

P&D ENVIRONMENTAL, INC.

55 Santa Clara Avenue, Suite 240

Oakland, CA 94610

(510) 658-6916

December 10, 2015

Report 0735.R1

Mr. Scott Williams

Patriot Environmental Services

255 Parr Boulevard

Richmond, CA 94801

SUBJECT: UST REMOVAL REPORT
3900 Adeline Street
Oakland, California

Dear Mr. Williams:

P&D Environmental, Inc. (P&D) has prepared this report documenting the removal of one single-walled bare steel 575 gallon capacity underground storage tank (UST) from the subject site. Based on the type of petroleum hydrocarbons detected in soil samples collected from under the former UST and in the soil removed from on top of and around the former UST, the UST formerly contained a diesel-range heating oil. The UST was discovered on November 16, 2015 adjacent to 39th Street and directly beneath a 6-inch diameter East Bay Municipal Utility District (EBMUD) water pipe during landscaping activities for construction of tree wells associated with development of the property, and following the completion of permitting was removed from the site on November 25, 2015.

A Site Location Map (Figure 1), a Site Plan Aerial Photograph showing the UST location, and a Site Plan Detail showing the former UST and soil sample collection location (Figure 3) are attached with this report. All work was performed under the direct supervision of a California professional geologist.

FIELD ACTIVITIES

Prior to UST removal activities, P&D personnel obtained an UST closure permit from the Alameda County Department of Environmental Health (ACDEH), and personnel from Patriot Environmental Services, Inc. (Patriot) of Richmond, California obtained a building permit for removal of the UST from the City of Emeryville. A copy of the ACDEH UST Closure plan is attached with this report as Appendix A and a copy of the City of Emeryville building permit is attached with this report as Appendix B. Although the UST capacity is identified in the Operating Permit Application in Appendix A as 700 gallons, this capacity was an estimated capacity, and the actual UST capacity was verified based on the UST dimensions obtained on the day that the UST was removed.

Notification to Underground Service Alert for location of underground utilities had been provided prior to discovery of the UST associated with construction for development of the site.

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The UST was discovered on November 16, 2015 during excavation to a depth of 3.0 feet for construction of a tree well adjacent to 39th Street. No piping was discovered associated with the UST. Rainwater associated with a precipitation event during the weekend prior to discovery of the UST had accumulated in a portion of the tree well that had been excavated prior November 16, 2015.

UST Liquid Characterization and Disposal

On November 16, 2015 Patriot personnel removed approximately 30 gallons of petroleum from the UST, and approximately 700 gallons of rainwater that had accumulated in the portion of the tree well prior to November 16, 2015. The liquids were stored in labeled 55-gallon drums at the site pending appropriate disposal.

Samples of the liquids in the drums were collected by P&D personnel and were delivered to Seaport Refining & Environmental (Seaport), of Redwood City, California for in-house analysis to determine if the liquids met facility acceptance criteria. Based on the in-house analysis of the liquid samples, Seaport approved the drummed rainwater for disposal at their Redwood City facility. The drummed rainwater was subsequently pumped from the drums into a truck and disposed of at the Seaport facility in Redwood City on November 25, 2015. A copy of the Non-Hazardous Water Transport Form used to transport the rainwater to the Seaport facility is attached with this report as Appendix C

The drum containing petroleum that was pumped from the UST was removed from the site on December 2, 2015 for disposal as oily water at the Crosby & Overton facility in Long Beach, California. A copy of Uniform Hazardous Waste Manifest 014477279 for the disposal of the petroleum that was pumped from the UST with a volume of 50 gallons identified on the manifest is attached with this report as Appendix D.

UST Removal and Soil Sample Collection

On November 17, 2015 soil surrounding the central portion of the UST and the east end of the UST was removed by Patriot and placed into a 20-cubic yard roll off bin pending appropriate disposal. The soil surrounding the west end of the UST was not removed because of the presence of EBMUD water pipes above the west end of the UST. P&D personnel collected one discrete soil sample designated as BIN 1 into a stainless steel tube from the soil in the 20-cubic yard roll off bin on November 17, 2015 for disposal characterization purposes using procedures described below. Image 1 in Appendix E of this report shows the east end of the UST on November 17, 2015 after it was exposed. The date shown on the digital image is not accurate.

Prior to removal of the UST on November 25, 2015 the UST atmosphere was inerted using dry ice. Following verification that the UST atmosphere oxygen and lower explosive limit concentrations were each below 10 percent the UST was removed from the UST pit by Patriot using a backhoe. The measured depth to the top of the UST was approximately 3.5 feet below the ground surface (bgs), and the bottom of the UST was at a depth of approximately 7.0 feet bgs. ACDEH Inspector Barbara Jakub and Alameda County Fire District (ACFD) Inspector Bonnie Terra were on site to observe removal of the UST from the UST pit.

Following removal of the UST from the pit, the UST was visually inspected. The UST was measured to be 8.0 feet long and 3.5 feet in diameter with a calculated volume of approximately 575 gallons. The UST was constructed of single wall bare steel with welded seams. Minor rusting was observed on the exterior of the UST. Following removal of dirt and scale from the UST exterior the UST was inspected for evidence of holes, cracks and corrosion. Image 2 in Appendix E shows the UST after removal and also shows a hole measuring less than 0.25 inches in diameter located on the north side in the upper half on the west half of the UST, and Image 3 in Appendix E is a close-up image of the same hole. Image 4 in Appendix E is a close-up image of a hole measuring less than 0.1-inches in diameter identified at the bottom of the west end of the UST.

Following inspection the UST was loaded onto a truck for transportation from the site (see Appendix E Image 5). The UST was transported by Patriot to the Ecology Control Industries (ECI) facility in Richmond, California as hazardous waste for destruction. A copy of Uniform Hazardous Waste Manifest 013897131 JJK for the disposal of the UST is attached with this report as Appendix F and a copy of the UST Certificate of destruction is attached with this report as Appendix G.

Following removal of the UST from the UST pit, soil was excavated from the bottom of the UST pit to a depth of approximately 9.0 feet bgs at a location as far west in the UST pit as possible. Excavation at the west end of the UST pit was limited based on the presence of the EBMUD water pipes above the UST pit (see Appendix E Image 6). On November 25, 2015 one UST pit confirmation soil sample designated as T1-9.0 was collected from underneath the UST near the center of the UST pit (see Figure 3) at a depth of 2.0 feet below the bottom of the UST (9.0 feet bgs) from relatively undisturbed soil in the backhoe bucket near the teeth of the bucket into a 6-inch long, 2-inch diameter stainless steel tube using procedures described below. The soil encountered in the UST pit consisted of black silty clay to a depth of approximately 3.0 feet bgs, which was underlain by brown gravelly silty fine to coarse sand from the ground surface to the maximum depth of exploration of 9.0 feet bgs.

Although a petroleum odor was observed from some of the soil in the UST pit that had been in contact with the UST, no evidence of petroleum odor, staining or discoloration were detected in soil in the backhoe bucket that was collected at a depth of 9.0 feet bgs (see Appendix E Image 7). Evaluation of the soil with a photoionization detector that was equipped with a 10.6 eV bulb and that was calibrated with a 100 parts per million (ppm) isobutylene standard showed that no organic vapors were detected. ACDEH Inspector Barbara Jakub was on site to observe excavation of the bottom of the UST pit and collection of the confirmation soil sample from below the UST. No groundwater was encountered in the UST pit.

Following collection of UST pit soil sample T1-9.0, loose soil in the bottom of the UST pit was excavated by Patriot and stockpiled with soil that had been excavated on the morning of November 25, 2015 for additional exposure of the UST in preparation for UST removal. A total of four soil samples were collected from the soil stockpile at various depths prior to transfer of the soil stockpile into a 20-cubic yard roll off bin. The soil samples were collected using methods described below, and were designated as BIN 2.

All soil samples were collected in the following manner. The stainless steel tube was completely filled 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.

Excavated Soil Disposal

On December 2 and 3, 2015 the two roll off bins were transported to the Potrero Hills Landfill in Suisun, California using Non-Hazardous Waste Manifests both numbered PHLF-15-730 for disposal of the soil in the bins. A total of 16.72 tons of soil was disposed of. Copies of the manifest for soil disposal are attached with this report as Appendix H and a copy of the landfill weighmaster certificates are attached with this report as Appendix I.

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 at the interface of underlying materials consisting of Late Pleistocene alluvium (Qpa) and Medium-Grained Alluvium (Qham). Late Pleistocene alluvium is described as weakly consolidated, slightly weathered, poorly sorted, irregularly interbedded clay, silt, sand, and gravel. Medium-Grained Alluvium is described as unconsolidated, moderately sorted, permeable fine sand, silt, and clayey silt with a few thin beds of coarse sand.

The soil encountered in the UST pit consisted of black silty clay to a depth of approximately 3.0 feet bgs, which was underlain by brown gravelly silty fine to coarse sand from the ground surface to the maximum depth of exploration of 9.0 feet bgs. Groundwater was not encountered in the UST pit. The depth to groundwater and the groundwater flow direction at the site are unknown.

San Francisco Bay is located approximately 4,600 feet to the west of the subject site. Review of documents on the internet site GeoTracker identified a site located approximately 270 feet to the southwest of the subject site former UST at 3800 San Pablo Avenue where the depth to groundwater in groundwater monitoring wells ranged from approximately 8.5 to 11.0 feet bgs and the groundwater flow direction was reported to be to the northwest.

LABORATORY ANALYSIS

Soil samples T1-9.0, BIN 1, and BIN 2 were analyzed at McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California. All three soil samples were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G) using EPA Method 8021B in conjunction with modified EPA Method 8015B, for Total Petroleum Hydrocarbons as Diesel (TPH-D) and Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) using EPA Method 8015B, for Volatile Organic Compounds (VOCs) including methyl-tert-Butyl Ether (MTBE), benzene, toluene, ethylbenzene, total xylenes (BTEX), fuel oxygenates, lead scavengers, and naphthalene by EPA Method 8260B, and for Semi-Volatile Organic Compounds (VOCs) using EPA Method 8270C. Soil samples T1-9.0 and BIN 1 were additionally analyzed for Polychlorinated Biphenyls (PCBs) using EPA Method 8082 and for CAM 17 Metals using EPA Method 6020. Soil sample BIN 1 was also analyzed for Organochlorine Pesticides (OCPs) using EPA Method 8081A. The four

discrete soil samples designated as BIN 2 were composited by the laboratory prior to analysis. The tank pit bottom soil sample results are summarized in Table 1A and Table 1B, and the excavated soil sample results are summarized in Tables 2A and Table 2B. Copies of the laboratory reports and chain of custody documentation are attached with this report as Appendix J.

Review of the UST pit bottom soil sample T1-9.0 results in Table 1A shows that no petroleum hydrocarbons, VOCs, SVOCs, or PCBs were detected, and review of Table 1B shows that the only detected metal concentration exceeding a December 2013 San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Table A-1 shallow soil Environmental Screening Level (ESL) was arsenic. The detected arsenic concentration of 9.6 milligrams per kilogram (mg/kg) exceeds the Table A-1 shallow soil screening level for a residential land use of 0.39 mg/kg.

Review of Table 2A shows that TPH-G was detected in excavated soil samples BIN 1 and BIN 2 at concentrations of 40 and 2.1 mg/kg, respectively, TPH-D was detected at concentrations of 560 and 13 mg/kg, respectively, and TPH-MO was detected at concentrations of 210 and 19 mg/kg, respectively. MTBE, BTEX, PCBs, and pesticides were not detected in any of the soil samples. The only additionally detected analytes were naphthalene and 1,2,4-Trimethylbenzene using EPA Method 8260B in soil sample BIN 1 at concentrations of 0.68 and 0.30 mg/kg, respectively, and naphthalene, 2-methylnaphthalene, and phenanthrene using EPA Method 8270C, also in soil sample BIN 1, at concentrations of 1.4, 8.3, and 1.7 mg/kg, respectively. Review of Table 2B shows that similar to sample T1-9.0 the only detected metal concentration which exceeds its respective December 2013 RWQCB ESL was arsenic.

Further review of the laboratory analytical reports show that the laboratory described the TPH-G results for samples BIN 1 and BIN2 as consisting of strongly aged gasoline or diesel-range compounds, described the TPH-D and TPH-MO results for sample BIN 1 as consisting of diesel-range compounds, and described the TPH-D and TPH-MO results for sample BIN 2 as consisting of both diesel- and oil-range compounds.

DISCUSSION AND RECOMMENDATIONS

The subject property is located in Emeryville, California where arsenic is a naturally occurring metal in the soil. In accordance with the December 2011 document 'Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region' an upper estimate for background arsenic concentrations within undifferentiated urbanized flatland soils in the San Francisco Bay Area was determined to be 11 mg/kg. This regional arsenic evaluation was conducted at the suggestion of the SFRWQCB in collaboration with San Francisco State University. In accordance with the March 2008 'Determination of a Southern California Regional Background Arsenic Concentration in Soil' document prepared by the California Department of Toxic Substances Control (DTSC), the upper-bound concentration of 12 mg/kg was established for arsenic in southern California. The DTSC currently uses this value for both Northern and Southern California. Although detected arsenic concentrations at the site exceed SFRWQCB ESL values, the detected arsenic concentrations are considered to be representative of background concentrations, and are therefore not a concern.

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Based on the absence of petroleum in the soil sample collected from below the bottom of the UST, P&D recommends that no further action be performed.

DISTRIBUTION

A copy of this report should be sent to Ms. Barbara Jakub at the ACDEH.

LIMITATIONS

This report was prepared solely for the use of Patriot Environmental Services. 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.

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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: 12/31/17



Attachments:

Table 1A - Summary of UST Pit Bottom Soil Sample Laboratory Analytical Results - TPH, VOCs, SVOCs, and PCBs

Table 1B - Summary of UST Pit Bottom Soil Sample Laboratory Analytical Results - Metals

Table 2A - Summary of Excavated Soil Sample Laboratory Analytical Results - TPH, VOCs, SVOCs, Pesticides, and PCBs

Table 2B - Summary of Soil Stockpile Sample Laboratory Analytical Results - LUFT 5 Metals

Figure 1 - Site Location Map

Figure 2 - Site Plan Aerial Photograph Showing UST Location

Figure 3 - Site Plan Detail

Appendix A - ACDEH Underground Storage Tank Closure Plan (Permit SR0028988)

Appendix B - City of Emeryville Building Permit

Appendix C - Non-Hazardous Waste Transport Form

Appendix D - Uniform Hazardous Waste Manifest # 014477279 JJK for Oily Water

Appendix E - Photographs

Appendix F - Uniform Hazardous Waste Manifest # 013897131 JJK for UST

Appendix G - UST Certificate of Destruction

Appendix H - Non-Hazardous Waste Manifests for Soil Disposal

Appendix I - Weighmaster Certificates

Appendix J - Laboratory Analytical Reports and Chain of Custody Documentation

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TABLES

Table 1A

Summary of UST Pit Bottom Soil Sample Laboratory Analytical Results - TPH, VOCs, SVOCs, and PCBs

Sample ID	Sample Date	TPH-D	TPH-MO	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA Method 8260	SVOCs by EPA Method 8270	PCBs by EPA Method 8082
T1-9.0	11/25/2015	ND<1.0	ND<5.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	All ND
ESL		100	100	100	0.023	0.044	2.9	3.3	2.3	Various	Various	Various
NOTES												
TPH-D = Total Petroleum Hydrocarbons as Diesel.												
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.												
TPH-G = Total Petroleum Hydrocarbons as Gasoline.												
MTBE = Methyl-tert-Butyl Ether.												
VOCs = Volatile Organic Compounds.												
SVOCs = Semi-Volatile Organic Compounds.												
PCBs = Poly-Chlorinated Biphenyls.												
ND = Not Detected.												
ESL = Environmental Screening Level, by San Francisco Bay - Regional Water Quality Control Board, updated December 2013, from Table A-1 - Shallow Soil Screening Levels. Groundwater is a current or potential drinking water resource. Residential Land Use.												
All results and ESLs reported in milligrams per kilogram (mg/kg) unless otherwise noted.												

Table 1B
 Summary of UST Pit Bottom Soil Sample Laboratory Analytical Results - Metals

Sample ID	Sample Date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
T1-9-0	11/25/2015	0.79	9.6	190	0.65	0.76	58	13	34	7.7	0.076	2.5	79	ND<0.50	ND<0.50	ND<0.50	57	100
ESL		20	0.39	750	4.0	12	1,000	23	230	80	6.7	40	150	10	20	0.78	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 = Vanadium; Zn = Zinc																		
ND = Not Detected.																		
ESL = Environmental Screening Level, by San Francisco Bay - Regional Water Quality Control Board, updated December 2013, from Table A-1 - Shallow Soil																		
Screening Levels. Groundwater is a current or potential drinking water resource. Residential Land Use.																		
Concentrations in BOLD exceed their respective ESL value.																		
All results and ESLs reported in milligrams per kilogram (mg/kg) unless otherwise noted.																		

Table 2A
 Summary of Excavated Soil Sample Laboratory Analytical Results - TPH, VOCs, SVOCs, Pesticides, and PCBs

Sample ID	Sample Date	TPH-D	TPH-MO	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA Method 8260	SVOCs by EPA Method 8270	Pesticides and PCBs by EPA Method 8081/8082
BIN 1	11/17/2015	560, b	210, b	40, a	ND<0.10	ND<0.10	ND<0.10	ND<0.10	ND<0.10	All ND, except Naphthalene = 0.68, 1,2,4-Trimethylbenzene = 0.30	All ND, except Naphthalene = 1.4, 2-Methylnaphthalene = 8.3, Phenanthrene = 1.7	All ND
BIN 2	11/25/2015	13, b,c	19, b,c	2.1, a	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	NA
NOTES												
TPH-D = Total Petroleum Hydrocarbons as Diesel.												
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.												
TPH-G = Total Petroleum Hydrocarbons as Gasoline.												
MTBE = Methyl-tert-Butyl Ether.												
VOCs = Volatile Organic Compounds.												
SVOCs = Semi-Volatile Organic Compounds.												
PCBs = Poly-Chlorinated Biphenyls.												
ND = Not Detected.												
NA = Not Analyzed.												
a = Laboratory analytical note: strongly aged gasoline or diesel-range compounds are significant in the TPH-G chromatogram.												
b = Laboratory analytical note: unmodified or weakly modified diesel-range compounds are significant												
c = Laboratory analytical note: oil-range compounds are significant												
All results reported in milligrams per kilogram (mg/kg) unless otherwise noted												

Table 2B
 Summary of Excavated Soil Sample Laboratory Analytical Results - Metals

Sample ID	Sample Date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Hg	Mo	Ni	Se	Ag	Tl	V	Zn
BIN 1	11/17/2015	ND<0.50	5.4	160	ND<0.50	ND<0.25	46	6.4	19	10	0.088	ND<1.0	35	ND<0.50	ND<0.50	ND<0.50	51	77
BIN 2	11/17/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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.																		
NA = Not Analyzed.																		
All results reported in milligrams per kilogram (mg/kg) unless otherwise noted.																		

FIGURES



Figure 1
 Site Location Map
 3900 Adeline Street
 Emeryville, California

Base Map From:
 U.S. Geological Survey
 Oakland West, California
 7.5-Minute Quadrangle
 Photorevised 1980

P&D Environmental, Inc.
 55 Santa Clara Ave., Suite 240
 Oakland, CA 94610

0 1,000 2,000
 Approximate Scale In Feet

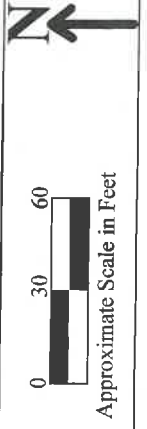




Figure 2
Aerial Photograph Site Plan Showing UST Location
3900 Adeline Street
Emeryville, California

Base Map from:
Google Earth, Image dated May 11, 2015

P&D Environmental, Inc.
55 Santa Clara Ave., Suite 240
Oakland, CA 94610



LEGEND

✕ UST Pit Bottom Soil Sample Collection Location

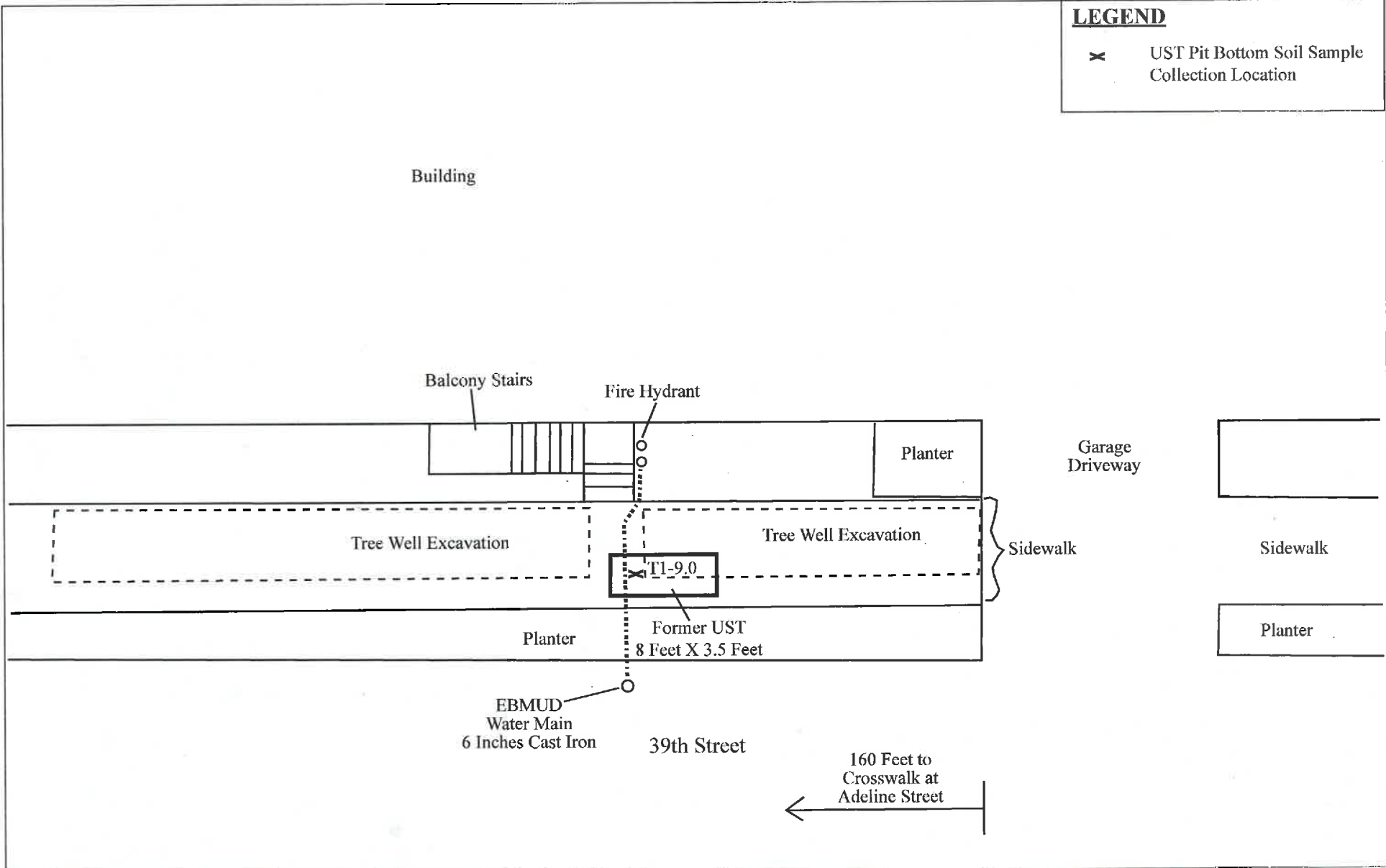


Figure 3
 Site Plan Detail
 3900 Adeline Street
 Emeryville, California

Base Map from:
 P&D Environmental using a steel tape and a rolatape,
 November 17, 2015

P&D Environmental, Inc.
 55 Santa Clara Ave., Suite 240
 Oakland, CA 94610

0 5 10
 Approximate Scale in Feet

APPENDIX A

ACDEH Underground Storage Tank Closure Plan (Permit SR0028988)

ALAMEDA COUNTY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 1131 HARBOR BAY PARKWAY
 ALAMEDA, CA 94502-6577
 PHONE (510) 567-6700

ACCEPTED

Underground Storage Tank Closure Permit Application
 Alameda County Division of Hazardous Materials
 1131 Harbor Bay Parkway, Suite 250
 Alameda, CA 94502-6577

These construction plans have been reviewed and found to be acceptable and assembly meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assist compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.

One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections:

- ✓ Removal of Tank(s) and Piping
- ✓ Sampling
- ✓ Final Inspection

Issuance of a permit to operate, to permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS:

Contact Specialist



Barbara Jakub
 barbara.jakub@acgov.org
 510-567-6737

Approved 11/20/2015

UNDERGROUND STORAGE TANK CLOSURE PLAN

***** Complete closure plan according to instructions *****

1. Name of Business Madison Park
 Business Owner or Contact Person (PRINT) Bob Huff
2. Site Address 3900 Adeline Street
 City, State Emeryville Zip 94608 Phone (510)452-2944
3. Mailing Address 155 Grand Ave., Suite 1025
 City, State Oakland, CA Zip 94612 Phone (510)452-2944
4. Property Owner Madison Park
 Business Name (if applicable) Madison Park
 Address 155 Grand Ave., Suite 1025
 City, State Oakland, CA Zip 94612 Phone (510)452-2944
5. Generator name under which tank will be manifested
Madison Park
 EPA I.D. No. under which tank(s) will be manifested CAC002837870

November 17, 2015

SR0028988

6. Contractor Patriot Environmental Services
 Address 255 Parr Blvd
 City, State Richmond, CA Zip 94801 Phone (702) 566-6636
 License Type _____ Class A, HAZ ID# 809990
7. Consultant (if applicable) P&D Environmental, Inc.
 Address 55 Santa Clara Ave., Suite 240
 City, State Oakland, CA Zip 94610 Phone (510)658-6916
8. Main Contact Person for Investigation (if applicable)
 Name Paul H King Title Professional Geologist
 Company P&D Environmental, Inc.
 Phone (510)658-6916
9. Number of underground tanks being closed with this plan 1
 Length of piping being removed under this plan none
 Total number underground tanks at this facility (**confirmed with owner or operator) 1
10. State Registered Hazardous Waste Transporters/Facilities (See Instructions).
- a) Product/Residual Sludge/Rinsate Transporter
 Name Patriot Environmental Services EPA I.D. No. CAD053866794
 Hauler License No. 0335 License Exp. Date 06/30/2016
 Address 255 Parr Blvd
 City, State Richmond, CA Zip 94801
- b) Product/Residual Sludge/Rinsate Disposal Site
 Name Seaport Refining & Environmental EPA I.D. No. CAR000239673
 Address 679 Seaport Blvd.
 City, State Redwood City, CA Zip 94063

c) Tank and Piping Transporter

Name Patriot Environmental Services EPA I.D. No. CAD 053866794
Hauler License No. 809990 License Exp. Date 06/20/2016

d) Tank and Piping Disposal Site

Name ECI EPA I.D. No. CAD 009466392
Address 255 Parr Blvd
City, State Richmond, CA Zip 94801

11. Sample Collector

Name Michael Bass-Deschenes
Company P & D Environmental, Inc.
Address 55 Santa Clara Avenue, Suite 240
City, State Oakland, CA Zip 94610 Phone (510) 658-6916

12. Laboratory

Name McC Campbell Analytical
Company McC Campbell Analytical
Address 1534 Willow Pass Road
City, State Pittsburg, CA Zip 94565
State Certification No. #1644

13. Have tank(s) or piping leaked in the past? Yes [] No [] Unknown [X]

If yes, describe: _____

14. Describe method(s) to be used for rendering tank(s) inert:

Excavate, inert UST atmosphere using dry ice. Verify UST atmosphere is less than 10% LEL and less than 10% oxygen. Remove UST. Collect soil samples and groundwater sample if groundwater is present.

Before tank(s) are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, (415) 771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. **It is the contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.**

15. Tank History and Sampling Information ***** (See Instructions) *****

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Sample(s)
Capacity (gallons)	Use History include date last used (estimated)		
700	unknown	2 soil samples to be collected from beneath the UST (one at each end). There is no piping, so no sample collection beneath piping. One soil sample to be collected from the bin where excavated soil is stored. One groundwater sample to be collected if groundwater is encountered in the UST pit. Liquid samples were collected from the liquid that was pumped from the UST into drums that are currently stored on site.	Soil samples collected from beneath UST to be collected at a depth of 108 inches (bottom of UST is at 84 inches below ground surface, soil samples to be collected 24 inches below bottom of UST)

One soil sample must be collected for every 20 linear feet of underground piping that is removed. A groundwater sample must be collected if any groundwater is present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated)	Sampling Plan
15 cubic yards	Collect one discrete representative sample of relatively undisturbed soil into a 2-inch diameter, 6-inch long stainless steel tube. Cover the ends of the tube sequentially with aluminum foil and plastic endcaps. Label the tube and place it into a cooler with ice. Chain of custody documentation to be observed for all sample handling.

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal?

yes no unknown

If yes, explain reasoning _____

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.

16. Chemical methods and associated detection limits to be used for analyzing sample(s):

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits shall be followed.

See Table 2, Recommended Minimum Verification Analyses for Underground Tank Leaks.

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
			Soil (mg/kg)/ Water ug/L
Unknown Oil			
	SOIL	WATER	SOIL/WATER
TPH as gasoline	EPA 8260B/C	EPA 8260B/C	0.25/ 50
TPH as diesel	EPA 8015	EPA 8015	1.0/ 50
TPH as motor oil	EPA 8015	EPA 8015	5.0/ 250
VOCs (full scan including BTEX, MTBE, TBA, naphthalene, and chlorinated hydrocarbons)	EPA 8260B/C full scan	EPA 8260B/C full scan	0.005/ 0.5
Metals Cd, Cr, Pb, Ni, Zn	EPA 6010	EPA 6010	1.5 (Pb & Zn 5)/ NA
PCBs	EPA 8082A	EPA 8082A	0.05/ 0.5
SVOCs (including PAHs, Pentachlorophenol, and creosote)	EPA 8270	EPA 8270	0.25/ 2

17. Submit Site Health and Safety Plan (See Instructions)

18. Submit Worker's Compensation Certificate copy

Name of Insurer Federal Insurance Company

19. Submit Plot Plan *****(See Instructions)*****

20. Enclose Deposit (See Instructions)

21. **Report all leaks or contamination to this office within 5 days of discovery.**
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (URL) form.
22. **Submit a closure report to this office within 60 days of the tank removal. The closure report must contain all information listed in item 22 of the instructions.**
23. **Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner).**

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan has been approved.

I understand that any changes in design, materials, or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business Patriot Environmental Services

Name of Individual Scott Williams

Signature *Scott Williams* Date 11/17/15

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Check one)

Name of Business Madison Park

Name of Individual Bob Huff

Signature *Bob Huff* Date 11/17/15

Subject: Conditions for Approval of Closure Plan

The following items are included in the Conditions of Approval by Item #:

14. No liquid is to be introduced into the tank while it is in the tank pit. The tank cannot be rinsed or washed while it is in the tank pit. Please remove the tank, place it on bermed plastic sheeting before introducing liquids. Ensure that all liquids are captured within the bermed area and appropriately disposed.

15. One soil sample to be collected from native soil beneath the bottom of each tank. As Stated, if water is encountered in the tank pit, a water sample will be collected. If product piping is encountered, collect one soil sample for every 20 feet of piping.

Hazardous Waste Tank Closure Certification – This form is attached. Please complete in order to transport the tank to a scrap metal facility. A copy will be submitted with the hauler and one will be submitted to ACDEH.

**UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
OPERATING PERMIT APPLICATION – FACILITY INFORMATION**
(One form per facility)

TYPE OF ACTION (Check one item only) 1. NEW PERMIT 5. CHANGE OF INFORMATION 7. PERMANENT FACILITY CLOSURE 400.
 3. RENEWAL PERMIT 6. TEMPORARY FACILITY CLOSURE 9. TRANSFER PERMIT

I. FACILITY INFORMATION

TOTAL NUMBER OF USTs AT FACILITY 404. **2** FACILITY ID # (Agency Use Only) 1.

BUSINESS NAME (Same as Facility Name or DBA – Doing Business As) 3.
3900 Adeline Street

BUSINESS SITE ADDRESS 103. **3900 Adeline Street** CITY 104. **Emeryville**

FACILITY TYPE 1. MOTOR VEHICLE FUELING 2. FUEL DISTRIBUTION 403. Is the facility located on Indian Reservation or Trust lands? 1. Yes 2. No 405.
 3. FARM 4. PROCESSOR 6. OTHER

II. PROPERTY OWNER INFORMATION

PROPERTY OWNER NAME 407. **Madison Park** PHONE 408. **(510) 452-2944**

MAILING ADDRESS 409.
155 Grand Ave., Suite 1025

CITY 410. **Oakland** STATE 411. **CA** ZIP CODE 412. **94612**

III. TANK OPERATOR INFORMATION

TANK OPERATOR NAME 428-1. **Madison Park** PHONE 428-2. **(510) 452-2944**

MAILING ADDRESS 428-3.
155 Grand Ave., Suite 1025

CITY 428-4. **Oakland** STATE 428-5. **CA** ZIP CODE 428-6. **94612**

IV. TANK OWNER INFORMATION

TANK OWNER NAME 414. **Madison Park** PHONE 415. **(510) 452-2944**

MAILING ADDRESS 416.
155 Grand Ave., Suite 1025

CITY 417. **Oakland** STATE 418. **CA** ZIP CODE 419. **94612**

OWNER TYPE: 4. LOCAL AGENCY/DISTRICT 5. COUNTY AGENCY 6. STATE AGENCY 420.
 7. FEDERAL AGENCY 8. NON-GOVERNMENT

V. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER

TY (TK) HQ 44- 421. Call the State Board of Equalization, Fuel Tax Division, if there are questions.

VI. PERMIT HOLDER INFORMATION

Issue permit and send legal notifications and mailings to: 1. FACILITY OWNER 4. TANK OPERATOR 423.
 3. TANK OWNER 5. FACILITY OPERATOR

SUPERVISOR OF DIVISION, SECTION, OR OFFICE (Required for Public Agencies Only) 406.

VII. APPLICANT SIGNATURE

CERTIFICATION: I certify that the information provided herein is true, accurate, and in full compliance with legal requirements.

APPLICANT SIGNATURE 424. DATE 424. **11/17/2015** PHONE 425. **(510) 452-2944**

APPLICANT NAME (print) 426. **JAY H MILLER** APPLICANT TITLE 427. **PROJ MGR**

**UNIFIED PROGRAM CONSOLIDATED FORM
UNDERGROUND STORAGE TANK
OPERATING PERMIT APPLICATION – TANK INFORMATION** (One form per UST)

TYPE OF ACTION (Check one item only. For a UST closure or removal, complete only this section and Sections I, II, III, IV, and IX below)		430.
<input type="checkbox"/> 1. NEW PERMIT	<input type="checkbox"/> 3. RENEWAL PERMIT	<input type="checkbox"/> 5. CHANGE OF INFORMATION
<input type="checkbox"/> 6. TEMPORARY UST CLOSURE	<input type="checkbox"/> 7. UST PERMANENT CLOSURE ON SITE	<input checked="" type="checkbox"/> 8. UST REMOVAL
DATE UST PERMANENTLY CLOSED:	430a	DATE EXISTING UST DISCOVERED:
		430b.

I. FACILITY INFORMATION

FACILITY ID # (Agency Use Only)		
BUSINESS NAME (Same as Facility Name or DBA – Doing Business As)		
3900 Adeline Street		
BUSINESS SITE ADDRESS	CITY	
3900 Adeline Street	Emeryville	

II. TANK DESCRIPTION

TANK ID #	TANK MANUFACTURER	TANK CONFIGURATION: THIS TANK IS
UNK	UNK	<input checked="" type="checkbox"/> 1. A STAND-ALONE TANK
DATE UST SYSTEM INSTALLED	TANK CAPACITY IN GALLONS	<input type="checkbox"/> 2. ONE IN A COMPARTMENTED UNIT
UNK	700	NUMBER OF COMPARTMENTS IN THE UNIT
		1

III. TANK USE AND CONTENTS

TANK USE	<input type="checkbox"/> 1a. MOTOR VEHICLE FUELING	<input type="checkbox"/> 1b. MARINA FUELING	<input type="checkbox"/> 1c. AVIATION FUELING
	<input type="checkbox"/> 3. CHEMICAL PRODUCT STORAGE	<input type="checkbox"/> 4. HAZARDOUS WASTE (includes Used Oil)	<input type="checkbox"/> 5. EMERGENCY GENERATOR FUEL (HSC §25281.5(c))
	<input type="checkbox"/> 6. OTHER GENERATOR FUEL	<input checked="" type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):
CONTENTS	PETROLEUM	NON-PETROLEUM	
	<input type="checkbox"/> 1a. REGULAR UNLEADED	<input type="checkbox"/> 1a. MIDGRADE UNLEADED	<input type="checkbox"/> 1b. PREMIUM UNLEADED
	<input type="checkbox"/> 3. DIESEL	<input type="checkbox"/> 5. JET FUEL	<input type="checkbox"/> 6. AVIATION GAS
	<input type="checkbox"/> 8. PETROLEUM BLEND FUEL	<input type="checkbox"/> 9. OTHER PETROLEUM (Specify)	
	<input type="checkbox"/> 7. USED OIL	<input type="checkbox"/> 10. ETHANOL	
	<input type="checkbox"/> 11. OTHER NON-PETROLEUM (Specify):		

IV. TANK CONSTRUCTION

TYPE OF TANK	<input checked="" type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 95. UNKNOWN
PRIMARY CONTAINMENT	<input checked="" type="checkbox"/> 1. STEEL	<input type="checkbox"/> 3. FIBERGLASS	<input type="checkbox"/> 6. INTERNAL BLADDER
	<input type="checkbox"/> 7. STEEL - INTERNAL LINING	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 99. OTHER (Specify):
SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 3. FIBERGLASS	<input type="checkbox"/> 6. EXTERIOR MEMBRANE LINER
	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 7. JACKETED
OVERFILL PREVENTION	<input type="checkbox"/> 1. AUDIBLE & VISUAL ALARMS	<input type="checkbox"/> 2. BALL FLOAT	<input type="checkbox"/> 3. FILL TUBE SHUT-OFF VALVE
	<input checked="" type="checkbox"/> 4. TANK MEETS REQUIREMENTS FOR EXEMPTION FROM OVERFILL PREVENTION EQUIPMENT		

V. PRODUCT / WASTE PIPING CONSTRUCTION

PIPING CONSTRUCTION	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 99. OTHER
SYSTEM TYPE	<input type="checkbox"/> 1. PRESSURE	<input type="checkbox"/> 2. GRAVITY	<input type="checkbox"/> 3. CONVENTIONAL SUCTION
PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE
	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 10. RIGID PLASTIC
SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 8. FLEXIBLE
	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 95. UNKNOWN	<input type="checkbox"/> 10. RIGID PLASTIC
PIPING/TURBINE CONTAINMENT SUMP TYPE	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input checked="" type="checkbox"/> 90. NONE

VI. VENT, VAPOR RECOVERY (VR) AND RISER / FILL PIPE PIPING CONSTRUCTION

VENT PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):
VENT SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):
VR PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):
VR SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):
VENT PIPING TRANSITION SUMP TYPE	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input checked="" type="checkbox"/> 90. NONE		
RISER PRIMARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):
RISER SECONDARY CONTAINMENT	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input checked="" type="checkbox"/> 90. NONE	<input type="checkbox"/> 99. OTHER (Specify):
FILL COMPONENTS INSTALLED	<input type="checkbox"/> 1. SPILL BUCKET	<input type="checkbox"/> 3. STRIKER PLATE/BOTTOM PROTECTOR	<input type="checkbox"/> 4. CONTAINMENT SUMP		

VII. UNDER DISPENSER CONTAINMENT (UDC)

CONSTRUCTION TYPE	<input type="checkbox"/> 1. SINGLE WALL	<input type="checkbox"/> 2. DOUBLE WALL	<input type="checkbox"/> 3. NO DISPENSERS	<input checked="" type="checkbox"/> 90. NONE
CONSTRUCTION MATERIAL	<input type="checkbox"/> 1. STEEL	<input type="checkbox"/> 4. FIBERGLASS	<input type="checkbox"/> 10. RIGID PLASTIC	<input type="checkbox"/> 99. OTHER (Specify):

VIII. CORROSION PROTECTION

STEEL COMPONENT PROTECTION	<input type="checkbox"/> 2. SACRIFICIAL ANODE(S)	<input type="checkbox"/> 4. IMPRESSED CURRENT	<input type="checkbox"/> 6. ISOLATION
----------------------------	--	---	---------------------------------------

IX. APPLICANT SIGNATURE

CERTIFICATION: I certify that this UST system is compatible with the hazardous substance stored and that the information provided herein is true, accurate, and in full compliance with legal requirements.	
APPLICANT SIGNATURE	DATE
	11/17/2015
APPLICANT NAME (print)	APPLICANT TITLE
JAY MILLER	Proj MGR



CERTIFICATE OF LIABILITY INSURANCE

11/1/2016

DATE (MM/DD/YYYY)

10/30/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Insurance Brokers, LLC 725 S. Figueroa Street, 35th Fl. CA License #0F15767 Los Angeles CA 90017 (213) 689-0065	CONTACT NAME: _____ PHONE (A/C, No. Ext): _____ E-MAIL ADDRESS: _____ FAX (A/C, No): _____													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Starr Surplus Lines Insurance Company</td> <td>13604</td> </tr> <tr> <td>INSURER B : Starr Indemnity & Liability Company</td> <td>38318</td> </tr> <tr> <td>INSURER C : Federal Insurance Company</td> <td>20281</td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Starr Surplus Lines Insurance Company	13604	INSURER B : Starr Indemnity & Liability Company	38318	INSURER C : Federal Insurance Company	20281	INSURER D :		INSURER E :		INSURER F :
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INSURER D :														
INSURER E :														
INSURER F :														
INSURED 1387735 Patriot Environmental Services, Inc. 508 East E. Street, Unit A Wilmington CA 90744														

COVERAGES PATEN01 **CERTIFICATE NUMBER:** 13743517 **REVISION NUMBER:** XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER: _____	N	N	1000065977151	11/1/2015	11/1/2016	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	N	N	SISIPCA08350915	11/1/2015	11/1/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 0	N	N	1000336759151	11/1/2015	11/1/2016	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$ XXXXXXXX
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	004 4728033 00	11/1/2015	11/1/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Contractor's Pollution Professional Liability	N	N	1000065977151	11/1/2015	11/1/2016	Each Occ/Claim: \$1,000,000 General Agg: Included in GL Agg

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 General Aggregate is Policy Aggregate. RE: Evidence of Coverage

CERTIFICATE HOLDER

13743517
 Evidence of Coverage

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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APPENDIX B

City of Emeryville Building Permit

EMERYVILLE BUILDING PERMIT

CITY OF EMERYVILLE, 1333 PARK AVENUE, EMERYVILLE, CA 94608 PHONE (510) 596-4310 FAX (510) 450-7812

Applicant (Contact person): _____

Address: _____

City, State, Zip: _____

Phone: _____

Engineer or Architect: _____

Address: _____

City, State, Zip: _____

Phone: _____ **Lic. No.:** _____

Contractor: _____

Address: _____

City, State, Zip: _____

Phone: _____ **Lic. No.:** _____

LICENSED CONTRACTOR'S DECLARATION:

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

LICENSE CLASS: _____ **LIC. NO.:** _____

DATE: _____ **CONTRACTOR:** _____

OWNER-BUILDER DECLARATION:

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis of the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees provided that the improvements are not offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of a property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors' State License Law.)

I am exempt under Sec. _____, B & P.C. for this reason: _____

Date: _____ **Owner:** _____

WORKERS' COMPENSATION DECLARATION:

I hereby affirm under penalty of perjury one of the following declarations:
 I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: _____ **Policy No.:** _____

I certify that, in the performance of the work for which this permit I issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION

SITE ADDRESS: _____

Property Owner (if known): _____

Phone: _____

Use and Occupancy Group: _____

Type of Construction: _____

Identify Description of Work: _____

VALUATION OF PROPOSED WORK: \$ _____

(Include all labor and materials, all lighting, heating, ventilation, plumbing, electrical, fire sprinklers, elevator equipment, wall finishes, and casework.)

DOCUMENTS SUBMITTED (Circle all that apply):

DRAWINGS	PRODUCT INFORMATION
STRUCTURAL CALCS.	SPECIFICATIONS
ENERGY CALCS.	OTHER _____

THIS PERMIT SHALL COVER (Circle all that apply):

BUILDING	SIGN	FIRE ALARM
PLUMBING	DEMO	FIRE SPRINKLER
ELECTRICAL	GRADING	FIRE (OTHER)
MECHANICAL	SOLAR	OTHER: _____

Do not write below this line

PERMIT NUMBER: _____

Assessor's Parcel Number: _____

Application Received By: _____ **Date:** _____

Application Issued By: _____ **Date:** _____

APPROVALS:

Building: _____ **Date:** _____

Fire: _____ **Date:** _____

Planning: _____ **Date:** _____

Environmental: _____ **Date:** _____

Public Works: _____ **Date:** _____

Police: _____ **Date:** _____

Other: _____ **Date:** _____

LIMITATIONS OR CONDITIONS:

FEES:

General Plan Maintenance Fee: _____

Building Standards Admin. Fund (SB 1473): _____

Technology: _____

Plan Check: _____

Energy Plan Check: _____

Building: _____

LICENSED CONTRACTOR'S DECLARATION:

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

LICENSE CLASS: _____ LIC. NO. _____

DATE: _____ CONTRACTOR: _____

OWNER-BUILDER DECLARATION:

I hereby affirm under penalty of perjury that I am exempt from the Contractors' State License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county that requires a permit to construct, alter, improve, demolish, or repair any structure prior to its issuance, also requires the applicant for the permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors' State License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis of the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).):

() I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of property who builds or improves thereon, and who does the work himself or herself or through his or her own employees provided that the improvements are not offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

() I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors' State License Law does not apply to an owner of a property who builds or improves thereon, and who contracts for the projects with a contractor(s) licensed pursuant to the Contractors' State License Law.)

() I am exempt under Sec. _____, B & P.C. for this reason: _____

Date: _____ Owner: _____

WORKERS' COMPENSATION DECLARATION:

I hereby affirm under penalty of perjury one of the following declarations:

() I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

() I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier: _____ Policy No: _____

() I certify that, in the performance of the work for which this permit I issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that, if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Date: _____ Applicant: _____

CONSTRUCTION LENDING AGENCY:

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name: _____

Lender's Address: _____

I certify that I have read this application and state that the above information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this county to enter upon the above mentioned property for inspection purposes.

Signature of Applicant or Agent _____ Date _____

DOCUMENTS SUBMITTED (Circle all that apply):

DRAWINGS
STRUCTURAL CALCS.
ENERGY CALCS.

PRODUCT INFORMATION
SPECIFICATIONS
OTHER _____

THIS PERMIT SHALL COVER (Circle all that apply):

BUILDING
PLUMBING
ELECTRICAL
MECHANICAL

SIGN
DEMO
GRADING
SOLAR

FIRE ALARM
FIRE SPRINKLER
FIRE (OTHER)
OTHER: _____

Do not write below this line

PERMIT NUMBER: _____

Assessor's Parcel Number: _____

Application Received By: _____ Date: _____

Application Issued By: _____ Date: _____

APPROVALS:

Building: _____ Date: _____

Fire: _____ Date: _____

Planning: _____ Date: _____

Environmental: _____ Date: _____

Public Works: _____ Date: _____

Police: _____ Date: _____

Other: _____ Date: _____

LIMITATIONS OR CONDITIONS:

FEES:

General Plan Maintenance Fee: _____

Building Standards Admin. Fund (SB 1473): _____

Technology: _____

Plan Check: _____

Energy Plan Check: _____

Building: _____

Plumbing: _____

Electrical: _____

Mechanical: _____

Strong Motion Instrumentation Program: _____

Microfiche: _____

Fire: _____

Sewer Connection: _____

Art In Public Places: _____

School: _____

Other: _____

TOTAL: _____

APPENDIX C

Non-Hazardous Water Transport Form



Seaport Environmental
NON-HAZARDOUS WATER TRANSPORT FORM

--	--	--	--

GENERATOR INFORMATION

Madison Park
 155 Grand Ave.
 Oakland Ca

CUSTOMER INFORMATION

Patriot Environmental
 702-566-6636
 PO # 08-15-00161

DESCRIPTION OF WATER: Rain Water in Drums
 NON-HAZARDOUS WASTE WATER, MONITORING WELL PURGE WATER AND/OR AUGER RINSATE, TANK RINSATE OR ABOVE DESCRIBED WATER. THIS WATER MAY CONTAIN DISSOLVED HYDROCARBONS. I CERTIFY THAT THE ABOVE NAMED MATERIAL IS A LIQUID EXEMPT FROM RCRA PER 40 CFR 261.4 (b)(10) AND DOES NOT MEET THE CRITERIA OF HAZARDOUS WASTE AS DESCRIBED IN 22 CCR ARTICLE 11 OR ANY OTHER APPLICABLE STATE LAW, HAS BEEN PROPERLY DESCRIBED, CLASSIFIED AND PACKAGED AND IS IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO APPLICABLE REGULATIONS.

BOB HUFF

Generator/Authorized Agent

~~_____~~

Sign

11/24/15

date

SITE INFORMATION

155 Grand Ave. 3900 ADELINIE
 Oakland EMERYVILLE
 Ca

GROSS	
TARE	
NET	
TOTAL GALLONS	<u>700</u>

Calculated at 8.34lbs per USG

TRANSPORTER INFORMATION

Patriot Environmental

Truck ID: 83 Trailer # T39

Driver: Tom L Powell 11-25-15
 Print full name & sign date

TIME OUT	
TIME IN	
TIME SPENT	

DISPOSAL FACILITY INFORMATION EPA ID: CAR 000239673

Seaport Environmental
 679 Seaport Boulevard
 Redwood City, Ca 94063
 Phone: (650) 364 1024

Approval Number

600 - 1748

Solids %Wt

4%

pH

7

Solids Surcharge
 \$/USG

Received by _____
 Print full name & sign

date

11-25-15

44

APPENDIX D

**Uniform Hazardous Waste Manifest # 014477279 JJK for
Oily Water**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number <i>10-205-78-55</i>	2. Page 1 of <i>1</i>	3. Emergency Response Phone <i>800-424-1150</i>		4. Manifest Tracking Number 014477279 JJK					
		5. Generator's Name and Mailing Address <i>WILSON INDUSTRIAL SERVICES</i>					Generator's Site Address (if different than mailing address) <i>1080 S. 7TH AVE. 15A-11 3A</i>				
Generator's Phone: <i>408-452-5445</i>		6. Transporter 1 Company Name <i>WILSON INDUSTRIAL SERVICES</i>		U.S. EPA ID Number <i>4105306714</i>							
		7. Transporter 2 Company Name		U.S. EPA ID Number							
		8. Designated Facility Name and Site Address <i>WILSON INDUSTRIAL SERVICES</i>		U.S. EPA ID Number							
Facility's Phone: <i>408-452-5445</i>											
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
				No.	Type						
	1.	<i>HAZARDOUS WASTE LIQUID (OIL/WATER)</i>		<i>1</i>	<i>11A</i>	<i>1</i>		<i>2002</i>			
	2.										
	3.										
4.											
14. Special Handling Instructions and Additional Information <i>02-15-2016</i>											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations, if export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offeror's Printed/Typed Name <i>JIM WILSON</i>				Signature <i>[Signature]</i>				Month	Day	Year	
								<i>12</i>	<i>2</i>	<i>15</i>	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Materials										
TRANSPORTER	Transporter 1 Printed/Typed Name <i>[Name]</i>				Signature <i>[Signature]</i>				Month	Day	Year
Transporter 2 Printed/Typed Name				Signature				Month	Day	Year	
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
	18b. Alternate Facility (or Generator)						Manifest Reference Number:				
	Facility's Phone:						U.S. EPA ID Number				
	18c. Signature of Alternate Facility (or Generator)						Month	Day	Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1. _____			2. _____			3. _____			4. _____		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a											
Printed/Typed Name				Signature				Month	Day	Year	

APPENDIX E

Photographs



Image #1 East end of UST on November 17, 2015.



Image #2 Hole on north side in upper half on west half of UST.



Image #3 Close-up of hole on north side in upper half on west half of UST.



Image #4 Hole near bottom at west end of UST.



Image #5 UST on truck for transportation.






Image #6 UST pit sample collection location.



Image # 7 Soil in backhoe bucket from UST soil sample collection depth.

APPENDIX F

**Uniform Hazardous Waste Manifest # 013897131 JJK for
UST**

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAC002837822	2. Page 1 of 1	3. Emergency Response Phone 510-459-8824	4. Manifest Tracking Number 013897131 JJK	
5. Generator's Name and Mailing Address MADISON PARK 155 GRAND AVE STE 1025 OAKLAND CA. 94612 (510)452-2944			Generator's Site Address (if different than mailing address) 3900 ADELINE ST EMERYVILLE CA 94608			
6. Transporter 1 Company Name PATRIOT ENVIRONMENTAL SERVICES			U.S. EPA ID Number CAD053866794			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address ECOLOGY CONTROL INDUSTRIES 255 PARR BLVD RICHMON CA. 94801 (510-459-8824)			U.S. EPA ID Number CAD009466392			
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	NON-RCRA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)	1	TP	700	P	512
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information ECI JOB #52T4970 WEIGHTS AND VOLUMES ARE APPROXIMATE TANK#34688						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name CAUCE COOPER			Signature 		Month Day Year 11 25 15	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Michael Caligaris			Signature 		Month Day Year 11 25 15	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator)			U.S. EPA ID Number			
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)					Month Day Year	
19. Hazardous Waste Remediation Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	H129	2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 19b						
Printed/Typed Name BILL MAASKE			Signature 		Month Day Year 11 25 15	

107-DLC-U-9 107278

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GENERATOR

TRANSPORTER INTL

DESIGNATED FACILITY

APPENDIX G

UST Certificate of Destruction

**CERTIFICATE
CERTIFIED SERVICES COMPANY**

255 Parr Boulevard · Richmond, California 94801
Phone # 510-235-1393

CUSTOMER: PATRIOT ENVIRONMENTAL INC

JOB NO: 52T4970

GENERATOR: MADISON PARK

3900 ADELIN STREET EMERYVILLE CA 94608

FOR: ECOLOGY CONTROL INDUSTRIES

TANK NO.: 34688

LOCATION: RICHMOND

DATE: 12/02/2015

LAST PRODUCT: DIESEL

TEST METHOD: VISUAL GASTECH/1314 SMPN

This is to certify that I have personally determined that this is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE: 750 GALLONS

CONDITION: SAFE FOR FIRE

REMARKS:

OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES

HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED

AND THEREFORE, DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.

ECOLOGY CONTROL INDUSTRIES HAS THE APPROPRIATE PERMITS FOR AND HAS ACCEPTED

THE TANK SHIPPED TO US FOR PROCESSING.

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissible concentrations; and (c) In the judgment of the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) in the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

Bill [Signature]

REPRESENTATIVE

TITLE


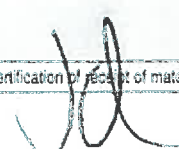
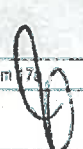
[Signature]

INSPECTOR

APPENDIX H

Non-Hazardous Waste Manifests for Soil Disposal

B:n 15245

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number EXEMPT	2. Page 1 of 1	3. Emergency Response Phone 800-624-9136	4. Waste Tracking Number PHLF-15-730	
5. Generator's Name and Mailing Address MADISON PARK 155 GRAND AVE OAKLAND CA			Generator's Site Address (if different than mailing address) 3900 ADELINE EMERYVILLE CA			
Generator's Phone 510-452-5494 94612			U.S. EPA ID Number CA053866794			
6. Transporter 1 Company Name Patriot Environmental Services			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Potrero Hills Landfill 3675 Potrero Hills Lane Suisun CA			U.S. EPA ID Number EXEMPT			
Facility's Phone: 207-432-4627 94585						
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	1. NON HAZ SOIL		01	CM	20	Y
	2.					
	3.					
4.						
13. Special Handling Instructions and Additional Information 1- Wear Proper P.P.E ProFile# PHLF-15-730 Patriot Job# 08-15-00161						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Officer's Printed/Typed Name Steve Williams (Agent for)		Signature 		Month 12	Day 3	Year 15
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Quincy Perkins		Signature		Month	Day	Year
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
17b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
17c. Signature of Alternate Facility (or Generator) Month Day Year						
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a						
Printed/Typed Name 		Signature 		Month 12	Day 3	Year 15

Bin 20438

NON-HAZARDOUS WASTE MANIFEST 1. Generator ID Number EXEMPT 2. Page 1 of 1 3. Emergency Response Phone 800-674-9186 4. Waste Tracking Number AHLF-15-730

5. Generator's Name and Mailing Address MADISON PARK 1536 GRAND AVE OAKLAND CA 94612 Generator's Site Address (if different than mailing address) 3900 ADELINE EMERYVILLE CA Generator's Phone: 510-452-5492

6. Transporter 1 Company Name U.S. EPA ID Number PATRIOT ENVIRONMENTAL SERVICES CA0053866794 7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address U.S. EPA ID Number POTREAU HILLS LANDFILL 3675 POTREAU HILLS LANE SUISUN CA 94585 EXEMPT Facility's Phone: 707-432-4627

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. NON HAZARDOUS SOIL	01	CM	20	Y
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information 1. WEAR PROPER PPE PROFILE: AHLF-15-730 08-15-00161

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. Generator's/Offoror's Printed/Typed Name Jim Nti Signature [Signature] Month Day Year 12 2 15

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Quincy Perkins Signature [Signature] Month Day Year 12 2 15 Transporter 2 Printed/Typed Name Signature

17. Discrepancy 17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection Manifest Reference Number: U.S. EPA ID Number

17b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a. Printed/Typed Name [Signature] Signature [Signature] Month Day Year 12 2 15

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

DESIGNATED FACILITY TO GENERATOR

APPENDIX I

Weighmaster Certificates

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

POTRERO HILLS LANDFILL, INC.
Weighed at:
POTRERO HILLS LANDFILL, INC.
P.O. Box 68
FAIRFIELD, CA 94533

Deputy: Jaclyn DeLeon
Deposit: Jaclyn DeLeon
BILL TO: 2853
PATRIOT ENVIRONMENTAL SVCS

Deputy: Janea Gutierrez
Deposit: Janea Gutierrez
BILL TO: 2853
PATRIOT ENVIRONMENTAL SVCS

Vehicle ID:
Reference: PHLF15730L
Grid: 33
DriverOn?: N
Route: JOB: 08-15-00161
TRLR/LPN#: P919 AZ AE26472

Vehicle ID:
Reference: PHLF15730L
Grid: 33
HaulCust#: LINER IN LOAD
DriverOn?: N
Route: 05-15-00161
TRLR/LPN#: P919 AZ AE36472 BIN:20438

Origin: EMERYVILLE
DATE IN: 12/03/2015 TIME IN: 09:41:09
DATE OUT: 12/05/2015 TIME OUT: 10:12:01

Origin: EMERYVILLE
DATE IN: 12/02/2015 TIME IN: 14:26:54
DATE OUT: 12/02/2015 TIME OUT: 15:06:08

INBOUND TICKET Number: 01-00622981

INBOUND TICKET Number: 01-00622815

SCALE 1 GROSS WT.	60420 LB
SCALE 3 TARE WT.	40740 LB
NET WEIGHT	19680 LB

SCALE 1 GROSS WT.	54940 LB
SCALE 3 TARE WT.	41180 LB
NET WEIGHT	13760 LB

Qty	Description	Amount
9.84	Profile Soil - Disp	

Qty	Description	Amount
6.88	Profile Soil-T Disp	

X _____

X _____

WEIGHMASTER CERTIFICATE:

WEIGHMASTER CERTIFICATE:

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 accuracy, 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 and Agriculture.

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 accuracy, 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 and Agriculture.

X _____
(Deputy Signature)

X _____
(Deputy Signature)

This is to certify that this load does not contain any hazardous materials, medical waste or liquids of any type.

This is to certify that this load does not contain any hazardous materials.

APPENDIX J

Laboratory Analytical Reports and Chain of Custody Documentation

- **McC Campbell Workorder # 1511B05 - Soil Sample T1-9.0 Results**
- **McC Campbell Workorder # 1511716 - Soil Sample BIN 1 Results**
- **McC Campbell Workorder # 1511B04 - Soil Sample BIN 2 Results**



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1511B05

Report Created for: P & D Environmental

55 Santa Clara, Ste.240
Oakland, CA 94610

Project Contact: Paul King

Project P.O.:

Project Name: 0735; 3900 Adeline St. Emeryville

Project Received: 11/25/2015

Analytical Report reviewed & approved for release on 12/04/2015 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: P & D Environmental
Project: 0735; 3900 Adeline St. Emeryville
WorkOrder: 1511B05

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

h4 sulfuric acid permanganate (EPA 3665) cleanup

Quality Control Qualifiers

F1 MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validated the prep batch.



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 12/3/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW3550B
Analytical Method: SW8082
Unit: mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	GC5A	113648
Analytes	Result		RL	DE	Date Analyzed
Aroclor1016	ND		0.050	1	12/04/2015 11:09
Aroclor1221	ND		0.050	1	12/04/2015 11:09
Aroclor1232	ND		0.050	1	12/04/2015 11:09
Aroclor1242	ND		0.050	1	12/04/2015 11:09
Aroclor1248	ND		0.050	1	12/04/2015 11:09
Aroclor1254	ND		0.050	1	12/04/2015 11:09
Aroclor1260	ND		0.050	1	12/04/2015 11:09
PCBs, total	ND		0.050	1	12/04/2015 11:09
Surrogates	REC (%)		Limits		
Decachlorobiphenyl	92		70-130		12/04/2015 11:09
Analyst(s): SS			Analytical Comments: h4		



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	GC18	113445
Analytes	Result	RL	DF	Date Analyzed	
Acetone	ND	0.10	1	11/26/2015 05:31	
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/26/2015 05:31	
Benzene	ND	0.0050	1	11/26/2015 05:31	
Bromobenzene	ND	0.0050	1	11/26/2015 05:31	
Bromochloromethane	ND	0.0050	1	11/26/2015 05:31	
Bromodichloromethane	ND	0.0050	1	11/26/2015 05:31	
Bromoform	ND	0.0050	1	11/26/2015 05:31	
Bromomethane	ND	0.0050	1	11/26/2015 05:31	
2-Butanone (MEK)	ND	0.020	1	11/26/2015 05:31	
t-Butyl alcohol (TBA)	ND	0.050	1	11/26/2015 05:31	
n-Butyl benzene	ND	0.0050	1	11/26/2015 05:31	
sec-Butyl benzene	ND	0.0050	1	11/26/2015 05:31	
tert-Butyl benzene	ND	0.0050	1	11/26/2015 05:31	
Carbon Disulfide	ND	0.0050	1	11/26/2015 05:31	
Carbon Tetrachloride	ND	0.0050	1	11/26/2015 05:31	
Chlorobenzene	ND	0.0050	1	11/26/2015 05:31	
Chloroethane	ND	0.0050	1	11/26/2015 05:31	
Chloroform	ND	0.0050	1	11/26/2015 05:31	
Chloromethane	ND	0.0050	1	11/26/2015 05:31	
2-Chlorotoluene	ND	0.0050	1	11/26/2015 05:31	
4-Chlorotoluene	ND	0.0050	1	11/26/2015 05:31	
Dibromochloromethane	ND	0.0050	1	11/26/2015 05:31	
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/26/2015 05:31	
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/26/2015 05:31	
Dibromomethane	ND	0.0050	1	11/26/2015 05:31	
1,2-Dichlorobenzene	ND	0.0050	1	11/26/2015 05:31	
1,3-Dichlorobenzene	ND	0.0050	1	11/26/2015 05:31	
1,4-Dichlorobenzene	ND	0.0050	1	11/26/2015 05:31	
Dichlorodifluoromethane	ND	0.0050	1	11/26/2015 05:31	
1,1-Dichloroethane	ND	0.0050	1	11/26/2015 05:31	
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/26/2015 05:31	
1,1-Dichloroethene	ND	0.0050	1	11/26/2015 05:31	
cis-1,2-Dichloroethene	ND	0.0050	1	11/26/2015 05:31	
trans-1,2-Dichloroethene	ND	0.0050	1	11/26/2015 05:31	
1,2-Dichloropropane	ND	0.0050	1	11/26/2015 05:31	
1,3-Dichloropropane	ND	0.0050	1	11/26/2015 05:31	
2,2-Dichloropropane	ND	0.0050	1	11/26/2015 05:31	

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Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	GC18	113445
Analytes	Result	RL	DE	Date Analyzed	
1,1-Dichloropropene	ND	0.0050	1	11/26/2015 05:31	
cis-1,3-Dichloropropene	ND	0.0050	1	11/26/2015 05:31	
trans-1,3-Dichloropropene	ND	0.0050	1	11/26/2015 05:31	
Diisopropyl ether (DIPE)	ND	0.0050	1	11/26/2015 05:31	
Ethylbenzene	ND	0.0050	1	11/26/2015 05:31	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/26/2015 05:31	
Freon 113	ND	0.0050	1	11/26/2015 05:31	
Hexachlorobutadiene	ND	0.0050	1	11/26/2015 05:31	
Hexachloroethane	ND	0.0050	1	11/26/2015 05:31	
2-Hexanone	ND	0.0050	1	11/26/2015 05:31	
Isopropylbenzene	ND	0.0050	1	11/26/2015 05:31	
4-Isopropyl toluene	ND	0.0050	1	11/26/2015 05:31	
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/26/2015 05:31	
Methylene chloride	ND	0.0050	1	11/26/2015 05:31	
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/26/2015 05:31	
Naphthalene	ND	0.0050	1	11/26/2015 05:31	
n-Propyl benzene	ND	0.0050	1	11/26/2015 05:31	
Styrene	ND	0.0050	1	11/26/2015 05:31	
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/26/2015 05:31	
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/26/2015 05:31	
Tetrachloroethene	ND	0.0050	1	11/26/2015 05:31	
Toluene	ND	0.0050	1	11/26/2015 05:31	
1,2,3-Trichlorobenzene	ND	0.0050	1	11/26/2015 05:31	
1,2,4-Trichlorobenzene	ND	0.0050	1	11/26/2015 05:31	
1,1,1-Trichloroethane	ND	0.0050	1	11/26/2015 05:31	
1,1,2-Trichloroethane	ND	0.0050	1	11/26/2015 05:31	
Trichloroethene	ND	0.0050	1	11/26/2015 05:31	
Trichlorofluoromethane	ND	0.0050	1	11/26/2015 05:31	
1,2,3-Trichloropropane	ND	0.0050	1	11/26/2015 05:31	
1,2,4-Trimethylbenzene	ND	0.0050	1	11/26/2015 05:31	
1,3,5-Trimethylbenzene	ND	0.0050	1	11/26/2015 05:31	
Vinyl Chloride	ND	0.0050	1	11/26/2015 05:31	
Xylenes, Total	ND	0.0050	1	11/26/2015 05:31	

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Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	GC18	113445

Analytes	Result	RL	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>	
Dibromofluoromethane	102		70-130	11/26/2015 05:31
Toluene-d8	91		70-130	11/26/2015 05:31
4-BFB	107		70-130	11/26/2015 05:31
Benzene-d6	97		60-140	11/26/2015 05:31
Ethylbenzene-d10	97		60-140	11/26/2015 05:31
1,2-DCB-d4	90		60-140	11/26/2015 05:31

Analyst(s): AK



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 11/28/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	GC17	113481
Analytes	Result	RL	DF	Date Analyzed	
Acenaphthene	ND	0.25	1	11/30/2015 15:44	
Acenaphthylene	ND	0.25	1	11/30/2015 15:44	
Acetochlor	ND	0.25	1	11/30/2015 15:44	
Anthracene	ND	0.25	1	11/30/2015 15:44	
Benzidine	ND	1.3	1	11/30/2015 15:44	
Benzo (a) anthracene	ND	0.25	1	11/30/2015 15:44	
Benzo (a) pyrene	ND	0.25	1	11/30/2015 15:44	
Benzo (b) fluoranthene	ND	0.25	1	11/30/2015 15:44	
Benzo (g,h,i) perylene	ND	0.25	1	11/30/2015 15:44	
Benzo (k) fluoranthene	ND	0.25	1	11/30/2015 15:44	
Benzyl Alcohol	ND	1.3	1	11/30/2015 15:44	
1,1-Biphenyl	ND	0.25	1	11/30/2015 15:44	
Bis (2-chloroethoxy) Methane	ND	0.25	1	11/30/2015 15:44	
Bis (2-chloroethyl) Ether	ND	0.25	1	11/30/2015 15:44	
Bis (2-chloroisopropyl) Ether	ND	0.25	1	11/30/2015 15:44	
Bis (2-ethylhexyl) Adipate	ND	0.25	1	11/30/2015 15:44	
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	11/30/2015 15:44	
4-Bromophenyl Phenyl Ether	ND	0.25	1	11/30/2015 15:44	
Butylbenzyl Phthalate	ND	0.25	1	11/30/2015 15:44	
4-Chloroaniline	ND	0.50	1	11/30/2015 15:44	
4-Chloro-3-methylphenol	ND	0.25	1	11/30/2015 15:44	
2-Chloronaphthalene	ND	0.25	1	11/30/2015 15:44	
2-Chlorophenol	ND	0.25	1	11/30/2015 15:44	
4-Chlorophenyl Phenyl Ether	ND	0.25	1	11/30/2015 15:44	
Chrysene	ND	0.25	1	11/30/2015 15:44	
Dibenzo (a,h) anthracene	ND	0.25	1	11/30/2015 15:44	
Dibenzofuran	ND	0.25	1	11/30/2015 15:44	
Di-n-butyl Phthalate	ND	0.25	1	11/30/2015 15:44	
1,2-Dichlorobenzene	ND	0.25	1	11/30/2015 15:44	
1,3-Dichlorobenzene	ND	0.25	1	11/30/2015 15:44	
1,4-Dichlorobenzene	ND	0.25	1	11/30/2015 15:44	
3,3-Dichlorobenzidine	ND	0.50	1	11/30/2015 15:44	
2,4-Dichlorophenol	ND	0.25	1	11/30/2015 15:44	
Diethyl Phthalate	ND	0.25	1	11/30/2015 15:44	
2,4-Dimethylphenol	ND	0.25	1	11/30/2015 15:44	
Dimethyl Phthalate	ND	0.25	1	11/30/2015 15:44	
4,6-Dinitro-2-methylphenol	ND	1.3	1	11/30/2015 15:44	

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Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 11/28/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	GC17	113481
Analytes	Result	RL	DF	Date Analyzed	
2,4-Dinitrophenol	ND	6.3	1	11/30/2015 15:44	
2,4-Dinitrotoluene	ND	0.25	1	11/30/2015 15:44	
2,6-Dinitrotoluene	ND	0.25	1	11/30/2015 15:44	
Di-n-octyl Phthalate	ND	0.50	1	11/30/2015 15:44	
1,2-Diphenylhydrazine	ND	0.25	1	11/30/2015 15:44	
Fluoranthene	ND	0.25	1	11/30/2015 15:44	
Fluorene	ND	0.25	1	11/30/2015 15:44	
Hexachlorobenzene	ND	0.25	1	11/30/2015 15:44	
Hexachlorobutadiene	ND	0.25	1	11/30/2015 15:44	
Hexachlorocyclopentadiene	ND	1.3	1	11/30/2015 15:44	
Hexachloroethane	ND	0.25	1	11/30/2015 15:44	
Indeno (1,2,3-cd) pyrene	ND	0.25	1	11/30/2015 15:44	
Isophorone	ND	0.25	1	11/30/2015 15:44	
2-Methylnaphthalene	ND	0.25	1	11/30/2015 15:44	
2-Methylphenol (o-Cresol)	ND	0.25	1	11/30/2015 15:44	
3 & 4-Methylphenol (m,p-Cresol)	ND	0.25	1	11/30/2015 15:44	
Naphthalene	ND	0.25	1	11/30/2015 15:44	
2-Nitroaniline	ND	1.3	1	11/30/2015 15:44	
3-Nitroaniline	ND	1.3	1	11/30/2015 15:44	
4-Nitroaniline	ND	1.3	1	11/30/2015 15:44	
Nitrobenzene	ND	0.25	1	11/30/2015 15:44	
2-Nitrophenol	ND	1.3	1	11/30/2015 15:44	
4-Nitrophenol	ND	1.3	1	11/30/2015 15:44	
N-Nitrosodiphenylamine	ND	0.25	1	11/30/2015 15:44	
N-Nitrosodi-n-propylamine	ND	0.25	1	11/30/2015 15:44	
Pentachlorophenol	ND	1.3	1	11/30/2015 15:44	
Phenanthrene	ND	0.25	1	11/30/2015 15:44	
Phenol	ND	0.25	1	11/30/2015 15:44	
Pyrene	ND	0.25	1	11/30/2015 15:44	
1,2,4-Trichlorobenzene	ND	0.25	1	11/30/2015 15:44	
2,4,5-Trichlorophenol	ND	0.25	1	11/30/2015 15:44	
2,4,6-Trichlorophenol	ND	0.25	1	11/30/2015 15:44	

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Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 11/28/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	GC17	113481

Analytes	Result	RL	DE	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorophenol	78	30-130		11/30/2015 15:44
Phenol-d5	74	30-130		11/30/2015 15:44
Nitrobenzene-d5	66	30-130		11/30/2015 15:44
2-Fluorobiphenyl	64	30-130		11/30/2015 15:44
2,4,6-Tribromophenol	60	16-130		11/30/2015 15:44
4-Terphenyl-d14	73	30-130		11/30/2015 15:44

Analyst(s): HK



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	ICP-MS1	113446
Analytes	Result	RL	DF	Date Analyzed	
Antimony	0.79	0.50	1	11/30/2015 17:34	
Arsenic	9.6	0.50	1	11/30/2015 17:34	
Barium	190	5.0	1	11/30/2015 17:34	
Beryllium	0.65	0.50	1	11/30/2015 17:34	
Cadmium	0.76	0.25	1	11/30/2015 17:34	
Chromium	58	0.50	1	11/30/2015 17:34	
Cobalt	13	0.50	1	11/30/2015 17:34	
Copper	34	0.50	1	11/30/2015 17:34	
Lead	7.7	0.50	1	11/30/2015 17:34	
Mercury	0.076	0.050	1	11/30/2015 17:34	
Molybdenum	2.5	0.50	1	11/30/2015 17:34	
Nickel	79	0.50	1	11/30/2015 17:34	
Selenium	ND	0.50	1	11/30/2015 17:34	
Silver	ND	0.50	1	11/30/2015 17:34	
Thallium	ND	0.50	1	11/30/2015 17:34	
Vanadium	57	0.50	1	11/30/2015 17:34	
Zinc	100	5.0	1	11/30/2015 17:34	
Surrogates	REC (%)	Limits			
Terbium	108	70-130		11/30/2015 17:34	
Analyst(s): DB					



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: mg/Kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	GC19	113423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	ND		1.0	1	11/28/2015 19:37
MTBE	---		0.050	1	11/28/2015 19:37
Benzene	---		0.0050	1	11/28/2015 19:37
Toluene	---		0.0050	1	11/28/2015 19:37
Ethylbenzene	---		0.0050	1	11/28/2015 19:37
Xylenes	---		0.015	1	11/28/2015 19:37
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
2-Fluorotoluene	121		70-130		11/28/2015 19:37
Analyst(s): IA					



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:36
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
Extraction Method: SW3550B
Analytical Method: SW8015B
Unit: mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T1-9.0	1511B05-001A	Soil	11/25/2015	GC6A	113452
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	ND		1.0	1	12/01/2015 16:12
TPH-Motor Oil (C18-C36)	ND		5.0	1	12/01/2015 16:12
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	109		70-130		12/01/2015 16:12
<u>Analyst(s):</u>	TK				



Quality Control Report

Client: P & D Environmental
Date Prepared: 12/2/15
Date Analyzed: 12/3/15
Instrument: GC5A
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
BatchID: 113648
Extraction Method: SW3550B
Analytical Method: SW8082
Unit: mg/kg
Sample ID: MB/LCS-113648
1512088-001AMS/MSD

QC Summary Report for SW8082

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aroclor1016	ND	-	0.050	-	-	-	-
Aroclor1221	ND	-	0.050	-	-	-	-
Aroclor1232	ND	-	0.050	-	-	-	-
Aroclor1242	ND	-	0.050	-	-	-	-
Aroclor1248	ND	-	0.050	-	-	-	-
Aroclor1254	ND	-	0.050	-	-	-	-
Aroclor1260	ND	0.168	0.050	0.15	-	112	70-130
PCBs, total	ND	-	0.050	-	-	-	-

Surrogate Recovery

Decachlorobiphenyl	0.0446	0.0483		0.050	89	97	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aroclor1260	0.144	0.144	0.15	ND	96	96	70-130	0	30

Surrogate Recovery

Decachlorobiphenyl	0.0475	0.0471	0.050		95	94	70-130	0.864	30
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Quality Control Report

Client: P & D Environmental
Date Prepared: 11/25/15
Date Analyzed: 11/25/15
Instrument: GC16
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
BatchID: 113445
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/Kg
Sample ID: MB/LCS-113445
 1511A83-010AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0400	0.0050	0.050	-	80	53-116
Benzene	ND	0.0467	0.0050	0.050	-	93	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.176	0.050	0.20	-	88	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0436	0.0050	0.050	-	87	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0422	0.0040	0.050	-	84	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0438	0.0040	0.050	-	88	58-135
1,1-Dichloroethene	ND	0.0446	0.0050	0.050	-	89	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-

(Cont.)



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/25/15
Date Analyzed: 11/25/15
Instrument: GC16
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
BatchID: 113445
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/Kg
Sample ID: MB/LCS-113445
1511A83-010AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0446	0.0050	0.050	-	89	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0427	0.0050	0.050	-	85	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0422	0.0050	0.050	-	84	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0488	0.0050	0.050	-	98	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0445	0.0050	0.050	-	89	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

(Cont.)



Quality Control Report

Client: P & D Environmental

Date Prepared: 11/25/15

Date Analyzed: 11/25/15

Instrument: GC16

Matrix: Soil

Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05

BatchID: 113445

Extraction Method: SW5030B

Analytical Method: SW8260B

Unit: mg/Kg

Sample ID: MB/LCS-113445
1511A83-010AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.116	0.119		0.12	93	95	70-130
Toluene-d8	0.122	0.117		0.12	97	94	70-130
4-BFB	0.0113	0.0116		0.012	90	93	70-130
Benzene-d6	0.0905	0.0876		0.10	91	88	60-140
Ethylbenzene-d10	0.0959	0.0983		0.10	96	98	60-140
1,2-DCB-d4	0.0758	0.0768		0.10	76	77	60-140

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.0485	0.0467	0.050	ND	97	93	70-130	3.90	20
Benzene	0.0409	0.0400	0.050	ND	82	80	70-130	2.20	20
t-Butyl alcohol (TBA)	0.171	0.163	0.20	ND	85	82	70-130	4.49	20
Chlorobenzene	0.0402	0.0396	0.050	ND	80	79	70-130	1.40	20
1,2-Dibromoethane (EDB)	0.0434	0.0418	0.050	ND	87	84	70-130	3.79	20
1,2-Dichloroethane (1,2-DCA)	0.0424	0.0411	0.050	ND	85	82	70-130	3.10	20
1,1-Dichloroethene	0.0395	0.0386	0.050	ND	79	77	70-130	2.35	20
Diisopropyl ether (DIPE)	0.0434	0.0425	0.050	ND	87	85	70-130	2.03	20
Ethyl tert-butyl ether (ETBE)	0.0467	0.0455	0.050	ND	93	91	70-130	2.52	20
Methyl-t-butyl ether (MTBE)	0.0460	0.0448	0.050	ND	92	89	70-130	2.67	20
Toluene	0.0410	0.0404	0.050	ND	82	81	70-130	1.56	20
Trichloroethene	0.0407	0.0398	0.050	ND	81	80	70-130	2.19	20

Surrogate Recovery									
Dibromofluoromethane	0.140	0.142	0.12		112	113	70-130	1.05	20
Toluene-d8	0.125	0.126	0.12		100	101	70-130	1.04	20
4-BFB	0.0132	0.0131	0.012		105	105	70-130	0	20
Benzene-d6	0.0910	0.0908	0.10		91	91	60-140	0	20
Ethylbenzene-d10	0.0884	0.0877	0.10		88	88	60-140	0	20
1,2-DCB-d4	0.0855	0.0851	0.10		86	85	60-140	0.530	20



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/28/15
Date Analyzed: 11/30/15
Instrument: GC21
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
BatchID: 113481
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-113481
 1511B24-006AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	3.45	0.25	5	-	69	30-130
Acenaphthylene	ND	-	0.25	-	-	-	-
Acetochlor	ND	-	0.25	-	-	-	-
Anthracene	ND	-	0.25	-	-	-	-
Benzidine	ND	-	1.3	-	-	-	-
Benzo (a) anthracene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	ND	-	0.25	-	-	-	-
Benzo (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzyl Alcohol	ND	-	1.3	-	-	-	-
1,1-Biphenyl	ND	-	0.25	-	-	-	-
Bis (2-chloroethoxy) Methane	ND	-	0.25	-	-	-	-
Bis (2-chloroethyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-chloroisopropyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Adipate	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	-	0.25	-	-	-	-
4-Bromophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Butylbenzyl Phthalate	ND	-	0.25	-	-	-	-
4-Chloroaniline	ND	-	0.50	-	-	-	-
4-Chloro-3-methylphenol	ND	3.61	0.25	5	-	72	30-130
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	3.73	0.25	5	-	75	30-130
4-Chlorophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Chrysene	ND	-	0.25	-	-	-	-
Dibenzo (a,h) anthracene	ND	-	0.25	-	-	-	-
Dibenzofuran	ND	-	0.25	-	-	-	-
Di-n-butyl Phthalate	ND	-	0.25	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,4-Dichlorobenzene	ND	3.40	0.25	5	-	68	30-130
3,3-Dichlorobenzidine	ND	-	0.50	-	-	-	-
2,4-Dichlorophenol	ND	-	0.25	-	-	-	-
Diethyl Phthalate	ND	-	0.25	-	-	-	-
2,4-Dimethylphenol	ND	-	0.25	-	-	-	-
Dimethyl Phthalate	ND	-	0.25	-	-	-	-
4,6-Dinitro-2-methylphenol	ND	-	1.3	-	-	-	-

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Quality Control Report

Client:	P & D Environmental	WorkOrder:	1511B05
Date Prepared:	11/28/15	BatchID:	113481
Date Analyzed:	11/30/15	Extraction Method:	SW3550B
Instrument:	GC21	Analytical Method:	SW8270C
Matrix:	Soil	Unit:	mg/Kg
Project:	0735; 3900 Adeline St. Emeryville	Sample ID:	MB/LCS-113481 1511B24-006AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	3.43	0.25	5	-	69	30-130
2,6-Dinitrotoluene	ND	-	0.25	-	-	-	-
Di-n-octyl Phthalate	ND	-	0.50	-	-	-	-
1,2-Diphenylhydrazine	ND	-	0.25	-	-	-	-
Fluoranthene	ND	-	0.25	-	-	-	-
Fluorene	ND	-	0.25	-	-	-	-
Hexachlorobenzene	ND	-	0.25	-	-	-	-
Hexachlorobutadiene	ND	-	0.25	-	-	-	-
Hexachlorocyclopentadiene	ND	-	1.3	-	-	-	-
Hexachloroethane	ND	-	0.25	-	-	-	-
Indeno (1,2,3-cd) pyrene	ND	-	0.25	-	-	-	-
Isophorone	ND	-	0.25	-	-	-	-
2-Methylnaphthalene	ND	-	0.25	-	-	-	-
2-Methylphenol (o-Cresol)	ND	-	0.25	-	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	-	0.25	-	-	-	-
Naphthalene	ND	-	0.25	-	-	-	-
2-Nitroaniline	ND	-	1.3	-	-	-	-
3-Nitroaniline	ND	-	1.3	-	-	-	-
4-Nitroaniline	ND	-	1.3	-	-	-	-
Nitrobenzene	ND	-	0.25	-	-	-	-
2-Nitrophenol	ND	-	1.3	-	-	-	-
4-Nitrophenol	ND	2.99	1.3	5	-	60	30-130
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	3.50	0.25	5	-	70	30-130
Pentachlorophenol	ND	3.09	1.3	5	-	62	30-130
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	3.46	0.25	5	-	69	30-130
Pyrene	ND	3.66	0.25	5	-	73	30-130
1,2,4-Trichlorobenzene	ND	3.66	0.25	5	-	73	30-130
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-

(Cont.)



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/28/15
Date Analyzed: 11/30/15
Instrument: GC21
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
BatchID: 113481
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-113481
1511B24-006AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
2-Fluorophenol	4.93	3.83		5	99	77	30-130
Phenol-d5	4.54	3.59		5	91	72	30-130
Nitrobenzene-d5	4.23	3.60		5	85	72	30-130
2-Fluorobiphenyl	3.71	3.18		5	74	64	30-130
2,4,6-Tribromophenol	3.35	2.80		5	67	56	16-130
4-Terphenyl-d14	4.24	3.50		5	85	70	30-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	NR	NR		ND<40	NR	NR	-	NR	
4-Chloro-3-methylphenol	NR	NR		ND<40	NR	NR	-	NR	
2-Chlorophenol	NR	NR		ND<40	NR	NR	-	NR	
1,4-Dichlorobenzene	NR	NR		ND<40	NR	NR	-	NR	
2,4-Dinitrotoluene	NR	NR		ND<40	NR	NR	-	NR	
4-Nitrophenol	NR	NR		ND<210	NR	NR	-	NR	
N-Nitrosodi-n-propylamine	NR	NR		ND<40	NR	NR	-	NR	
Pentachlorophenol	NR	NR		ND<210	NR	NR	-	NR	
Phenol	NR	NR		ND<40	NR	NR	-	NR	
Pyrene	NR	NR		ND<40	NR	NR	-	NR	
1,2,4-Trichlorobenzene	NR	NR		ND<40	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorophenol	NR	NR			NR	NR	-	NR	
Phenol-d5	NR	NR			NR	NR	-	NR	
Nitrobenzene-d5	NR	NR			NR	NR	-	NR	
2-Fluorobiphenyl	NR	NR			NR	NR	-	NR	
2,4,6-Tribromophenol	NR	NR			NR	NR	-	NR	
4-Terphenyl-d14	NR	NR			NR	NR	-	NR	



Quality Control Report

Client: P & D Environmental

Date Prepared: 11/25/15

Date Analyzed: 11/30/15

Instrument: ICP-MS2

Matrix: Soil

Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05

BatchID: 113446

Extraction Method: SW3050B

Analytical Method: SW6020

Unit: mg/Kg

Sample ID: MB/LCS-113446
1511A83-010AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Antimony	ND	52.1	0.50	50	-	104	75-125
Arsenic	ND	51.2	0.50	50	-	102	75-125
Barium	ND	523	5.0	500	-	105	75-125
Beryllium	ND	51.2	0.50	50	-	102	75-125
Cadmium	ND	51.4	0.25	50	-	103	75-125
Chromium	ND	50.6	0.50	50	-	101	75-125
Cobalt	ND	51.3	0.50	50	-	103	75-125
Copper	ND	52.1	0.50	50	-	104	75-125
Lead	ND	51.5	0.50	50	-	103	75-125
Mercury	ND	1.37	0.050	1.25	-	110	75-125
Molybdenum	ND	48.9	0.50	50	-	98	75-125
Nickel	ND	51.6	0.50	50	-	103	75-125
Selenium	ND	51.0	0.50	50	-	102	75-125
Silver	ND	51.8	0.50	50	-	104	75-125
Thallium	ND	47.5	0.50	50	-	95	75-125
Vanadium	ND	50.6	0.50	50	-	101	75-125
Zinc	ND	512	5.0	500	-	102	75-125
Surrogate Recovery							
Terbium	503	536		500	101	107	70-130



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/25/15
Date Analyzed: 11/30/15
Instrument: ICP-MS2
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
BatchID: 113446
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-113446
 1511A83-010AMS/MSD

QC Summary Report for Metals

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	48.3	46.1	50	ND	96	92	75-125	4.68	20
Arsenic	54.5	48.8	50	5.148	99	87	75-125	11.0	20
Barium	600	582	500	86.40	103	99	75-125	3.11	20
Beryllium	49.8	46.1	50	ND	99	91	75-125	7.80	20
Cadmium	49.0	46.3	50	0.3910	97	92	75-125	5.54	20
Chromium	85.5	79.6	50	27.90	115	103	75-125	7.16	20
Cobalt	49.4	47.8	50	5.391	88	85	75-125	3.13	20
Copper	58.7	54.6	50	9.572	98	90	75-125	7.29	20
Lead	57.4	54.2	50	5.991	103	96	75-125	5.84	20
Mercury	1.38	1.30	1.25	ND	109	103	75-125	5.38	20
Molybdenum	46.9	44.3	50	0.7008	92	87	75-125	5.77	20
Nickel	69.6	61.5	50	16.57	106	90	75-125	12.3	20
Selenium	48.1	45.7	50	ND	96	91	75-125	5.29	20
Silver	49.3	46.2	50	ND	99	92	75-125	6.30	20
Thallium	47.0	44.8	50	ND	94	89	75-125	4.68	20
Vanadium	102	94.8	50	41.24	122	107	75-125	7.73	20
Zinc	536	502	500	41.70	99	92	75-125	6.47	20
Surrogate Recovery									
Terblum	506	472	500		101	94	70-130	6.85	20



Quality Control Report

Client:	P & D Environmental	WorkOrder:	1511B05
Date Prepared:	11/25/15	BatchID:	113423
Date Analyzed:	11/25/15 - 12/1/15	Extraction Method:	SW5030B
Instrument:	GC7	Analytical Method:	SW8021B/8015Bm
Matrix:	Soil	Unit:	mg/Kg
Project:	0735; 3900 Adeline St. Emeryville	Sample ID:	MB/LCS-113423 1511A66-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.518	0.40	0.60	-	86	70-130
MTBE	ND	0.0934	0.050	0.10	-	93	70-130
Benzene	ND	0.0953	0.0050	0.10	-	95	70-130
Toluene	ND	0.0926	0.0050	0.10	-	93	70-130
Ethylbenzene	ND	0.0967	0.0050	0.10	-	97	70-130
Xylenes	ND	0.308	0.015	0.30	-	103	70-130

Surrogate Recovery

2-Fluorotoluene	0.129	0.116		0.10	129	116	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.527	0.521	0.60	ND	88	87	70-130	1.14	20
MTBE	0.0692	0.0719	0.10	ND	69,F1	72	70-130	3.82	20
Benzene	0.0942	0.102	0.10	ND	94	102	70-130	8.40	20
Toluene	0.0963	0.104	0.10	ND	96	105	70-130	8.15	20
Ethylbenzene	0.101	0.109	0.10	ND	101	109	70-130	7.78	20
Xylenes	0.320	0.345	0.30	ND	107	115	70-130	7.49	20

Surrogate Recovery

2-Fluorotoluene	0.114	0.122	0.10		114	122	70-130	7.06	20
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Quality Control Report

Client: P & D Environmental
Date Prepared: 11/25/15
Date Analyzed: 11/27/15 - 11/30/15
Instrument: GC6B, GC9b
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B05
BatchID: 113452
Extraction Method: SW3550B
Analytical Method: SW8015B
Unit: mg/Kg
Sample ID: MB/LCS-113452
 1511A92-003AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	39.4	1.0	40	-	98	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	26.5	26.0		25	106	104	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	NR	NR	40	3966	NR	NR	70-130	NR	30
Surrogate Recovery									
C9	27.5	26.4	25		110	106	70-130	3.90	30



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

WorkOrder: 1511B05

ClientCode: PDEO

WaterTrax
 WriteOn
 EDF
 Excel
 EQulS
 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

Bill to:

Email: lab@pdenviro.com; Paul.King@pdenviro.c
cc/3rd Party:
PO:
ProjectNo: 0735; 3900 Adeline St. Emeryville

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

Requested TAT: 5 days;

Date Received: 11/25/2015

Date Logged: 11/25/2015

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
1511B05-001	T1-9.0	Soil	11/25/2015	<input type="checkbox"/>	A	A	A	A	A							

Test Legend:

1	8260B_S
5	TPH(DMO)_S
9	

2	8270_S
6	
10	

3	CAM17MS_TTLC_S
7	
11	

4	G-MBTEX_S
8	
12	

The following SampID: 001A contains testgroup.

Prepared by: Agustina Venegas

Comments: Always send reports to: lab@pdenviro.com; Paul.King@pdenviro.com; pdking0000@aol.com

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.



WORK ORDER SUMMARY

Client Name: P & D ENVIRONMENTAL

QC Level: LEVEL 2

Work Order: 1511B05

Project: 0735; 3900 Adeline St. Emeryville

Client Contact: Paul King

Date Logged: 11/25/2015

Comments: Always send reports to: lab@pdenviro.com;
 Paul.King@pdenviro.com; pdking0000@aol.com

Contact's Email: lab@pdenviro.com; Paul.King@pdenviro.com;
 pdking0000@aol.com

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Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold SubOut
1511B05-001A	T1-9.0	Soil	Multi-Range TPH(g,d,mo)	1	Stainless Steel tube 2"x6"	<input type="checkbox"/>	11/25/2015	5 days		<input type="checkbox"/>
			SW6020 (CAM 17)			<input type="checkbox"/>		5 days		<input type="checkbox"/>
			SW8270C (SVOCs)			<input type="checkbox"/>		5 days		<input type="checkbox"/>
			SW8260B (VOCs)			<input type="checkbox"/>		5 days		<input type="checkbox"/>

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).
 - MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

CHAIN OF CUSTODY RECORD 1511B05

P&D ENVIRONMENTAL, INC. 55 Santa Clara Ave., Suite 240 Oakland, CA 94610 (510) 658-6916					NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-C ₂ D, MO EPA 8260 EPA 8270 EPA 8082 CAM 17 Metals PRESERVATIVE					REMARKS								
PROJECT NUMBER: <div style="font-size: 24pt; font-weight: bold;">0735</div>		PROJECT NAME: 3900 Adeline St, Emeryville										SAMPLED BY: (PRINTED & SIGNATURE) Paul H. King <i>Paul H. King</i>							
SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION								1	X	X	X	X	X	X	X
T1-9.0	11/25/15		Soil	2 FT Below Bottom of UST #1	1	X	X	X	X	X									ECE Normal Turn Around
					ICE # 13					APPROPRIATE HEAD SPACE/ABSENT _____ CONTAINERS _____ DECHLORINATED IN LAB _____ PRESERVED IN LAB _____ PRESERVATION _____ VOAS _____ METALS _____ OTHER _____									
RELINQUISHED BY: (SIGNATURE) <i>Paul H. King</i>		DATE 11/25/15	TIME 1447	RECEIVED BY: (SIGNATURE) <i>Joseph Brooks</i>		Total No. of Samples (This Shipment) 1		LABORATORY: McCampbell Analytical											
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		LABORATORY CONTACT: Angela Rydelius		LABORATORY PHONE NUMBER: (925) 252-9262											
RELINQUISHED BY: (SIGNATURE) <i>Joseph Brooks</i>		DATE 11/25/15	TIME 1718	RECEIVED FOR LABORATORY BY: (SIGNATURE) <i>[Signature]</i>		SAMPLE ANALYSIS REQUEST SHEET ATTACHED: () YES (X) NO													
Results and billing to: P&D Environmental, Inc. lab@pdenviro.com				REMARKS:															



Sample Receipt Checklist

Client Name: **P & D Environmental**
 Project Name: **0735; 3900 Adeline St. Emeryville**
 WorkOrder No: **1511B05** Matrix: Soil
 Carrier: Client Drop-In

Date and Time Received: **11/25/2015 17:18**
 Date Logged: **11/25/2015**
 Received by: **Jena Alfaro**
 Logged by: **Agustina Venegas**

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample/Temp Blank temperature	Temp: 13°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

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

Comments:



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1511716

Report Created for: P & D Environmental

55 Santa Clara, Ste.240
Oakland, CA 94610

Project Contact: Michael Deschenes

Project P.O.:

Project Name: 0735; 3900 Adeline St. Oakland, CA

Project Received: 11/17/2015

Analytical Report reviewed & approved for release on 11/19/2015 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.



1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mcccampbell.com
NELAP: 4033ORELAP ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3



Glossary of Terms & Qualifier Definitions

Client: P & D Environmental
Project: 0735; 3900 Adeline St. Oakland, CA
WorkOrder: 1511716

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: P & D Environmental
Project: 0735; 3900 Adeline St. Oakland, CA
WorkOrder: 1511716

Analytical Qualifiers

S spike recovery outside accepted recovery limits
a3 sample diluted due to high organic content.
c7 Surrogate value diluted out of range
d7 strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e1 unmodified or weakly modified diesel is significant

Quality Control Qualifiers

F1 MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validated the prep batch.
F8 MS/MSD recovery and/or RPD was out of acceptance criteria; PDS validated the prep batch. If PDS recovery was out of acceptance criteria, DLT validated the prep batch.



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/17/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW3550B
Analytical Method: SW8081A/8082
Unit: mg/kg

Organochlorine Pesticides (Basic Target List) + PCBs

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	GC22	113023
Analytes	Result	RL	DE	Date Analyzed	
Aldrin	ND	0.010	10	11/18/2015 14:02	
a-BHC	ND	0.010	10	11/18/2015 14:02	
b-BHC	ND	0.010	10	11/18/2015 14:02	
d-BHC	ND	0.010	10	11/18/2015 14:02	
g-BHC	ND	0.010	10	11/18/2015 14:02	
Chlordane (Technical)	ND	0.25	10	11/18/2015 14:02	
a-Chlordane	ND	0.010	10	11/18/2015 14:02	
g-Chlordane	ND	0.010	10	11/18/2015 14:02	
p,p-DDD	ND	0.010	10	11/18/2015 14:02	
p,p-DDE	ND	0.010	10	11/18/2015 14:02	
p,p-DDT	ND	0.010	10	11/18/2015 14:02	
Dieldrin	ND	0.010	10	11/18/2015 14:02	
Endosulfan I	ND	0.010	10	11/18/2015 14:02	
Endosulfan II	ND	0.010	10	11/18/2015 14:02	
Endosulfan sulfate	ND	0.010	10	11/18/2015 14:02	
Endrin	ND	0.010	10	11/18/2015 14:02	
Endrin aldehyde	ND	0.010	10	11/18/2015 14:02	
Endrin ketone	ND	0.010	10	11/18/2015 14:02	
Heptachlor	ND	0.010	10	11/18/2015 14:02	
Heptachlor epoxide	ND	0.010	10	11/18/2015 14:02	
Hexachlorobenzene	ND	0.10	10	11/18/2015 14:02	
Hexachlorocyclopentadiene	ND	0.20	10	11/18/2015 14:02	
Methoxychlor	ND	0.010	10	11/18/2015 14:02	
Toxaphene	ND	0.50	10	11/18/2015 14:02	
Aroclor1016	ND	0.50	10	11/18/2015 14:02	
Aroclor1221	ND	0.50	10	11/18/2015 14:02	
Aroclor1232	ND	0.50	10	11/18/2015 14:02	
Aroclor1242	ND	0.50	10	11/18/2015 14:02	
Aroclor1248	ND	0.50	10	11/18/2015 14:02	
Aroclor1254	ND	0.50	10	11/18/2015 14:02	
Aroclor1260	ND	0.50	10	11/18/2015 14:02	
PCBs, total	ND	0.50	10	11/18/2015 14:02	
Surrogates	REC (%)	Limits		Date Analyzed	
Decachlorobiphenyl	117	70-130		11/18/2015 14:02	
Analyst(s): CK		Analytical Comments: a3			



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/17/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	GC10	113015
Analytes	Result	RL	DF	Date Analyzed	
Acetone	ND	2.0	20	11/18/2015 03:30	
tert-Amyl methyl ether (TAME)	ND	0.10	20	11/18/2015 03:30	
Benzene	ND	0.10	20	11/18/2015 03:30	
Bromobenzene	ND	0.10	20	11/18/2015 03:30	
Bromochloromethane	ND	0.10	20	11/18/2015 03:30	
Bromodichloromethane	ND	0.10	20	11/18/2015 03:30	
Bromoform	ND	0.10	20	11/18/2015 03:30	
Bromomethane	ND	0.10	20	11/18/2015 03:30	
2-Butanone (MEK)	ND	0.40	20	11/18/2015 03:30	
t-Butyl alcohol (TBA)	ND	1.0	20	11/18/2015 03:30	
n-Butyl benzene	ND	0.10	20	11/18/2015 03:30	
sec-Butyl benzene	ND	0.10	20	11/18/2015 03:30	
tert-Butyl benzene	ND	0.10	20	11/18/2015 03:30	
Carbon Disulfide	ND	0.10	20	11/18/2015 03:30	
Carbon Tetrachloride	ND	0.10	20	11/18/2015 03:30	
Chlorobenzene	ND	0.10	20	11/18/2015 03:30	
Chloroethane	ND	0.10	20	11/18/2015 03:30	
Chloroform	ND	0.10	20	11/18/2015 03:30	
Chloromethane	ND	0.10	20	11/18/2015 03:30	
2-Chlorotoluene	ND	0.10	20	11/18/2015 03:30	
4-Chlorotoluene	ND	0.10	20	11/18/2015 03:30	
Dibromochloromethane	ND	0.10	20	11/18/2015 03:30	
1,2-Dibromo-3-chloropropane	ND	0.080	20	11/18/2015 03:30	
1,2-Dibromoethane (EDB)	ND	0.080	20	11/18/2015 03:30	
Dibromomethane	ND	0.10	20	11/18/2015 03:30	
1,2-Dichlorobenzene	ND	0.10	20	11/18/2015 03:30	
1,3-Dichlorobenzene	ND	0.10	20	11/18/2015 03:30	
1,4-Dichlorobenzene	ND	0.10	20	11/18/2015 03:30	
Dichlorodifluoromethane	ND	0.10	20	11/18/2015 03:30	
1,1-Dichloroethane	ND	0.10	20	11/18/2015 03:30	
1,2-Dichloroethane (1,2-DCA)	ND	0.080	20	11/18/2015 03:30	
1,1-Dichloroethene	ND	0.10	20	11/18/2015 03:30	
cis-1,2-Dichloroethene	ND	0.10	20	11/18/2015 03:30	
trans-1,2-Dichloroethene	ND	0.10	20	11/18/2015 03:30	
1,2-Dichloropropane	ND	0.10	20	11/18/2015 03:30	
1,3-Dichloropropane	ND	0.10	20	11/18/2015 03:30	
2,2-Dichloropropane	ND	0.10	20	11/18/2015 03:30	

(Cont.)



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/17/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	GC10	113015
Analytes	Result	RL	DF	Date Analyzed	
1,1-Dichloropropene	ND	0.10	20	11/18/2015 03:30	
cis-1,3-Dichloropropene	ND	0.10	20	11/18/2015 03:30	
trans-1,3-Dichloropropene	ND	0.10	20	11/18/2015 03:30	
Diisopropyl ether (DIPE)	ND	0.10	20	11/18/2015 03:30	
Ethylbenzene	ND	0.10	20	11/18/2015 03:30	
Ethyl tert-butyl ether (ETBE)	ND	0.10	20	11/18/2015 03:30	
Freon 113	ND	0.10	20	11/18/2015 03:30	
Hexachlorobutadiene	ND	0.10	20	11/18/2015 03:30	
Hexachloroethane	ND	0.10	20	11/18/2015 03:30	
2-Hexanone	ND	0.10	20	11/18/2015 03:30	
Isopropylbenzene	ND	0.10	20	11/18/2015 03:30	
4-Isopropyl toluene	ND	0.10	20	11/18/2015 03:30	
Methyl-t-butyl ether (MTBE)	ND	0.10	20	11/18/2015 03:30	
Methylene chloride	ND	0.10	20	11/18/2015 03:30	
4-Methyl-2-pentanone (MIBK)	ND	0.10	20	11/18/2015 03:30	
Naphthalene	0.68	0.10	20	11/18/2015 03:30	
n-Propyl benzene	ND	0.10	20	11/18/2015 03:30	
Styrene	ND	0.10	20	11/18/2015 03:30	
1,1,1,2-Tetrachloroethane	ND	0.10	20	11/18/2015 03:30	
1,1,2,2-Tetrachloroethane	ND	0.10	20	11/18/2015 03:30	
Tetrachloroethene	ND	0.10	20	11/18/2015 03:30	
Toluene	ND	0.10	20	11/18/2015 03:30	
1,2,3-Trichlorobenzene	ND	0.10	20	11/18/2015 03:30	
1,2,4-Trichlorobenzene	ND	0.10	20	11/18/2015 03:30	
1,1,1-Trichloroethane	ND	0.10	20	11/18/2015 03:30	
1,1,2-Trichloroethane	ND	0.10	20	11/18/2015 03:30	
Trichloroethene	ND	0.10	20	11/18/2015 03:30	
Trichlorofluoromethane	ND	0.10	20	11/18/2015 03:30	
1,2,3-Trichloropropane	ND	0.10	20	11/18/2015 03:30	
1,2,4-Trimethylbenzene	0.30	0.10	20	11/18/2015 03:30	
1,3,5-Trimethylbenzene	ND	0.10	20	11/18/2015 03:30	
Vinyl Chloride	ND	0.10	20	11/18/2015 03:30	
Xylenes, Total	ND	0.10	20	11/18/2015 03:30	

(Cont.)



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/17/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	GC10	113015

Analytes	Result	RL	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>	<u>Qualifiers</u>	<u>Limits</u>	
Dibromofluoromethane	101		70-130	11/18/2015 03:30
Toluene-d8	96		70-130	11/18/2015 03:30
4-BFB	60	S	70-130	11/18/2015 03:30
Benzene-d6	73		60-140	11/18/2015 03:30
Ethylbenzene-d10	51	S	60-140	11/18/2015 03:30
1,2-DCB-d4	92		60-140	11/18/2015 03:30

Analyst(s): KF

Analytical Comments: c7



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/18/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	GC21	113105
Analytes	Result	RL	DF	Date Analyzed	
Acenaphthene	ND	0.50	2	11/18/2015 17:13	
Acenaphthylene	ND	0.50	2	11/18/2015 17:13	
Acetochlor	ND	0.50	2	11/18/2015 17:13	
Anthracene	ND	0.50	2	11/18/2015 17:13	
Benzidine	ND	2.6	2	11/18/2015 17:13	
Benzo (a) anthracene	ND	0.50	2	11/18/2015 17:13	
Benzo (a) pyrene	ND	0.50	2	11/18/2015 17:13	
Benzo (b) fluoranthene	ND	0.50	2	11/18/2015 17:13	
Benzo (g,h,i) perylene	ND	0.50	2	11/18/2015 17:13	
Benzo (k) fluoranthene	ND	0.50	2	11/18/2015 17:13	
Benzyl Alcohol	ND	2.6	2	11/18/2015 17:13	
1,1-Biphenyl	ND	0.60	2	11/18/2015 17:13	
Bis (2-chloroethoxy) Methane	ND	0.50	2	11/18/2015 17:13	
Bis (2-chloroethyl) Ether	ND	0.50	2	11/18/2015 17:13	
Bis (2-chloroisopropyl) Ether	ND	0.50	2	11/18/2015 17:13	
Bis (2-ethylhexyl) Adipate	ND	0.50	2	11/18/2015 17:13	
Bis (2-ethylhexyl) Phthalate	ND	0.50	2	11/18/2015 17:13	
4-Bromophenyl Phenyl Ether	ND	0.50	2	11/18/2015 17:13	
Butylbenzyl Phthalate	ND	0.50	2	11/18/2015 17:13	
4-Chloroaniline	ND	1.0	2	11/18/2015 17:13	
4-Chloro-3-methylphenol	ND	0.50	2	11/18/2015 17:13	
2-Chloronaphthalene	ND	0.50	2	11/18/2015 17:13	
2-Chlorophenol	ND	0.50	2	11/18/2015 17:13	
4-Chlorophenyl Phenyl Ether	ND	0.50	2	11/18/2015 17:13	
Chrysene	ND	0.50	2	11/18/2015 17:13	
Dibenzo (a,h) anthracene	ND	0.50	2	11/18/2015 17:13	
Dibenzofuran	ND	0.50	2	11/18/2015 17:13	
Di-n-butyl Phthalate	ND	0.50	2	11/18/2015 17:13	
1,2-Dichlorobenzene	ND	0.50	2	11/18/2015 17:13	
1,3-Dichlorobenzene	ND	0.50	2	11/18/2015 17:13	
1,4-Dichlorobenzene	ND	0.50	2	11/18/2015 17:13	
3,3-Dichlorobenzidine	ND	1.0	2	11/18/2015 17:13	
2,4-Dichlorophenol	ND	0.50	2	11/18/2015 17:13	
Diethyl Phthalate	ND	0.50	2	11/18/2015 17:13	
2,4-Dimethylphenol	ND	0.50	2	11/18/2015 17:13	
Dimethyl Phthalate	ND	0.50	2	11/18/2015 17:13	
4,6-Dinitro-2-methylphenol	ND	2.6	2	11/18/2015 17:13	

(Cont.)



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/18/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	GC21	113105
Analytes	Result	RL	DF	Date Analyzed	
2,4-Dinitrophenol	ND	13	2	11/18/2015 17:13	
2,4-Dinitrotoluene	ND	0.50	2	11/18/2015 17:13	
2,6-Dinitrotoluene	ND	0.50	2	11/18/2015 17:13	
Di-n-octyl Phthalate	ND	1.0	2	11/18/2015 17:13	
1,2-Diphenylhydrazine	ND	0.50	2	11/18/2015 17:13	
Fluoranthene	ND	0.50	2	11/18/2015 17:13	
Fluorene	ND	0.50	2	11/18/2015 17:13	
Hexachlorobenzene	ND	0.50	2	11/18/2015 17:13	
Hexachlorobutadiene	ND	0.50	2	11/18/2015 17:13	
Hexachlorocyclopentadiene	ND	2.6	2	11/18/2015 17:13	
Hexachloroethane	ND	0.50	2	11/18/2015 17:13	
Indeno (1,2,3-cd) pyrene	ND	0.50	2	11/18/2015 17:13	
Isophorone	ND	0.50	2	11/18/2015 17:13	
2-Methylnaphthalene	8.3	0.50	2	11/18/2015 17:13	
2-Methylphenol (o-Cresol)	ND	0.50	2	11/18/2015 17:13	
3 & 4-Methylphenol (m,p-Cresol)	ND	0.50	2	11/18/2015 17:13	
Naphthalene	1.4	0.50	2	11/18/2015 17:13	
2-Nitroaniline	ND	2.6	2	11/18/2015 17:13	
3-Nitroaniline	ND	2.6	2	11/18/2015 17:13	
4-Nitroaniline	ND	2.6	2	11/18/2015 17:13	
Nitrobenzene	ND	0.50	2	11/18/2015 17:13	
2-Nitrophenol	ND	2.6	2	11/18/2015 17:13	
4-Nitrophenol	ND	2.6	2	11/18/2015 17:13	
N-Nitrosodiphenylamine	ND	0.50	2	11/18/2015 17:13	
N-Nitrosodi-n-propylamine	ND	0.50	2	11/18/2015 17:13	
Pentachlorophenol	ND	2.6	2	11/18/2015 17:13	
Phenanthrene	1.7	0.50	2	11/18/2015 17:13	
Phenol	ND	0.50	2	11/18/2015 17:13	
Pyrene	ND	0.50	2	11/18/2015 17:13	
1,2,4-Trichlorobenzene	ND	0.50	2	11/18/2015 17:13	
2,4,5-Trichlorophenol	ND	0.50	2	11/18/2015 17:13	
2,4,6-Trichlorophenol	ND	0.50	2	11/18/2015 17:13	

(Cont.)



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/18/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	GC21	113105

Analytes	Result	RL	DE	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorophenol	90	30-130		11/18/2015 17:13
Phenol-d5	83	30-130		11/18/2015 17:13
Nitrobenzene-d5	79	30-130		11/18/2015 17:13
2-Fluorobiphenyl	75	30-130		11/18/2015 17:13
2,4,6-Tribromophenol	58	16-130		11/18/2015 17:13
4-Terphenyl-d14	69	30-130		11/18/2015 17:13

Analyst(s): HK



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/17/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	ICP-MS2	113031
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Antimony	ND		0.50	1	11/18/2015 12:30
Arsenic	5.4		0.50	1	11/18/2015 12:30
Barium	160		5.0	1	11/18/2015 12:30
Beryllium	ND		0.50	1	11/18/2015 12:30
Cadmium	ND		0.25	1	11/18/2015 12:30
Chromium	46		0.50	1	11/18/2015 12:30
Cobalt	6.4		0.50	1	11/18/2015 12:30
Copper	19		0.50	1	11/18/2015 12:30
Lead	10		0.50	1	11/18/2015 12:30
Mercury	0.088		0.050	1	11/18/2015 12:30
Molybdenum	ND		1.0	1	11/18/2015 12:30
Nickel	35		0.50	1	11/18/2015 12:30
Selenium	ND		0.50	1	11/18/2015 12:30
Silver	ND		0.50	1	11/18/2015 12:30
Thallium	ND		0.50	1	11/18/2015 12:30
Vanadium	51		0.50	1	11/18/2015 12:30
Zinc	77		5.0	1	11/18/2015 12:30
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	91		70-130		11/18/2015 12:30
Analyst(s): AC					



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/19/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: mg/Kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	GC19	113161
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
TPH(g)	40		1.0	1	11/19/2015 15:18
MTBE	---		0.050	1	11/19/2015 15:18
Benzene	---		0.0050	1	11/19/2015 15:18
Toluene	---		0.0050	1	11/19/2015 15:18
Ethylbenzene	---		0.0050	1	11/19/2015 15:18
Xylenes	---		0.015	1	11/19/2015 15:18
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
2-Fluorotoluene	84		70-130		11/19/2015 15:18
<u>Analyst(s):</u> IA		<u>Analytical Comments:</u> d7			



Analytical Report

Client: P & D Environmental
Date Received: 11/17/15 15:37
Date Prepared: 11/17/15
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
Extraction Method: SW3550B
Analytical Method: SW8015B
Unit: mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 1	1511716-001A	Soil	11/17/2015 10:30	GC9b	113012
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	560		1.0	1	11/17/2015 23:53
TPH-Motor Oil (C18-C36)	210		5.0	1	11/17/2015 23:53
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	103		70-130		11/17/2015 23:53
<u>Analyst(s):</u> TK			<u>Analytical Comments:</u> e1		



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/17/15
Date Analyzed: 11/17/15
Instrument: GC22
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113023
Extraction Method: SW3550B
Analytical Method: SW8081A/8082
Unit: mg/kg
Sample ID: MB/LCS-113023
 1511690-008AMS/MSD

QC Summary Report for SW8081A/8082

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Aldrin	ND	0.0411	0.0010	0.050	-	82	70-130
a-BHC	ND	-	0.0010	-	-	-	-
b-BHC	ND	-	0.0010	-	-	-	-
d-BHC	ND	-	0.0010	-	-	-	-
g-BHC	ND	0.0452	0.0010	0.050	-	90	70-130
Chlordane (Technical)	ND	-	0.025	-	-	-	-
a-Chlordane	ND	-	0.0010	-	-	-	-
g-Chlordane	ND	-	0.0010	-	-	-	-
p,p-DDD	ND	-	0.0010	-	-	-	-
p,p-DDE	ND	-	0.0010	-	-	-	-
p,p-DDT	ND	0.0413	0.0010	0.050	-	83	70-130
Dieldrin	ND	0.0488	0.0010	0.050	-	98	70-130
Endosulfan I	ND	-	0.0010	-	-	-	-
Endosulfan II	ND	-	0.0010	-	-	-	-
Endosulfan sulfate	ND	-	0.0010	-	-	-	-
Endrin	ND	0.0452	0.0010	0.050	-	90	70-130
Endrin aldehyde	ND	-	0.0010	-	-	-	-
Endrin ketone	ND	-	0.0010	-	-	-	-
Heptachlor	ND	0.0447	0.0010	0.050	-	89	70-130
Heptachlor epoxide	ND	-	0.0010	-	-	-	-
Hexachlorobenzene	ND	-	0.010	-	-	-	-
Hexachlorocyclopentadiene	ND	-	0.020	-	-	-	-
Methoxychlor	ND	-	0.0010	-	-	-	-
Toxaphene	ND	-	0.050	-	-	-	-
Aroclor1016	ND	-	0.050	-	-	-	-
Aroclor1221	ND	-	0.050	-	-	-	-
Aroclor1232	ND	-	0.050	-	-	-	-
Aroclor1242	ND	-	0.050	-	-	-	-
Aroclor1248	ND	-	0.050	-	-	-	-
Aroclor1254	ND	-	0.050	-	-	-	-
Aroclor1260	ND	-	0.050	-	-	-	-
PCBs, total	ND	-	0.050	-	-	-	-
Surrogate Recovery							
Decachlorobiphenyl	0.0508	0.0489		0.050	102	98	70-130

(Cont.)



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/17/15
Date Analyzed: 11/17/15
Instrument: GC22
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113023
Extraction Method: SW3550B
Analytical Method: SW8081A/8082
Unit: mg/kg
Sample ID: MB/LCS-113023
1511690-008AMS/MSD

QC Summary Report for SW8081A/8082

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aldrin	0.0413	0.0420	0.050	ND	83	84	70-130	1.70	30
g-BHC	0.0463	0.0468	0.050	ND	93	94	70-130	1.00	30
p,p-DDT	0.0432	0.0433	0.050	ND	86	87	70-130	0.265	30
Dieldrin	0.0498	0.0501	0.050	ND	100	100	70-130	0	30
Endrin	0.0471	0.0474	0.050	ND	94	95	70-130	0.466	30
Heptachlor	0.0465	0.0473	0.050	ND	93	95	70-130	1.82	30
Surrogate Recovery									
Decachlorobiphenyl	0.0524	0.0496	0.050		105	99	70-130	5.35	30



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/16/15
Date Analyzed: 11/17/15
Instrument: GC16
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113015
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/Kg
Sample ID: MB/LCS-113015
 1511688-016AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0369	0.0050	0.050	-	74	53-116
Benzene	ND	0.0451	0.0050	0.050	-	90	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.157	0.050	0.20	-	79	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0417	0.0050	0.050	-	83	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0399	0.0040	0.050	-	80	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0402	0.0040	0.050	-	80	58-135
1,1-Dichloroethene	ND	0.0433	0.0050	0.050	-	87	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-

(Cont.)



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/16/15
Date Analyzed: 11/17/15
Instrument: GC16
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113015
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/Kg
Sample ID: MB/LCS-113015
1511688-016AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0422	0.0050	0.050	-	84	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0397	0.0050	0.050	-	79	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0391	0.0050	0.050	-	78	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0458	0.0050	0.050	-	92	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0443	0.0050	0.050	-	89	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

(Cont.)

QA/QC Officer



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/16/15
Date Analyzed: 11/17/15
Instrument: GC16
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113015
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/Kg
Sample ID: MB/LCS-113015
 1511688-016AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.113	0.116		0.12	91	93	70-130
Toluene-d8	0.121	0.117		0.12	96	93	70-130
4-BFB	0.0109	0.0112		0.012	87	90	70-130
Benzene-d6	0.0819	0.0803		0.10	82	80	60-140
Ethylbenzene-d10	0.0886	0.0860		0.10	89	86	60-140
1,2-DCB-d4	0.0678	0.0690		0.10	68	69	60-140

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.0323	0.0352	0.050	ND	65,F1	70	70-130	8.84	20
Benzene	0.0383	0.0405	0.050	ND	77	81	70-130	5.53	20
t-Butyl alcohol (TBA)	0.140	0.154	0.20	ND	70	77	70-130	9.22	20
Chlorobenzene	0.0356	0.0374	0.050	ND	71	75	70-130	4.91	20
1,2-Dibromoethane (EDB)	0.0335	0.0362	0.050	ND	67,F1	72	70-130	7.67	20
1,2-Dichloroethane (1,2-DCA)	0.0345	0.0374	0.050	ND	69,F1	75	70-130	7.89	20
1,1-Dichloroethene	0.0363	0.0378	0.050	ND	73	76	70-130	4.18	20
Diisopropyl ether (DIPE)	0.0366	0.0391	0.050	ND	73	78	70-130	6.53	20
Ethyl tert-butyl ether (ETBE)	0.0349	0.0377	0.050	ND	70	75	70-130	7.70	20
Methyl-t-butyl ether (MTBE)	0.0341	0.0372	0.050	ND	68,F1	74	70-130	8.64	20
Toluene	0.0374	0.0398	0.050	ND	75	80	70-130	6.15	20
Trichloroethene	0.0380	0.0397	0.050	ND	76	79	70-130	4.34	20
Surrogate Recovery									
Dibromofluoromethane	0.118	0.119	0.12		94	95	70-130	1.42	20
Toluene-d8	0.114	0.114	0.12		91	91	70-130	0	20
4-BFB	0.0108	0.0113	0.012		86	90	70-130	4.36	20
Benzene-d6	0.0705	0.0723	0.10		70	72	60-140	2.53	20
Ethylbenzene-d10	0.0753	0.0776	0.10		75	78	60-140	2.94	20
1,2-DCB-d4	0.0598	0.0622	0.10		60	62	60-140	4.07	20



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/18/15
Date Analyzed: 11/18/15
Instrument: GC17
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113105
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-113105
1511692-001AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	4.05	0.25	5	-	81	30-130
Acenaphthylene	ND	-	0.25	-	-	-	-
Acetochlor	ND	-	0.25	-	-	-	-
Anthracene	ND	-	0.25	-	-	-	-
Benzidine	ND	-	1.3	-	-	-	-
Benzo (a) anthracene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	ND	-	0.25	-	-	-	-
Benzo (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzyl Alcohol	ND	-	1.3	-	-	-	-
1,1-Biphenyl	ND	-	0.25	-	-	-	-
Bis (2-chloroethoxy) Methane	ND	-	0.25	-	-	-	-
Bis (2-chloroethyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-chloroisopropyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Adipate	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	-	0.25	-	-	-	-
4-Bromophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Butylbenzyl Phthalate	ND	-	0.25	-	-	-	-
4-Chloroaniline	ND	-	0.50	-	-	-	-
4-Chloro-3-methylphenol	ND	4.12	0.25	5	-	82	30-130
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	4.41	0.25	5	-	88	30-130
4-Chlorophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Chrysene	ND	-	0.25	-	-	-	-
Dibenzo (a,h) anthracene	ND	-	0.25	-	-	-	-
Dibenzofuran	ND	-	0.25	-	-	-	-
Di-n-butyl Phthalate	ND	-	0.25	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,4-Dichlorobenzene	ND	3.79	0.25	5	-	76	30-130
3,3-Dichlorobenzidine	ND	-	0.50	-	-	-	-
2,4-Dichlorophenol	ND	-	0.25	-	-	-	-
Diethyl Phthalate	ND	-	0.25	-	-	-	-
2,4-Dimethylphenol	ND	-	0.25	-	-	-	-
Dimethyl Phthalate	ND	-	0.25	-	-	-	-
4,6-Dinitro-2-methylphenol	ND	-	1.3	-	-	-	-

(Cont.)

QA/QC Officer



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/18/15
Date Analyzed: 11/18/15
Instrument: GC17
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113105
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-113105
1511692-001AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	3.88	0.25	5	-	78	30-130
2,6-Dinitrotoluene	ND	-	0.25	-	-	-	-
Di-n-octyl Phthalate	ND	-	0.50	-	-	-	-
1,2-Diphenylhydrazine	ND	-	0.25	-	-	-	-
Fluoranthene	ND	-	0.25	-	-	-	-
Fluorene	ND	-	0.25	-	-	-	-
Hexachlorobenzene	ND	-	0.25	-	-	-	-
Hexachlorobutadiene	ND	-	0.25	-	-	-	-
Hexachlorocyclopentadiene	ND	-	1.3	-	-	-	-
Hexachloroethane	ND	-	0.25	-	-	-	-
Indeno (1,2,3-cd) pyrene	ND	-	0.25	-	-	-	-
Isophorone	ND	-	0.25	-	-	-	-
2-Methylnaphthalene	ND	-	0.25	-	-	-	-
2-Methylphenol (o-Cresol)	ND	-	0.25	-	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	-	0.25	-	-	-	-
Naphthalene	ND	-	0.25	-	-	-	-
2-Nitroaniline	ND	-	1.3	-	-	-	-
3-Nitroaniline	ND	-	1.3	-	-	-	-
4-Nitroaniline	ND	-	1.3	-	-	-	-
Nitrobenzene	ND	-	0.25	-	-	-	-
2-Nitrophenol	ND	-	1.3	-	-	-	-
4-Nitrophenol	ND	4.10	1.3	5	-	82	30-130
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	4.07	0.25	5	-	81	30-130
Pentachlorophenol	ND	6.28	1.3	5	-	126	30-130
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	4.10	0.25	5	-	82	30-130
Pyrene	ND	4.16	0.25	5	-	83	30-130
1,2,4-Trichlorobenzene	ND	4.02	0.25	5	-	80	30-130
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-

(Cont.)



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/18/15
Date Analyzed: 11/18/15
Instrument: GC17
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113105
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-113105
1511692-001AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
2-Fluorophenol	5.02	4.42		5	100	88	30-130
Phenol-d5	4.86	4.35		5	97	87	30-130
Nitrobenzene-d5	4.30	4.05		5	86	81	30-130
2-Fluorobiphenyl	3.96	3.71		5	79	74	30-130
2,4,6-Tribromophenol	3.93	4.10		5	79	82	16-130
4-Terphenyl-d14	4.08	3.90		5	82	78	30-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	NR	NR		ND<2.5	NR	NR	-	NR	
4-Chloro-3-methylphenol	NR	NR		ND<2.5	NR	NR	-	NR	
2-Chlorophenol	NR	NR		ND<2.5	NR	NR	-	NR	
1,4-Dichlorobenzene	NR	NR		ND<2.5	NR	NR	-	NR	
2,4-Dinitrotoluene	NR	NR		ND<2.5	NR	NR	-	NR	
4-Nitrophenol	NR	NR		ND<13	NR	NR	-	NR	
N-Nitrosodi-n-propylamine	NR	NR		ND<2.5	NR	NR	-	NR	
Pentachlorophenol	NR	NR		ND<13	NR	NR	-	NR	
Phenol	NR	NR		ND<2.5	NR	NR	-	NR	
Pyrene	NR	NR		ND<2.5	NR	NR	-	NR	
1,2,4-Trichlorobenzene	NR	NR		ND<2.5	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorophenol	NR	NR			NR	NR	-	NR	
Phenol-d5	NR	NR			NR	NR	-	NR	
Nitrobenzene-d5	NR	NR			NR	NR	-	NR	
2-Fluorobiphenyl	NR	NR			NR	NR	-	NR	
2,4,6-Tribromophenol	NR	NR			NR	NR	-	NR	
4-Terphenyl-d14	NR	NR			NR	NR	-	NR	



Quality Control Report

Client:	P & D Environmental	WorkOrder:	1511716
Date Prepared:	11/17/15	BatchID:	113031
Date Analyzed:	11/17/15	Extraction Method:	SW3050B
Instrument:	ICP-MS2	Analytical Method:	SW6020
Matrix:	Soil	Unit:	mg/Kg
Project:	0735; 3900 Adeline St. Oakland, CA	Sample ID:	MB/LCS-113031 1511692-005AMS/MSD 1511692-005APDS

QC Summary Report for Metals

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Antimony	ND	48.1	0.50	50	-	96	75-125
Arsenic	ND	49.1	0.50	50	-	98	75-125
Barium	ND	507	5.0	500	-	101	75-125
Beryllium	ND	48.8	0.50	50	-	98	75-125
Cadmium	ND	49.5	0.25	50	-	99	75-125
Chromium	ND	51.8	0.50	50	-	104	75-125
Cobalt	ND	51.8	0.50	50	-	104	75-125
Copper	ND	51.9	0.50	50	-	104	75-125
Lead	ND	49.8	0.50	50	-	100	75-125
Mercury	ND	1.31	0.050	1.25	-	104	75-125
Molybdenum	ND	48.0	0.50	50	-	96	75-125
Nickel	ND	52.2	0.50	50	-	104	75-125
Selenium	ND	51.4	0.50	50	-	103	75-125
Silver	ND	48.0	0.50	50	-	96	75-125
Thallium	ND	47.2	0.50	50	-	94	75-125
Vanadium	ND	51.6	0.50	50	-	103	75-125
Zinc	ND	517	5.0	500	-	103	75-125
Surrogate Recovery							
Terbium	501	499		500	100	100	70-130

(Cont.)



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/17/15
Date Analyzed: 11/17/15
Instrument: ICP-MS2
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113031
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg
Sample ID: MB/LCS-113031
 1511692-005AMS/MSD
 1511692-005APDS

QC Summary Report for Metals

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Antimony	52.0	50.2	50	ND	103	100	75-125	3.62	20
Arsenic	56.4	54.8	50	4.503	104	101	75-125	2.88	20
Barium	609	582	500	51.09	112	106	75-125	4.47	20
Beryllium	53.7	52.0	50	ND	107	104	75-125	3.06	20
Cadmium	53.3	51.9	50	ND	106	104	75-125	2.64	20
Chromium	100	96.0	50	38.85	123	114	75-125	4.42	20
Cobalt	58.2	56.7	50	4.997	106	103	75-125	2.66	20
Copper	66.0	63.4	50	10.16	112	106	75-125	4.00	20
Lead	230	169	50	128.8	203,F8	80	75-125	30.9,F8	20
Mercury	1.69	1.62	1.25	0.3054	110	105	75-125	3.99	20
Molybdenum	51.0	49.6	50	ND	102	99	75-125	2.75	20
Nickel	85.4	83.5	50	26.40	118	114	75-125	2.30	20
Selenium	53.1	51.7	50	ND	106	103	75-125	2.64	20
Silver	50.7	49.4	50	ND	101	99	75-125	2.52	20
Thallium	49.6	48.4	50	ND	99	97	75-125	2.31	20
Vanadium	95.8	90.8	50	35.19	121	111	75-125	5.43	20
Zinc	876	631	500	187.8	138,F8	89	75-125	32.6,F8	20
Surrogate Recovery									
Terbium	535	524	500		107	105	70-130	2.10	20

Analyte	PDS Result	SPK Val	SPKRef Val	PDS %REC	PDS Limits
Lead	184	50	128.8	111	80-120
Zinc	720	500	187.8	106	80-120



Quality Control Report

Client:	P & D Environmental	WorkOrder:	1511716
Date Prepared:	11/19/15	BatchID:	113161
Date Analyzed:	11/19/15	Extraction Method:	SW5030B
Instrument:	GC19	Analytical Method:	SW8021B/8015Bm
Matrix:	Soil	Unit:	mg/Kg
Project:	0735; 3900 Adeline St. Oakland, CA	Sample ID:	MB/LCS-113161

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.592	0.40	0.60	-	99	70-130
MTBE	ND	0.0937	0.050	0.10	-	94	70-130
Benzene	ND	0.104	0.0050	0.10	-	104	70-130
Toluene	ND	0.106	0.0050	0.10	-	106	70-130
Ethylbenzene	ND	0.110	0.0050	0.10	-	110	70-130
Xylenes	ND	0.354	0.015	0.30	-	118	70-130
Surrogate Recovery							
2-Fluorotoluene	0.124	0.126		0.10	124	126	70-130



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/16/15
Date Analyzed: 11/16/15 - 11/17/15
Instrument: GC11B
Matrix: Soil
Project: 0735; 3900 Adeline St. Oakland, CA

WorkOrder: 1511716
BatchID: 113012
Extraction Method: SW3550B
Analytical Method: SW8015B
Unit: mg/Kg
Sample ID: MB/LCS-113012
 1511688-016AMS/MSD

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	47.5	1.0	40	-	119	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	28.0	28.1		25	112	112	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH-Diesel (C10-C23)	49.2	48.0	40	ND	121	118	70-130	2.36	30
Surrogate Recovery									
C9	28.4	28.3	25		113	113	70-130	0	30

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1511716

ClientCode: PDEO

- WaterTrax
 WriteOn
 EDF
 Excel
 EQulS
 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; Paul.King@pdenviro.c
cc/3rd Party: lab@pdenviro.com; Paul.King@pdenviro.c
PO:
ProjectNo: 0735; 3900 Adeline St. Oakland, CA

Bill to:

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

Requested TATs: **1 day;**
2 days;

Date Received:

Date Logged: **11/17/2015**

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		
1511716-001	BIN 1	Soil	11/17/2015 10:30	<input type="checkbox"/>	A	A	A	A	A	A	A	A						

Test Legend:

1	8081PCB_S	2	8260B_S	3	8270_S	4	CAM17MS_TTLC_S
5	G-MBTEX_S	6	STLC_EXTRACTONLY	7	TCLP_EXTRACTONLY	8	TPH(DMO)_S
9		10		11		12	

Prepared by: Lindsay Diesta

Comments: Always send reports to: lab@pdenviro.com; Paul.King@pdenviro.com; pdking0000@aol.com

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.



WORK ORDER SUMMARY

Client Name: P & D ENVIRONMENTAL

QC Level: LEVEL 2

Work Order: 1511716

Project: 0735; 3900 Adeline St. Oakland, CA

Client Contact: Michael Deschenes

Date Logged: 11/17/2015

Comments: Always send reports to: lab@pdenviro.com;
 Paul.King@pdenviro.com; pdking0000@aol.com

Contact's Email: lab@pdenviro.com; Paul.King@pdenviro.com;
 pdking0000@aol.com

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1511716-001A	BIN 1	Soil	SW8015B (Diesel & Motor Oil)	1		<input type="checkbox"/>	11/17/2015 10:30	2 days		<input type="checkbox"/>	
			TCLP Extraction			<input type="checkbox"/>		1 day*		<input type="checkbox"/>	
			STLC Extraction			<input type="checkbox"/>		1 day*		<input type="checkbox"/>	
			SW8021B/8015Bm (G/MBTEX)			<input type="checkbox"/>		2 days		<input type="checkbox"/>	
			SW6020 (CAM 17)			<input type="checkbox"/>		1 day		<input type="checkbox"/>	
			SW8270C (SVOCs)			<input type="checkbox"/>		2 days		<input type="checkbox"/>	
			SW8260B (VOCs)			<input type="checkbox"/>		2 days		<input type="checkbox"/>	
			SW8081A/8082 (OC Pesticides+PCBs)			<input type="checkbox"/>		2 days		<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

CHAIN OF CUSTODY RECORD

15 11716

P&D ENVIRONMENTAL, INC.

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

PROJECT NUMBER:

0735

PROJECT NAME:

3900 ADELIN ST.
OAKLAND, CA.

SAMPLED BY: (PRINTED & SIGNATURE)

MICHAEL BASS-DESCHENES *Michael Bass-Deschenes*

NUMBER OF CONTAINERS

ANALYSIS(ES):

TPH-G, D, MO
 EPA 8260
 EPA 8270
 CAM 17 / 8082
 WET and TCLP * 24 Hr TAT
 Residue at lab begin upon

PRESERVATIVE

RUSH

REMARKS

SAMPLE NUMBER

DATE

TIME

TYPE

SAMPLE LOCATION

BIN 1

11/17/15

1030

SOIL

1

X X X X X X

ICE

48 Hr TAT
 except CAM 17 metals
 which are 24 Hr TAT

6.9

PRESERVATION VOAS | O&G | METALS | OTHER
 ANALYZED IN LAB
 APPROVED BY: _____
 PRESERVED IN LAB

RELINQUISHED BY: (SIGNATURE)

Michael Bass-Deschenes

DATE

TIME

RECEIVED BY: (SIGNATURE)

11-17-15 1425 *[Signature]*

Total No. of Samples (This Shipment)

1

LABORATORY:

Mc CAMPBELL ANALYTICAL, INC.

RELINQUISHED BY: (SIGNATURE)

[Signature]

DATE

TIME

RECEIVED BY: (SIGNATURE)

11-17-15 1520 *[Signature]*

Total No. of Containers (This Shipment)

1

LABORATORY CONTACT: LABORATORY PHONE NUMBER:

ANGELA RYDELL 877 252-9262

RELINQUISHED BY: (SIGNATURE)

[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

RUSH

REMARKS: ① Begin WET and TCLP extractions upon sample receipt at lab.
 ② Analyze ~~WET~~ CAM 17 metals for TMC on a 24 Hr TAT.
 ③ Analyze WET or TCLP extract metals on a 24 Hr TAT that require extract analysis



Sample Receipt Checklist

Client Name: **P & D Environmental**
 Project Name: **0735; 3900 Adeline St. Oakland, CA**
 WorkOrder No: **1511716** Matrix: Soil
 Carrier: Bernie Cummins (MAI Courier)

Date and Time Received:
 Date Logged: **11/17/2015**
 Received by: **Lindsay Diesta**
 Logged by: **Lindsay Diesta**

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
 Sample/Temp Blank temperature Temp: 6.9°C NA
 Water - VOA vials have zero headspace / no bubbles? Yes No NA
 Sample labels checked for correct preservation? Yes No
 pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)? Yes No NA
 Samples Received on Ice? Yes No
 (Ice Type: WET ICE)

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522? Yes No NA
 Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539? Yes No NA

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

Comments:



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1511B04 **Amended:** 12/04/2015

Report Created for: P & D Environmental

55 Santa Clara, Ste.240
Oakland, CA 94610

Project Contact: Paul King

Project P.O.:

Project Name: 0735; 3900 Adeline St. Emeryville

Project Received: 11/25/2015

Analytical Report reviewed & approved for release on 11/30/2015 by:

Angela Rydelius,
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.



1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
NELAP: 4033ORELAP ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3



Glossary of Terms & Qualifier Definitions

Client: P & D Environmental
Project: 0735; 3900 Adeline St. Emeryville
WorkOrder: 1511B04

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

a3	sample diluted due to high organic content.
d7	strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram
e1	unmodified or weakly modified diesel is significant
e7	oil range compounds are significant



Glossary of Terms & Qualifier Definitions

Client: P & D Environmental
Project: 0735; 3900 Adeline St. Emeryville
WorkOrder: 1511B04

Quality Control Qualifiers

F1 MS/MSD recovery and/or RPD is out of acceptance criteria; LCS validated the prep batch.



McC Campbell Analytical, Inc.

"When Quality Counts"

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Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:29
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 2	1511B04-001A	Soil	11/25/2015	GC18	113445
Analytes	Result	RL	DF	Date Analyzed	
Acetone	ND	0.10	1	11/25/2015 21:50	
tert-Amyl methyl ether (TAME)	ND	0.0050	1	11/25/2015 21:50	
Benzene	ND	0.0050	1	11/25/2015 21:50	
Bromobenzene	ND	0.0050	1	11/25/2015 21:50	
Bromochloromethane	ND	0.0050	1	11/25/2015 21:50	
Bromodichloromethane	ND	0.0050	1	11/25/2015 21:50	
Bromoform	ND	0.0050	1	11/25/2015 21:50	
Bromomethane	ND	0.0050	1	11/25/2015 21:50	
2-Butanone (MEK)	ND	0.020	1	11/25/2015 21:50	
t-Butyl alcohol (TBA)	ND	0.050	1	11/25/2015 21:50	
n-Butyl benzene	ND	0.0050	1	11/25/2015 21:50	
sec-Butyl benzene	ND	0.0050	1	11/25/2015 21:50	
tert-Butyl benzene	ND	0.0050	1	11/25/2015 21:50	
Carbon Disulfide	ND	0.0050	1	11/25/2015 21:50	
Carbon Tetrachloride	ND	0.0050	1	11/25/2015 21:50	
Chlorobenzene	ND	0.0050	1	11/25/2015 21:50	
Chloroethane	ND	0.0050	1	11/25/2015 21:50	
Chloroform	ND	0.0050	1	11/25/2015 21:50	
Chloromethane	ND	0.0050	1	11/25/2015 21:50	
2-Chlorotoluene	ND	0.0050	1	11/25/2015 21:50	
4-Chlorotoluene	ND	0.0050	1	11/25/2015 21:50	
Dibromochloromethane	ND	0.0050	1	11/25/2015 21:50	
1,2-Dibromo-3-chloropropane	ND	0.0040	1	11/25/2015 21:50	
1,2-Dibromoethane (EDB)	ND	0.0040	1	11/25/2015 21:50	
Dibromomethane	ND	0.0050	1	11/25/2015 21:50	
1,2-Dichlorobenzene	ND	0.0050	1	11/25/2015 21:50	
1,3-Dichlorobenzene	ND	0.0050	1	11/25/2015 21:50	
1,4-Dichlorobenzene	ND	0.0050	1	11/25/2015 21:50	
Dichlorodifluoromethane	ND	0.0050	1	11/25/2015 21:50	
1,1-Dichloroethane	ND	0.0050	1	11/25/2015 21:50	
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	11/25/2015 21:50	
1,1-Dichloroethene	ND	0.0050	1	11/25/2015 21:50	
cis-1,2-Dichloroethene	ND	0.0050	1	11/25/2015 21:50	
trans-1,2-Dichloroethene	ND	0.0050	1	11/25/2015 21:50	
1,2-Dichloropropane	ND	0.0050	1	11/25/2015 21:50	
1,3-Dichloropropane	ND	0.0050	1	11/25/2015 21:50	
2,2-Dichloropropane	ND	0.0050	1	11/25/2015 21:50	

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CDPH ELAP 1644 ♦ NELAP 4033 ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:29
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 2	1511B04-001A	Soil	11/25/2015	GC18	113445
Analytes	Result	RL	DF	Date Analyzed	
1,1-Dichloropropene	ND	0.0050	1	11/25/2015 21:50	
cis-1,3-Dichloropropene	ND	0.0050	1	11/25/2015 21:50	
trans-1,3-Dichloropropene	ND	0.0050	1	11/25/2015 21:50	
Diisopropyl ether (DIPE)	ND	0.0050	1	11/25/2015 21:50	
Ethylbenzene	ND	0.0050	1	11/25/2015 21:50	
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	11/25/2015 21:50	
Freon 113	ND	0.0050	1	11/25/2015 21:50	
Hexachlorobutadiene	ND	0.0050	1	11/25/2015 21:50	
Hexachloroethane	ND	0.0050	1	11/25/2015 21:50	
2-Hexanone	ND	0.0050	1	11/25/2015 21:50	
Isopropylbenzene	ND	0.0050	1	11/25/2015 21:50	
4-Isopropyl toluene	ND	0.0050	1	11/25/2015 21:50	
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	11/25/2015 21:50	
Methylene chloride	ND	0.0050	1	11/25/2015 21:50	
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	11/25/2015 21:50	
Naphthalene	ND	0.0050	1	11/25/2015 21:50	
n-Propyl benzene	ND	0.0050	1	11/25/2015 21:50	
Styrene	ND	0.0050	1	11/25/2015 21:50	
1,1,1,2-Tetrachloroethane	ND	0.0050	1	11/25/2015 21:50	
1,1,2,2-Tetrachloroethane	ND	0.0050	1	11/25/2015 21:50	
Tetrachloroethene	ND	0.0050	1	11/25/2015 21:50	
Toluene	ND	0.0050	1	11/25/2015 21:50	
1,2,3-Trichlorobenzene	ND	0.0050	1	11/25/2015 21:50	
1,2,4-Trichlorobenzene	ND	0.0050	1	11/25/2015 21:50	
1,1,1-Trichloroethane	ND	0.0050	1	11/25/2015 21:50	
1,1,2-Trichloroethane	ND	0.0050	1	11/25/2015 21:50	
Trichloroethene	ND	0.0050	1	11/25/2015 21:50	
Trichlorofluoromethane	ND	0.0050	1	11/25/2015 21:50	
1,2,3-Trichloropropane	ND	0.0050	1	11/25/2015 21:50	
1,2,4-Trimethylbenzene	ND	0.0050	1	11/25/2015 21:50	
1,3,5-Trimethylbenzene	ND	0.0050	1	11/25/2015 21:50	
Vinyl Chloride	ND	0.0050	1	11/25/2015 21:50	
Xylenes, Total	ND	0.0050	1	11/25/2015 21:50	

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Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:29
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 2	1511B04-001A	Soil	11/25/2015	GC18	113445
Analytes	Result	RL	DF	Date Analyzed	
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>			
Dibromofluoromethane	103	70-130		11/25/2015 21:50	
Toluene-d8	90	70-130		11/25/2015 21:50	
4-BFB	103	70-130		11/25/2015 21:50	
Benzene-d6	98	60-140		11/25/2015 21:50	
Ethylbenzene-d10	100	60-140		11/25/2015 21:50	
1,2-DCB-d4	90	60-140		11/25/2015 21:50	
Analyst(s): AK					



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:29
Date Prepared: 11/28/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 2	1511B04-001A	Soil	11/25/2015	GC21	113481

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.50	2	11/30/2015 09:36
Acenaphthylene	ND	0.50	2	11/30/2015 09:36
Acetochlor	ND	0.50	2	11/30/2015 09:36
Anthracene	ND	0.50	2	11/30/2015 09:36
Benzidine	ND	2.6	2	11/30/2015 09:36
Benzo (a) anthracene	ND	0.50	2	11/30/2015 09:36
Benzo (a) pyrene	ND	0.50	2	11/30/2015 09:36
Benzo (b) fluoranthene	ND	0.50	2	11/30/2015 09:36
Benzo (g,h,i) perylene	ND	0.50	2	11/30/2015 09:36
Benzo (k) fluoranthene	ND	0.50	2	11/30/2015 09:36
Benzyl Alcohol	ND	2.6	2	11/30/2015 09:36
1,1-Biphenyl	ND	0.50	2	11/30/2015 09:36
Bis (2-chloroethoxy) Methane	ND	0.50	2	11/30/2015 09:36
Bis (2-chloroethyl) Ether	ND	0.50	2	11/30/2015 09:36
Bis (2-chloroisopropyl) Ether	ND	0.50	2	11/30/2015 09:36
Bis (2-ethylhexyl) Adipate	ND	0.50	2	11/30/2015 09:36
Bis (2-ethylhexyl) Phthalate	ND	0.50	2	11/30/2015 09:36
4-Bromophenyl Phenyl Ether	ND	0.50	2	11/30/2015 09:36
Butylbenzyl Phthalate	ND	0.50	2	11/30/2015 09:36
4-Chloroaniline	ND	1.0	2	11/30/2015 09:36
4-Chloro-3-methylphenol	ND	0.50	2	11/30/2015 09:36
2-Chloronaphthalene	ND	0.50	2	11/30/2015 09:36
2-Chlorophenol	ND	0.50	2	11/30/2015 09:36
4-Chlorophenyl Phenyl Ether	ND	0.50	2	11/30/2015 09:36
Chrysene	ND	0.50	2	11/30/2015 09:36
Dibenzo (a,h) anthracene	ND	0.50	2	11/30/2015 09:36
Dibenzofuran	ND	0.50	2	11/30/2015 09:36
Di-n-butyl Phthalate	ND	0.50	2	11/30/2015 09:36
1,2-Dichlorobenzene	ND	0.50	2	11/30/2015 09:36
1,3-Dichlorobenzene	ND	0.50	2	11/30/2015 09:36
1,4-Dichlorobenzene	ND	0.50	2	11/30/2015 09:36
3,3-Dichlorobenzidine	ND	1.0	2	11/30/2015 09:36
2,4-Dichlorophenol	ND	0.50	2	11/30/2015 09:36
Diethyl Phthalate	ND	0.50	2	11/30/2015 09:36
2,4-Dimethylphenol	ND	0.50	2	11/30/2015 09:36
Dimethyl Phthalate	ND	0.50	2	11/30/2015 09:36
4,6-Dinitro-2-methylphenol	ND	2.6	2	11/30/2015 09:36

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Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:29
Date Prepared: 11/28/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 2	1511B04-001A	Soil	11/25/2015	GC21	113481
Analytes	Result	RL	DF	Date Analyzed	
2,4-Dinitrophenol	ND	13	2	11/30/2015 09:36	
2,4-Dinitrotoluene	ND	0.50	2	11/30/2015 09:36	
2,6-Dinitrotoluene	ND	0.50	2	11/30/2015 09:36	
Di-n-octyl Phthalate	ND	1.0	2	11/30/2015 09:36	
1,2-Diphenylhydrazine	ND	0.50	2	11/30/2015 09:36	
Fluoranthene	ND	0.50	2	11/30/2015 09:36	
Fluorene	ND	0.50	2	11/30/2015 09:36	
Hexachlorobenzene	ND	0.50	2	11/30/2015 09:36	
Hexachlorobutadiene	ND	0.50	2	11/30/2015 09:36	
Hexachlorocyclopentadiene	ND	2.6	2	11/30/2015 09:36	
Hexachloroethane	ND	0.50	2	11/30/2015 09:36	
Indeno (1,2,3-cd) pyrene	ND	0.50	2	11/30/2015 09:36	
Isophorone	ND	0.50	2	11/30/2015 09:36	
2-Methylnaphthalene	ND	0.50	2	11/30/2015 09:36	
2-Methylphenol (o-Cresol)	ND	0.50	2	11/30/2015 09:36	
3 & 4-Methylphenol (m,p-Cresol)	ND	0.50	2	11/30/2015 09:36	
Naphthalene	ND	0.50	2	11/30/2015 09:36	
2-Nitroaniline	ND	2.6	2	11/30/2015 09:36	
3-Nitroaniline	ND	2.6	2	11/30/2015 09:36	
4-Nitroaniline	ND	2.6	2	11/30/2015 09:36	
Nitrobenzene	ND	0.50	2	11/30/2015 09:36	
2-Nitrophenol	ND	2.6	2	11/30/2015 09:36	
4-Nitrophenol	ND	2.6	2	11/30/2015 09:36	
N-Nitrosodiphenylamine	ND	0.50	2	11/30/2015 09:36	
N-Nitrosodi-n-propylamine	ND	0.50	2	11/30/2015 09:36	
Pentachlorophenol	ND	2.6	2	11/30/2015 09:36	
Phenanthrene	ND	0.50	2	11/30/2015 09:36	
Phenol	ND	0.50	2	11/30/2015 09:36	
Pyrene	ND	0.50	2	11/30/2015 09:36	
1,2,4-Trichlorobenzene	ND	0.50	2	11/30/2015 09:36	
2,4,5-Trichlorophenol	ND	0.50	2	11/30/2015 09:36	
2,4,6-Trichlorophenol	ND	0.50	2	11/30/2015 09:36	

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

 Angela Rydelius, Lab Manager



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:29
Date Prepared: 11/28/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg

Semi-Volatile Organics by GC/MS (Basic Target List)

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 2	1511B04-001A	Soil	11/25/2015	GC21	113481

Analytes	Result	RL	DF	Date Analyzed
<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>		
2-Fluorophenol	85	30-130		11/30/2015 09:36
Phenol-d5	81	30-130		11/30/2015 09:36
Nitrobenzene-d5	74	30-130		11/30/2015 09:36
2-Fluorobiphenyl	72	30-130		11/30/2015 09:36
2,4,6-Tribromophenol	63	16-130		11/30/2015 09:36
4-Terphenyl-d14	85	30-130		11/30/2015 09:36

Analyst(s): HK

Analytical Comments: a3



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:29
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: mg/Kg

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 2	1511B04-001A	Soil	11/25/2015	GC7	113423
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH(g)	2.1		1.0	1	11/26/2015 06:44
MTBE	---		0.050	1	11/26/2015 06:44
Benzene	---		0.0050	1	11/26/2015 06:44
Toluene	---		0.0050	1	11/26/2015 06:44
Ethylbenzene	---		0.0050	1	11/26/2015 06:44
Xylenes	---		0.015	1	11/26/2015 06:44
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
2-Fluorotoluene	122		70-130		11/26/2015 06:44
<u>Analyst(s):</u> IA			<u>Analytical Comments:</u> d7		



Analytical Report

Client: P & D Environmental
Date Received: 11/25/15 17:29
Date Prepared: 11/25/15
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
Extraction Method: SW3550B
Analytical Method: SW8015B
Unit: mg/Kg

Total Extractable Petroleum Hydrocarbons w/out SG Clean-Up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
BIN 2	1511B04-001A	Soil	11/25/2015	GC9a	113452
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
TPH-Diesel (C10-C23)	13		1.0	1	11/26/2015 13:47
TPH-Motor Oil (C18-C36)	19		5.0	1	11/26/2015 13:47
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
C9	104		70-130		11/26/2015 13:47
<u>Analyst(s):</u> TK			<u>Analytical Comments:</u> e1,e7		



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/25/15
Date Analyzed: 11/25/15
Instrument: GC16
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville


WorkOrder: 1511B04
BatchID: 113445
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/Kg
Sample ID: MB/LCS-113445

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0400	0.0050	0.050	-	80	53-116
Benzene	ND	0.0467	0.0050	0.050	-	93	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.176	0.050	0.20	-	88	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0436	0.0050	0.050	-	87	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0422	0.0040	0.050	-	84	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0438	0.0040	0.050	-	88	58-135
1,1-Dichloroethene	ND	0.0446	0.0050	0.050	-	89	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

 QA/QC Officer



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/25/15
Date Analyzed: 11/25/15
Instrument: GC16
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
BatchID: 113445
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/Kg
Sample ID: MB/LCS-113445

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.0446	0.0050	0.050	-	89	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0427	0.0050	0.050	-	85	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0422	0.0050	0.050	-	84	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0488	0.0050	0.050	-	98	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0445	0.0050	0.050	-	89	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-

(Cont.)

CDPH ELAP 1644 ♦ NELAP 4033 ORELAP

QA/QC Officer



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/25/15
Date Analyzed: 11/25/15
Instrument: GC16
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
BatchID: 113445
Extraction Method: SW5030B
Analytical Method: SW8260B
Unit: mg/Kg
Sample ID: MB/LCS-113445

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	0.116	0.119		0.12	93	95	70-130
Toluene-d8	0.122	0.117		0.12	97	94	70-130
4-BFB	0.0113	0.0116		0.012	90	93	70-130
Benzene-d6	0.0905	0.0876		0.10	91	88	60-140
Ethylbenzene-d10	0.0959	0.0983		0.10	96	98	60-140
1,2-DCB-d4	0.0758	0.0768		0.10	76	77	60-140



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/28/15
Date Analyzed: 11/30/15
Instrument: GC21
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
BatchID: 113481
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-113481
1511B24-006AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	3.45	0.25	5	-	69	30-130
Acenaphthylene	ND	-	0.25	-	-	-	-
Acetochlor	ND	-	0.25	-	-	-	-
Anthracene	ND	-	0.25	-	-	-	-
Benzidine	ND	-	1.3	-	-	-	-
Benzo (a) anthracene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	ND	-	0.25	-	-	-	-
Benzo (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzyl Alcohol	ND	-	1.3	-	-	-	-
1,1-Biphenyl	ND	-	0.25	-	-	-	-
Bis (2-chloroethoxy) Methane	ND	-	0.25	-	-	-	-
Bis (2-chloroethyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-chloroisopropyl) Ether	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Adipate	ND	-	0.25	-	-	-	-
Bis (2-ethylhexyl) Phthalate	ND	-	0.25	-	-	-	-
4-Bromophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Butylbenzyl Phthalate	ND	-	0.25	-	-	-	-
4-Chloroaniline	ND	-	0.50	-	-	-	-
4-Chloro-3-methylphenol	ND	3.61	0.25	5	-	72	30-130
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	3.73	0.25	5	-	75	30-130
4-Chlorophenyl Phenyl Ether	ND	-	0.25	-	-	-	-
Chrysene	ND	-	0.25	-	-	-	-
Dibenzo (a,h) anthracene	ND	-	0.25	-	-	-	-
Dibenzofuran	ND	-	0.25	-	-	-	-
Di-n-butyl Phthalate	ND	-	0.25	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.25	-	-	-	-
1,4-Dichlorobenzene	ND	3.40	0.25	5	-	68	30-130
3,3-Dichlorobenzidine	ND	-	0.50	-	-	-	-
2,4-Dichlorophenol	ND	-	0.25	-	-	-	-
Diethyl Phthalate	ND	-	0.25	-	-	-	-
2,4-Dimethylphenol	ND	-	0.25	-	-	-	-
Dimethyl Phthalate	ND	-	0.25	-	-	-	-
4,6-Dinitro-2-methylphenol	ND	-	1.3	-	-	-	-

(Cont.)



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/28/15
Date Analyzed: 11/30/15
Instrument: GC21
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
BatchID: 113481
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-113481
1511B24-006AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	3.43	0.25	5	-	.69	30-130
2,6-Dinitrotoluene	ND	-	0.25	-	-	-	-
Di-n-octyl Phthalate	ND	-	0.50	-	-	-	-
1,2-Diphenylhydrazine	ND	-	0.25	-	-	-	-
Fluoranthene	ND	-	0.25	-	-	-	-
Fluorene	ND	-	0.25	-	-	-	-
Hexachlorobenzene	ND	-	0.25	-	-	-	-
Hexachlorobutadiene	ND	-	0.25	-	-	-	-
Hexachlorocyclopentadiene	ND	-	1.3	-	-	-	-
Hexachloroethane	ND	-	0.25	-	-	-	-
Indeno (1,2,3-cd) pyrene	ND	-	0.25	-	-	-	-
Isophorone	ND	-	0.25	-	-	-	-
2-Methylnaphthalene	ND	-	0.25	-	-	-	-
2-Methylphenol (o-Cresol)	ND	-	0.25	-	-	-	-
3 & 4-Methylphenol (m,p-Cresol)	ND	-	0.25	-	-	-	-
Naphthalene	ND	-	0.25	-	-	-	-
2-Nitroaniline	ND	-	1.3	-	-	-	-
3-Nitroaniline	ND	-	1.3	-	-	-	-
4-Nitroaniline	ND	-	1.3	-	-	-	-
Nitrobenzene	ND	-	0.25	-	-	-	-
2-Nitrophenol	ND	-	1.3	-	-	-	-
4-Nitrophenol	ND	2.99	1.3	5	-	60	30-130
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	3.50	0.25	5	-	70	30-130
Pentachlorophenol	ND	3.09	1.3	5	-	62	30-130
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	3.46	0.25	5	-	69	30-130
Pyrene	ND	3.66	0.25	5	-	73	30-130
1,2,4-Trichlorobenzene	ND	3.66	0.25	5	-	73	30-130
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-

(Cont.)

JR QA/QC Officer



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/28/15
Date Analyzed: 11/30/15
Instrument: GC21
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
BatchID: 113481
Extraction Method: SW3550B
Analytical Method: SW8270C
Unit: mg/Kg
Sample ID: MB/LCS-113481
1511B24-006AMS/MSD

QC Summary Report for SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
2-Fluorophenol	4.93	3.83		5	99	77	30-130
Phenol-d5	4.54	3.59		5	91	72	30-130
Nitrobenzene-d5	4.23	3.60		5	85	72	30-130
2-Fluorobiphenyl	3.71	3.18		5	74	64	30-130
2,4,6-Tribromophenol	3.35	2.80		5	67	56	16-130
4-Terphenyl-d14	4.24	3.50		5	85	70	30-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	NR	NR		ND<40	NR	NR	-	NR	
4-Chloro-3-methylphenol	NR	NR		ND<40	NR	NR	-	NR	
2-Chlorophenol	NR	NR		ND<40	NR	NR	-	NR	
1,4-Dichlorobenzene	NR	NR		ND<40	NR	NR	-	NR	
2,4-Dinitrotoluene	NR	NR		ND<40	NR	NR	-	NR	
4-Nitrophenol	NR	NR		ND<210	NR	NR	-	NR	
N-Nitrosodi-n-propylamine	NR	NR		ND<40	NR	NR	-	NR	
Pentachlorophenol	NR	NR		ND<210	NR	NR	-	NR	
Phenol	NR	NR		ND<40	NR	NR	-	NR	
Pyrene	NR	NR		ND<40	NR	NR	-	NR	
1,2,4-Trichlorobenzene	NR	NR		ND<40	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorophenol	NR	NR			NR	NR	-	NR	
Phenol-d5	NR	NR			NR	NR	-	NR	
Nitrobenzene-d5	NR	NR			NR	NR	-	NR	
2-Fluorobiphenyl	NR	NR			NR	NR	-	NR	
2,4,6-Tribromophenol	NR	NR			NR	NR	-	NR	
4-Terphenyl-d14	NR	NR			NR	NR	-	NR	



Quality Control Report

Client: P & D Environmental
Date Prepared: 11/25/15
Date Analyzed: 11/25/15 - 12/1/15
Instrument: GC7
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
BatchID: 113423
Extraction Method: SW5030B
Analytical Method: SW8021B/8015Bm
Unit: mg/Kg
Sample ID: MB/LCS-113423
 1511A66-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	0.518	0.40	0.60	-	86	70-130
MTBE	ND	0.0934	0.050	0.10	-	93	70-130
Benzene	ND	0.0953	0.0050	0.10	-	95	70-130
Toluene	ND	0.0926	0.0050	0.10	-	93	70-130
Ethylbenzene	ND	0.0967	0.0050	0.10	-	97	70-130
Xylenes	ND	0.308	0.015	0.30	-	103	70-130

Surrogate Recovery

2-Fluorotoluene	0.129	0.116		0.10	129	116	70-130
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Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.527	0.521	0.60	ND	88	87	70-130	1.14	20
MTBE	0.0692	0.0719	0.10	ND	69.F1	72	70-130	3.82	20
Benzene	0.0942	0.102	0.10	ND	94	102	70-130	8.40	20
Toluene	0.0963	0.104	0.10	ND	96	105	70-130	8.15	20
Ethylbenzene	0.101	0.109	0.10	ND	101	109	70-130	7.78	20
Xylenes	0.320	0.345	0.30	ND	107	115	70-130	7.49	20

Surrogate Recovery

2-Fluorotoluene	0.114	0.122	0.10		114	122	70-130	7.06	20
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Quality Control Report

Client: P & D Environmental
Date Prepared: 11/25/15
Date Analyzed: 11/27/15 - 11/30/15
Instrument: GC6B, GC9b
Matrix: Soil
Project: 0735; 3900 Adeline St. Emeryville

WorkOrder: 1511B04
BatchID: 113452
Extraction Method: SW3550B
Analytical Method: SW8015B
Unit: mg/Kg
Sample ID: MB/LCS-113452

QC Report for SW8015B w/out SG Clean-Up

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	39.4	1.0	40	-	98	70-130
TPH-Motor Oil (C18-C36)	ND	-	5.0	-	-	-	-
Surrogate Recovery							
C9	26.5	26.0		25	106	104	70-130

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1511B04 ClientCode: PDEO

WaterTrax
 WriteOn
 EDF
 Excel
 EQulS
 Email
 HardCopy
 ThirdParty
 J-flag

Requested TAT: 1 day;

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

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

Date Received: 11/25/2015
 Date Logged: 11/25/2015

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				
1511B04-001	BIN 2	Soil	11/25/2015	<input type="checkbox"/>	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Test Legend:

1	8260B S	2	8270 S	3	G-MBTX S	4	TPH(DMO) S
5		6		7		8	
9		10		11		12	

The following SampleID: 001A contains testgroup.

Prepared by: Agustina Venegas

Comments: Always send reports to: lab@pdenviro.com; Paul.King@pdenviro.com; pdking0000@aol.com

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.



McC Campbell 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

WORK ORDER SUMMARY

Client Name: P & D ENVIRONMENTAL
Project: 0735; 3900 Adeline St. Emeryville
Comments: Always send reports to: lab@pdenviro.com;
 Paul.King@pdenviro.com; pdking0000@aol.com

QC Level: LEVEL 2
Client Contact: Paul King
Contact's Email: lab@pdenviro.com; Paul.King@pdenviro.com;
 pdking0000@aol.com

Work Order: 1511B04
Date Logged: 11/25/2015

WaterTrax WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Hold	SubOut Content
1511B04-001A	BIN 2	Soil	Multi-Range TPH(g,d,mo) SW8270C (SVOCs) SW8260B (VOCs)	4 / (4:1)	Stainless Steel tube 2"x6"	<input type="checkbox"/>	11/25/2015	1 day	<input type="checkbox"/>	
						<input type="checkbox"/>		1 day	<input type="checkbox"/>	
						<input type="checkbox"/>		1 day	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).
 - MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



Sample Receipt Checklist

Client Name: **P & D Environmental**
 Project Name: **0735; 3900 Adeline St. Emeryville**
 WorkOrder No: **1511B04** Matrix: Soil
 Carrier: Client Drop-In

Date and Time Received: **11/25/2015 17:18**
 Date Logged: **11/25/2015**
 Received by: **Jena Alfaro**
 Logged by: **Agustina Venegas**

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
 Sample/Temp Blank temperature Temp: 13°C NA
 Water - VOA vials have zero headspace / no bubbles? Yes No NA
 Sample labels checked for correct preservation? Yes No
 pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)? Yes No NA
 Samples Received on Ice? Yes No

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522? Yes No NA
 Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539? Yes No NA

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

Comments: