Xylenes	ND	0.30	114	111	2.80	114	70 - 130	20	70 - 130
%SS:	105	0.10	104	97	6.29	100	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 75948 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303836-001A	03/29/13 11:00 AM	03/29/13	03/30/13 11:34 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Analytical Report

P & D Environmental	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/29/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Michael Deschenes	Date Reported: 04/05/13
Oakland, CA 94610	Client P.O.:	Date Completed: 04/05/13

WorkOrder: 1303836 A

April 05, 2013

Dear Michael:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#0453; 840 Amelia St., Oakland CA,**
2) QC data for the above sample, and
3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

1303836

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

RUSH

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

PROJECT NUMBER: 0453

PROJECT NAME: 8410 AMELIA ST. OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE) MICHAEL DESCHENES

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-mult (Gx,Dx,MO,SG)	EPA 8260	CAM 17	STLC Pb 4/2/13 24hr	PRESERVATIVE	REMARKS
S1	3/29/13	1100	SOIL	Soil Stockpile	1	X	X	X	X	ICE	48-HOURS RUSH

ICE/t° 3.8
GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ___ PRESERVED IN LAB ___
DECHLORINATED IN LAB ___
PRESERVATION ___ VOAS | O&G | METALS | OTHER

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment)	1	LABORATORY:
Michael DeSchenes	3/29/13	1346		Total No. of Containers (This Shipment)	1	McCAMPBELL ANALYTICAL, INC
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT:		LABORATORY PHONE NUMBER:
	3/29/13	1515		ANGELA RYDELIUS		(877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED:		( ) YES (X) NO

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1303836 A **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Michael Deschenes
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com; Michael.Deschenes@p
cc:
PO:
ProjectNo: #0453; 840 Amelia St., Oakland CA

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: 2 days
Date Received: 03/29/2013
Date Add-On: 04/02/2013
Date Printed: 04/02/2013

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1303836-001	S1	Soil	3/29/2013 11:00	☐	A											

Test Legend:

1	STLC_PB_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments: 48hr Rush. STLC Pb added 4/2/13 24hr per email.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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P & D Environmental	Client Project ID: #0453; 840 Amelia St., Oakland CA	Date Sampled: 03/29/13
		Date Received: 03/29/13
55 Santa Clara, Ste.240	Client Contact: Michael Deschenes	Date Extracted: 04/02/13-04/04/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 04/05/13

Lead by ICP*

Extraction method: CA Title 22 Analytical methods: SW6010B Work Order: 1303836

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS	Comments
1303836-001A	S1	S	WET	2.3	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	WET	0.2	mg/L

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

WET = Waste Extraction Test, i.e., STLC (Soluble Threshold Limit Concentration).
DI WET = Waste Extraction Test using DI water (DI STLC).

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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QC SUMMARY REPORT FOR SW6010B

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 76067 | WorkOrder: 1303836

EPA Method: SW6010B **Extraction: CA Title 22** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Lead	N/A	1	N/A	N/A	N/A	79.4	N/A	N/A	75 - 125

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 76067 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1303836-001A	03/29/13 11:00 AM	04/02/13	04/05/13 11:53 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

P & D Environmental	Client Project ID: #0453; 8410 Amelia Street	Date Sampled: 04/03/13
		Date Received: 04/03/13
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Reported: 04/04/13
Oakland, CA 94610	Client P.O.:	Date Completed: 04/04/13

WorkOrder: 1304093

April 05, 2013

Dear Paul:

Enclosed within are:

1) The results of the **1** analyzed sample from your project: **#0453; 8410 Amelia Street,**
2) QC data for the above sample, and
3) A copy of the chain of custody.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

The analytical results relate only to the items tested.

CHAIN OF CUSTODY RECORD

1304093

PAGE 1 OF 1

P&D ENVIRONMENTAL, INC.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610
(510) 658-6916

RUSH

PROJECT NUMBER: 0453

PROJECT NAME: 8410 Amelia Street, Oakland, CA

SAMPLED BY: (PRINTED & SIGNATURE) Michael Deschenes

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): BTEX	ANALYSIS(ES): LEAD	PRESERVATIVE	REMARKS
Carbon 1	4/3/13		Solid	From Baker Carbon filteration drum	1	X	X	ICE	48-Hour Rush

ICE/t° 4.8
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION ____ VOAS | O&G | METALS | OTHER

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
Michael Deschenes	4/3/13	1429	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)
	4/3/13	1515	
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)

Total No. of Samples (This Shipment): 1
Total No. of Containers (This Shipment): 1

LABORATORY: McCampbell Analytical, Inc

LABORATORY CONTACT: Angela Rydelius

LABORATORY PHONE NUMBER: (877) 252-9262

SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO

Results and billing to:
P&D Environmental, Inc.
lab@pdenviro.com

REMARKS:

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1304093 **ClientCode: PDEO**

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Paul King
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610
(510) 658-6916 FAX: 510-834-0152

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0453; 8410 Amelia Street

Bill to:
Accounts Payable
P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Requested TAT: **2 days**

Date Received: **04/03/2013**
Date Printed: **04/03/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1304093-001	Carbon 1	Solid	4/3/2013	☐	A	A										

Test Legend:

1	G-MBTEX_S	2	PB_S	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Zoraida Cortez

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **P & D Environmental**
Date and Time Received: **4/3/2013 3:21:06 PM**

Project Name: **#0453; 8410 Amelia Street**
LogIn Reviewed by: Zoraida Cortez

WorkOrder N°: **1304093** Matrix: Solid
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 4.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

P & D Environmental	Client Project ID: #0453; 8410 Amelia Street	Date Sampled: 04/03/13
		Date Received: 04/03/13
55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 04/03/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 04/04/13

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1304093

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	Carbon 1	S	---	---	0.25	0.12	ND<0.025	ND<0.025	1	---#	d1

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	ug/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
d1) weakly modified or unmodified gasoline is significant

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Angela Rydelius, Lab Manager

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P & D Environmental	Client Project ID: #0453; 8410 Amelia Street	Date Sampled: 04/03/13
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55 Santa Clara, Ste.240	Client Contact: Paul King	Date Extracted: 04/03/13
Oakland, CA 94610	Client P.O.:	Date Analyzed: 04/04/13

Lead by ICP*

Extraction method: SW3050B | Analytical methods: SW6010B | Work Order: 1304093

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS	Comments
1304093-001A	Carbon 1	S	TOTAL	ND	1	92	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

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QC SUMMARY REPORT FOR 6010B

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 76008 | WorkOrder: 1304093

EPA Method: SW6010B **Extraction: SW3050B** **Spiked Sample ID: 1304004-013A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
Lead	16,000	50	NR	NR	NR	90.4	N/A	N/A	75 - 125
%SS:	107	500	101	103	1.56	98	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 76008 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1304093-001A	04/03/13	04/03/13	04/04/13 10:21 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil | QC Matrix: Soil | BatchID: 76071 | WorkOrder: 1304093

EPA Method: SW8021B/8015Bm **Extraction: SW5030B** **Spiked Sample ID: 1304053-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	Acceptance Criteria (%)		
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	MS / MSD	RPD	LCS
TPH(btex)£	ND	0.60	111	108	2.98	120	70 - 130	20	70 - 130
MTBE	ND	0.10	103	106	3.49	110	70 - 130	20	70 - 130
Benzene	ND	0.10	112	110	1.48	113	70 - 130	20	70 - 130
Toluene	ND	0.10	111	110	0.970	114	70 - 130	20	70 - 130
Ethylbenzene	ND	0.10	115	114	1.42	119	70 - 130	20	70 - 130
Xylenes	ND	0.30	123	122	0.801	120	70 - 130	20	70 - 130
%SS:	108	0.10	75	77	2.51	72	70 - 130	20	70 - 130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 76071 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1304093-001A	04/03/13	04/03/13	04/04/13 3:51 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer