Webster Equity LLC
1440 Broadway, Suite 405
Oakland, CA 94612

June 11, 2014

Ms. Karel Dettermen
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

SUBJECT: SUBSURFACE INVESTIGATION REPORT CERTIFICATION
ACEH Case # RO 3100
Commercial Building
1900 Webster Street
Oakland, CA

Dear Ms. Detterman:

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

- Subsurface Investigation Report dated June 11, 2014 (document 0590.R1).

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

Should you have any questions, please do not hesitate to call me at (415) 531-2604.

Sincerely,

Webster Equity LLC

Sammy Joselewitz

Cc: Mr. LeRoy Griffin, Oakland Fire Department, Emergency Services, 250 Frank Ogawa Plaza, Suite 3341, Oakland, CA 94612 (with enclosure)

0590.L2

P&D ENVIRONMENTAL, INC.

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

June 11, 2014
Report 0590.R1

Sammy Joselewitz
Webster Equity LLC
1440 Broadway, Suite 405
Oakland, CA 94612

SUBJECT: SUBSURFACE INVESTIGATION REPORT
(B3 THROUGH B8 AND B11 THROUGH B14)
1900 Webster Street
Oakland, CA 94612

Dear Mr. Joselewitz:

P&D Environmental, Inc. (P&D) has prepared this report documenting a geophysical survey to locate Underground Storage Tanks (USTs) and the drilling and/or hand augering of eleven boreholes designated as B3 through B8 and B11 through B14 for collection of soil and groundwater samples for investigation of subsurface conditions at the subject site. The geophysical survey was performed on April 24, 2013. Drilling and hand augering was performed on August 28, September 25, October 2, and October 9, 2013 to evaluate the presence of petroleum hydrocarbons associated with historical property use as a service station between 1940 and 1966. A Site Location Map Detail showing Topographic Contours is attached as Figure 1, and a Site Plan showing the borehole locations is attached as Figure 2. All work was performed under the supervision of a California professional geologist.

BACKGROUND

Based on review of a May 2, 2011 Phase I Environmental Site Assessment (ESA) prepared by AEI Consultants (AEI) the current building at the subject site was constructed in 1969 by Mr. Edgar Buttner for use as a bank/office building. The subject property was historically occupied by a gasoline service station from approximately 1940 until 1966 (over 25 years). According to records on file at the Oakland Building Department (OBD), the former gasoline service station was demolished in 1966; however, no records were on file with the OBD, the Alameda County Environmental Health Services Department, or Oakland Fire Department regarding the removal of presumed formerly utilized fuel USTs from the site. In addition, no documentation was available to indicate whether soil samples were collected and analyzed for the presence of petroleum hydrocarbon contamination following the demolition of the gasoline service station (and potential removal of fuel USTs). The report concluded that based on the absence of data to confirm whether formerly utilized fuel USTs were removed from the site, or that contamination was present at the time of potential tank removal, the possibility exists that fuel USTs, as well as associated petroleum hydrocarbon contamination may remain in place at the subject property. This former presence of a gasoline service station (and presumed associated fuel USTs) at the subject property site represented a recognized environmental condition.

Review of an August 8, 2011 Phase II Subsurface Investigation Report prepared by AEI identified three soil borings designated as SB-1 through SB-3 (see Figure 2) that were continuously cored using a Geoprobe drill rig on July 20, 2011 to total depths of 20, 20, and 24 feet below the ground surface (bgs), respectively, for collection of soil and groundwater samples. Groundwater was reported to have been encountered in all three boreholes at depths of 16, 17 and 21 feet bgs, respectively. Copies of the boring logs are attached as Appendix A. The soil sample results are summarized in Table 1, and the groundwater sample results are summarized in Table 2. Based on the detected presence of petroleum hydrocarbons in groundwater to the northeast of the subject site, the report concluded that a release had occurred from the former gasoline station.

Review of a September 18, 2012 Phase I Environmental Site Assessment and Limited Phase II Subsurface Investigation report prepared by SCHUTZE & Associates, Inc. of Fremont, California (Schutze) identified two soil borings designated as B1 and B2 that were continuously cored inside the building on August 22, 2012 using a Geoprobe drill rig to depths of 16.5 and 18.0 feet bgs for soil and groundwater sample collection. Although boring logs were not included in the report, copies of boring logs for the boreholes were subsequently obtained from Schutze and are attached with this report as Appendix A. Groundwater was identified on each of the boring logs at a depth of approximately 14 feet bgs. The soil and groundwater results are summarized in Tables 1 and 2, respectively. Based on the sample results, Schutze concluded that the highest petroleum hydrocarbon groundwater concentrations detected were at the property to the southeast of the subject site in AEI borehole SB-3, suggesting a petroleum hydrocarbon source on the adjacent property to the southeast of the subject site.

The property was acquired from Mr. Buttner in 2012 by Webster Equity LLC. P&D personnel spoke with Mr. Buttner following the acquisition regarding site grading at the time of construction of the existing building. Mr. Buttner said that because the ground surface at the site slopes to the north-northeast (see Figure 1), the site was excavated to a depth of several feet on the south side of the parcel adjacent to 19th Street following demolition of the gasoline station and in preparation for construction of the existing site building foundation. In addition, substantial excavation was performed for placement of grade beams as part of the existing building foundation system. Mr. Buttner said that if USTs had not been removed at the time of service station demolition, they would have been removed at the time of foundation system construction for the new building. In addition, Mr. Buttner did not recall any conditions of contaminated soil being encountered during site grading for building construction.

Following review of available information, P&D contacted Mr. Chuck Headlee at the San Francisco Bay Regional Water Quality Control Board to discuss obtaining a comfort letter related to the petroleum hydrocarbons detected by AEI and Schutze. Mr. Headlee stated that based on the historical presence of the service station at the subject site, it would first be necessary to demonstrate that there is no evidence of a petroleum hydrocarbon source at the subject site associated with the historical service station before discussing a comfort letter. Based on review of Sanborn Fire Insurance Maps and historical aerial photographs identified in the AEI and Schutze reports, P&D identified likely locations for former UST pits and dispenser islands at the site in preparation for drilling to evaluate potential petroleum hydrocarbon sources at the site.

Review of the Schutze 2012 report identified a historical gasoline station at the northwest corner of the intersection of Webster Street and 19th Street, across Webster Street from the subject site.

Review of GeoTracker identified a fuel release site located approximately 400 feet to the south-southwest of the subject site at 1721 Webster Street. A groundwater grab sample collected in February 1996 from borehole SB-G (located approximately 95 feet from the subject site, see Figure 2) associated with the 1721 Webster Street investigation identified 5,200 micrograms per liter (ug/L) of Total Petroleum Hydrocarbons as Gasoline (TPH-G) and 1.3 ug/L of benzene. No analysis for Total Petroleum Hydrocarbons as Diesel (TPH-D) was identified for the sample. Based on water levels in groundwater monitoring wells associated with the 1721 Webster Street site the groundwater flow direction is to the north-northeast (approximately parallel to Webster Street).

Review of the Alameda County Local Oversight Program website also identified a fuel release site located approximately 250 feet to the south-southwest of the subject site at 1732, 1734, 1750 Webster Street (identified as 1750 Webster Street). A northeasterly groundwater flow direction based on water levels in groundwater monitoring wells has been identified for the site. TPH-G concentrations in groundwater monitoring well A-1 (the downgradient well located closest to the subject site) of up to 68,000 ug/L are consistent with the magnitude of TPH-G encountered in AEI borehole SB-3 that is located immediately to the east of the subject site. No analysis for TPH-D was identified for the 1750 Webster Street site. Figures showing groundwater flow directions and TPH-G and benzene groundwater concentrations in 1998 and 1999 for the 1750 Webster Street site are attached with this report as Appendix D.

FIELD ACTIVITIES

Field activities associated with investigation of the historical service station at the site included a geophysical survey to evaluate the presence of USTs, and drilling boreholes for soil and groundwater sample collection.

Geophysical Survey

To evaluate the potential presence of USTs at the site, Subtronic Corporation (Subtronic) performed a geophysical survey of the site using ground penetrating radar (GPR) on April 24, 2013. The report concluded that no USTs were identified during the GPR survey, however the depth of GPR penetration could not be determined, and if the soil was conductive the depth of GPR penetration could be reduced to a depth where USTs could not be seen. A copy of the Subtronic report is attached with this report as Appendix B.

Soil Borings

Prior to performing field activities for soil and groundwater sample collection, permit # W2013-0582 was obtained from the Alameda County Public Woks Agency (ACPWA), drilling locations were marked with white paint, Underground Service Alert was notified for underground utility location, a health and safety plan was prepared, and site access was arranged with the property

owner and the tenants. Notification of the drilling dates was also provided to the ACPWA to schedule inspections.

P&D personnel oversaw drilling at locations B3 through B8 and B11 through B14 shown on Figure 2 for the collection of soil and groundwater samples at the subject site as follows:

- On August 28, 2013 coring refusal was encountered in concrete (a suspected grade beam) at borehole B3, and borehole B4 was hand augered from below the floor slab to 4.0 feet bgs and continuously cored from 4.0 to 20.0 feet bgs.

- On September 25, 2013 refusal was encountered while hand augering at location B12 at a depth of 2.0 feet bgs on a concrete slab, and each of boreholes B5, B6, B8, B11, and B13 were hand augered from below the floor slab to a depth of 5.0 feet bgs.

- On October 2, 2013 boreholes B5 and B6 were continuously cored from 5.0 to 19.0 feet bgs, borehole B8 was continuously cored from 5.0 to 18.0 feet bgs, and borehole B13 was continuously cored from 5.0 to 13.0 feet bgs at which depth refusal was encountered on a concrete slab.

- On October 9, 2013 borehole B7 was hand augered from below the floor slab to 13.0 feet bgs, borehole B11 was hand augered from 5.0 to 15.0 feet bgs, borehole B13 was hand augered from 12 to 13 feet bgs (approximately 1 foot of slough had fallen into the borehole) where refusal was encountered on a concrete slab, and borehole B14 was hand augered from below the floor slab to 15.0 feet bgs.

Boreholes B9 and B10 were not drilled based on soil and groundwater sample results obtained from boreholes B1 through B8, B11 through B14, and SB-1 through SB-3.

Drilling activities on August 28 and October 2, 2013 were performed by Vironex, Inc. of Concord, California by continuously coring using Geoprobe direct push technology with a limited access drill rig to drive a 2.0-inch outside diameter Geoprobe macrocore barrel sampler lined with transparent PVC sleeves. Boreholes B4, B5, B6, B8 and B13 were continuously cored to total depths of 20.0 19.0, 20.0, 18.0 and 13.0 feet bgs, respectively.

All hand augering activities on September 25 and October 9, 2013 were performed by IMX, Inc. of Oakland, California using a 3.5-inch or 2.0-inch outside diameter hand auger. Boreholes B7, B11, B12 and B14 were each hand augered to total depths of 13.0, 15.0, 2.0, 15.0 feet bgs, respectively. Three attempts were made to drill at location B12, and at each location concrete was encountered at a depth of 2.0 feet bgs.

The soil from each of the boreholes was logged in the field in accordance with standard geologic field techniques and the Unified Soil Classification System. All soil from the boreholes was evaluated with a Photoionization Detector (PID) equipped with a 10.6 eV bulb and calibrated using a 100 ppm isobutylene standard. No elevated PID values were detected and no odors, staining, or discoloration were observed in the soil from any of the boreholes with the following exceptions:

- B5 where strong petroleum hydrocarbon odor and a PID value of 93 ppm were encountered between the depths of 18.0 and 19.0 feet bgs,

- B7 where strong petroleum hydrocarbon and PID values ranging from 123 to 1022 ppm were encountered between the depths of 12.5 and 13.0 feet bgs,

- B8 where slight petroleum hydrocarbon odor and a PID value of 23 ppm were encountered between the depths of 10.5 and 13.0 feet bgs, and

- B14 where a moderate petroleum hydrocarbon odor and a PID value of 34 ppm were encountered between the depth of 15.0 feet bgs.

The subsurface materials encountered in the boreholes consisted predominantly of silty sand and clayey sand, with typically one or two silt or clay layers measuring approximately 0.5 to 1.0 foot in thickness in each borehole, and a 3.0-foot thick clay layer between the depths of 10.0 and 13.0 feet bgs in B14.

Fill material was encountered at all three attempted locations for borehole B12 with the fill consisting of gravelly silty sand with concrete and brick fragments to the refusal depth of 2.0 feet bgs on a concrete slab. The material encountered in borehole B13 is interpreted to be fill based on auger refusal at a depth of 13.0 feet on concrete.

Augering was discontinued at location B7 at a depth of 13.0 feet bgs based on the elevated petroleum hydrocarbon odors and the borehole being located in a dentist office.

Groundwater was encountered while drilling in each of boreholes B5, B6 and B8 at depths of 18.0, 17.5 and 17.0 feet bgs, respectively. The measured depth to water in boreholes B5, B6 and B8 prior to groundwater sample collection was 16.7, 16.6 and 15.6 feet, respectively. Although groundwater was encountered in borehole B4 during drilling at a depth of 18.0 feet bgs and the borehole was extended to a depth of 20.0 feet bgs, groundwater did not enter the borehole. Groundwater samples were not collected at locations B11 and B14 based on the absence of evidence of petroleum hydrocarbons in soil at depths of 5 and 10 feet at these locations.

Field observations of the materials from each borehole related to lithology, discoloration, moisture, density, odor and PID readings, and the depth at which groundwater was encountered were recorded on boring logs that are attached with this report as Appendix A.

Soil samples were collected at 5-foot intervals from the boreholes for laboratory analysis in the following manner. In boreholes where Geoprobe drilling methods were used (B4, B5, B6 and B8), following removal of the PVC liner from the GeoProbe macrocore barrel sampler, the liner was evaluated for the amount of sample recovery in the liner, and a 6-inch long section of the liner was then cut at the depth corresponding to the desired sample collection depth. Following collection of the 6-inch long sample, the ends of the sample were evaluated with the PID, and then sequentially covered with aluminum foil and plastic endcaps. The sample was then labeled and placed into a cooler with ice pending delivery to the laboratory. Chain of custody procedures

were observed for all sample handling. In boreholes that were hand augered (B7, 11, 13, and 14), following hand augering to the desired sampling depth, a stainless steel sampler lined with a 6-inch long 2-inch diameter stainless tube was driven into the bottom of the borehole using a slide hammer. Following removal of the tube from the sampler, the ends of the tube were evaluated with the PID, and then sequentially covered with aluminum foil and plastic endcaps. The sample was then labeled and placed into a cooler with ice pending delivery to the laboratory. Chain of custody procedures were observed for all sample handling.

One groundwater grab sample was collected at each of locations B5, B6 and B8 from first-encountered groundwater by placing a temporary 1-inch diameter slotted PVC pipe into the borehole and inserting a polyethylene tube into the PVC and using a peristaltic pump to withdraw water from the temporary pipe. Prior to groundwater sample collection, approximately 0.2-gallons were purged from borehole B5, and approximately 0.1-gallons were purged from boreholes B6 and B8 prior to groundwater sample collection. The groundwater samples were pumped directly into 40-milliliter VOAs and 1-liter glass amber containers which were supplied by the laboratory and which contained hydrochloric acid preservative. The sample bottles were labeled and placed in a cooler with ice pending delivery to the laboratory. Chain of custody procedures were observed for all sample handling. No sheen was detected or observed for any of the groundwater grab samples. In boreholes B5 and B8 moderate and slight petroleum odor were detected, and no odor was detected in the sample from B6. Following collection of the first-encountered groundwater sample, each borehole was filled with neat cement grout using the temporary PVC casing as a tremie pipe.

Inspector Steve Miller of ACPWA was onsite to observe and document the grouting of boreholes B4, B11 and B13 and gave verbal authorization to grout the remaining boreholes without his presence. Soil generated during drilling and hand augering was stored in a drum at the site pending characterization and disposal.

GEOLOGY AND HYDROGEOLOGY

Based on review of regional geologic maps from U.S. Geological Survey (USGS) Professional Paper 943, "Flatland Deposits - Their Geology and Engineering Properties and Their Importance to Comprehensive Planning," by E.J. Helley and K.R. Lajoie, 1979 the subject site is underlain by Late Pleistocene alluvium (Qpa). The alluvium is described as typically consisting of weakly consolidated slightly weathered poorly sorted irregularly interbedded clay, silt, sand and gravel.

Based on review of the Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California (U.S. Geological Survey Miscellaneous Field Studies MF-2342, Version 1.0) by R.W Graymer, 2000, the site is predominantly underlain by Merritt sand (Holocene and Pleistocene) eolian deposits (Qms) that are described as consisting of fine-grained, very well sorted, well drained eolian deposits.

The subsurface materials encountered in borehole B4 through B14 consisted predominantly of silty or clayey sand and fine sand, with lesser amounts of silt and clay encountered in each borehole. Groundwater was encountered while drilling in each of boreholes B5, B6 and B8 at a depth of 18.0,

17.5 and 17.0 feet bgs, respectively. The measured depth to water in boreholes B5, B6 and B8 prior to groundwater sample collection was 16.7, 16.6 and 15.6 feet, respectively.

Geologic cross sections A-A' and B-B' and a map showing the locations of the geologic cross sections obtained from a March 26, 2012 Sensitive Receptor Survey, Conduit Study and Site Conceptual Model report prepared by Pangea Environmental Services, Inc. for a Douglas Parking Company site located at 1721 Webster Street in Oakland (approximately 400 feet to the south-southwest of the subject site) are attached with this report as Appendix C. Review of the geologic cross sections in Appendix C shows that the subsurface materials at the 1721 Webster Street site are similar to the materials identified in the soil borings at the subject site. Based on water levels in groundwater monitoring wells associated with the 1721 Webster Street site the groundwater flow direction is to the north-northeast and approximately parallel to Webster Street (see Figure 3 in Appendix C). Similarly, northeasterly groundwater flow directions were identified for the 1750 Webster Street site (located approximately 250 feet to the southwest of the subject site) based on water levels in groundwater monitoring wells (see Appendix D).

Review of Figure 1 shows that the topography at the site slopes to the north-northeast, and that Lake Merritt is located approximately 850 feet to the east of the site at a surface elevation that is approximately 25 feet lower than the subject site. The slope of the ground surface at the subject site is consistent with the groundwater flow direction identified at the 1721 Webster Street site located approximately 400 feet upgradient of the subject site

LABORATORY ANALYSIS

All of the borehole soil and groundwater samples were analyzed at McCampbell Analytical, Inc. (McCampbell) of Pittsburg, California. The borehole soil samples collected from boreholes B4 through B8, B11, B13, and B14 were analyzed for Total Petroleum Hydrocarbons as Gasoline (TPH-G) using EPA Method 5030B in conjunction with EPA Method 8021B and modified EPA Method 8015B, for Total Petroleum Hydrocarbons as Diesel (TPH-D), Total Petroleum Hydrocarbons as Bunker Oil (TPH-BO), and Total Petroleum Hydrocarbons as Motor Oil (TPH-MO) using EPA Method 3550B and EPA Method 3630C in conjunction with EPA Method 8015B using silica gel cleanup, for volatile organic compounds (VOCs) including Methyl-tert Butyl Ether (MTBE), benzene, toluene, ethylbenzene, total xylenes (BTEX), fuel oxygenates and lead scavengers using EPA Method 5030B in conjunction with EPA Method 8021B and modified EPA Method 8015B, for semi-volatile organic compounds (SVOCs) using EPA Method 3550B in conjunction with EPA Method 8270C, and for total lead using EPA Method 3050B in conjunction with EPA Method 6010B.

The borehole groundwater grab samples collected from boreholes B5, B6, and B8 were analyzed for TPH-G using EPA Method 5030B in conjunction with modified EPA Method 8015B and EPA Method 8021B, for TPH-D, TPH-BO, and TPH-MO using EPA Method 3510C and EPA Method 3630C in conjunction with EPA Method 8015B using silica gel cleanup, for VOCs including MBTEX, fuel oxygenates, and lead scavengers using EPA Method 5030B in conjunction with modified EPA Method 8260B, and for total lead using EPA Method E200.8.

The laboratory analytical results for all of the borehole soil samples are summarized in Table 1 and the laboratory analytical results for the borehole groundwater samples are summarized in Table 2. Copies of the laboratory analytical reports are attached with this report as Appendix E.

TPH-G, TPH-D, and benzene groundwater concentrations from boreholes associated with the subject site are shown in Figures 3, 4 and 5, respectively.

DISCUSSION AND RECOMMENDATIONS

Figure 6 is a Site Vicinity Aerial Photograph that shows the locations of nearby sites with USTs. Although a service station was historically identified on the opposite side of Webster Street from the subject site (see Figure 6), the absence of detectable concentrations of petroleum hydrocarbons in groundwater samples collected from AEI boreholes SB-1 and SB-2 suggests that any potential releases from this offsite location have not impacted the west side of the subject site.

Similarly, although a fuel release was identified approximately 400 feet upgradient of the subject site at 1721 Webster Street (see Figure 6) where 5,200 ug/L TPH-G was detected in a groundwater grab sample collected from borehole SB-G approximately 90 feet upgradient of the subject site, the absence of detectable concentrations of petroleum hydrocarbons in groundwater samples collected from AEI boreholes SB-1 and SB-2 suggests that any releases from this offsite source have not impacted the west side of the subject site. Review of Figure 2 in Appendix C shows that 4,100 ug/L TPH-G and 52 ug/L benzene were detected in well MW-4 on January 11, 2012. A groundwater flow direction that is slightly more easterly than the groundwater flow direction shown in Appendix C Figure 2 or possible stratigraphically-controlled channelized flow could result in petroleum hydrocarbons associated with the 1721 Webster Street site impacting the eastern side of the subject site. However, the magnitude of the TPH-G groundwater concentrations associated with the 1721 Webster Street site are not consistent with the TPH-G groundwater concentration encountered in the AEI SB-3 boring of 59,000 ug/L.

Review of the Alameda County Local Oversight Program website also identified a fuel release site located approximately 250 feet to the south-southwest of the subject site at 1732, 1734, 1750 Webster Street (identified as 1750 Webster Street, see Figure 6). The northeasterly groundwater flow direction identified for the 1750 Webster Street site (located approximately 250 feet upgradient of the subject site) and the TPH-G groundwater concentration in groundwater monitoring well A-1 (the downgradient well located closest to the subject site) of up to 68,000 ug/L (consistent with the magnitude of TPH-G encountered in AEI borehole SB-3 on the east side of the subject site), in conjunction with the predominantly sandy subsurface materials encountered at and near the subject site suggest that the petroleum hydrocarbons encountered on the east side of the subject site could originate from the 1750 Webster Street site.

Groundwater was encountered in AEI boreholes SB-1 and SB-2 on the west side of the subject site at depths of 16 and 17 feet bgs, respectively, and in borehole SB-3 on the east side of the subject site at a depth of approximately 21 feet bgs. Groundwater was encountered in Schutze boreholes B1 and B2 at a depth of 14 feet bgs, and was encountered in P&D boreholes B5, B6 and B8 prior to groundwater sample collection was 16.7, 16.6 and 15.6 feet, respectively.

Review of all of the AEI and Schutze boring logs (Appendix A) shows that elevated PID values are encountered are most frequently at or near the water table, with the exception of SB-3, where elevated PID values extend to approximately five feet above the water table. The elevated PID values extending to five feet above the water table at SB-3 are consistent with the highest petroleum hydrocarbon concentrations detected in any of the borehole groundwater grab samples being at SB-3. The elevated PID values in the vicinity of the water table are interpreted to be associated with transport of petroleum hydrocarbons beneath the subject site in groundwater.

The presence of elevated PID values at SB-1 and SB-2 at the water table is not consistent with the absence of detectable concentrations of contaminants in the groundwater samples collected at these locations. Review of the AEI 2011 Phase II Subsurface Investigation Report shows that the groundwater samples at these locations were analyzed using EPA Method 8021, suggesting that the elevated PID values could be related to Volatile Organic Compounds that were not included in the list of reported EPA Method 8021 compounds.

Review of boring logs B1 through B8 and B11 through B14 (see Appendix A) shows that no evidence of staining or discoloration were encountered in any of the boreholes and that odor or elevated PID values were not encountered in any of the boreholes above the water table with the following exceptions:

- B7 where strong petroleum hydrocarbon and PID values ranging from 123 to 1022 ppm were encountered between the depths of 12.5 and 13.0 feet bgs,

- B8 where slight petroleum hydrocarbon odor and a PID value of 23 ppm were encountered between the depths of 10.5 and 13.0 feet bgs, and

- B14 where a moderate petroleum hydrocarbon odor and a PID value of 34 ppm were encountered between the depth of 15.0 feet bgs.

Review of the soil sample results in Tables 1 and 3 shows that petroleum hydrocarbons were not detected in any of the soil samples at concentrations exceeding their respective RWQCB December 2013 Environmental Screening Levels (ESLs) for commercial land use with the exception of the soil sample collected from borehole B7 at a depth of 13.0 feet bgs. Review of Tables 2 and 4 and Figures 3, 4 and 5 show that groundwater sample results at surrounding locations SB-1, B1, B5, B6, and B8 do not indicate a source for impact to groundwater at B7 of the same order of magnitude as observed at location SB-3 to the east of the subject site.

Based on the proximity and magnitude of impact to groundwater of the upgradient 1750 Webster Street site release relative to the elevated groundwater petroleum hydrocarbon concentrations encountered in borehole SB-3, and the absence of evidence of a historical release at the subject site that is the source for the petroleum hydrocarbons detected in groundwater at location SB-3, P&D recommends that no further investigation of the site be performed to determine if the subject site is the source for releases related to the petroleum hydrocarbons detected in groundwater at and near the subject site.

DISTRIBUTION

A copy of this report will be uploaded to the county ftp site and to GeoTracker.

LIMITATIONS

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

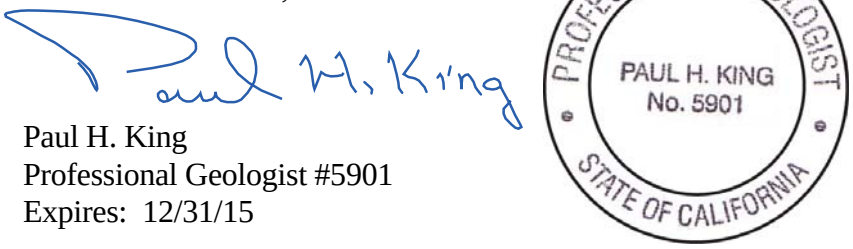
This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the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

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

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

Sincerely,

P&D Environmental, Inc.



Paul H. King
Professional Geologist #5901
Expires: 12/31/15

Attachments:

Table 1 - Summary of Historical Borehole Soil Sample Analytical Results
Table 2 - Summary of Historical Borehole Groundwater Sample Analytical Results
Table 3 - Summary of Current Investigation Borehole Soil Sample Analytical Results
Table 4 - Summary of Current Investigation Borehole Groundwater Sample Analytical Results

Figure 1 - Site Location Map Detail Showing Topographic Contours
Figure 2 - Site Plan Showing Borehole Locations
Figure 3 - Site Plan Showing TPH-G Concentrations in Groundwater
Figure 4 - Site Plan Showing TPH-D Concentrations in Groundwater
Figure 5 - Site Plan Showing Benzene Concentrations in Groundwater
Figure 6 - Site Vicinity Aerial Photograph Showing Nearby Sites with USTs

Appendix A - Soil Boring Logs
Appendix B - Subtronic Geophysical Survey Report
Appendix C - 1721 Webster Street Site Information and Offsite Geologic Cross Sections
Appendix D - 1732, 1734, and 1750 Webster Street Site Information
Appendix E - Laboratory Analytical Reports and Chain of Custody Documentation

PHK/mld/sjc
0590.R1

TABLES

Table 1
Summary of Historical Borehole Soil Sample Analytical Results

Sample ID	Sample Date	Sample Depth (feet)	TPH-G	TPH-K	TPH-D	TPH-HO	TPH-MO	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes
SB-1-16	7/20/2011	16.0	ND<1.0	NA	ND<1.0	NA	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-2-16	7/20/2011	16.0	ND<1.0	NA	7.7, c,d	NA	25, b,c	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-2-18	7/20/2011	18.0	ND<1.0	NA	ND<1.0	NA	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
SB-3-16	7/20/2011	16.0	8.3, a,b	NA	6.5, c	NA	ND<5.0	ND<0.05	ND<0.005	0.041	ND<0.005	0.04
SB-3-20	7/20/2011	20.0	42, a,b	NA	8.7, c,e	NA	ND<5.0	ND<0.50	ND<0.050	ND<0.050	0.06	0.12
B1-8'	8/22/2012	8.0	ND<1.0	6.0, c	5.0, c	ND<5.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B2-6'	8/22/2012	6.0	ND<1.0	1.9, c	1.8, c	ND<5.0	ND<5.0	ND<0.05	ND<0.005	ND<0.005	ND<0.005	0.012
LTCP[1]									0-5' = 1.9 5-10' = 2.8		0-5' = 21 5-10' = 32	
LTCP[2]									0-5' = 8.2 5-10' = 12 0-10' = 14		0-5' = 89 5-10' = 134 0-10' = 314	
ESL [1]			*100*	*100*	*100*	*100*	*100*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*
ESL [2]			*500*	*110*	*110*	*500*	*500*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*
ESL [3]			*500*	*110*	*110*	*500*	*500*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*
ESL [4]			*770*	*110*	*110*	*1,000*	*1,000*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-K = Total Petroleum Hydrocarbons as Kerosene
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-HO = Total Petroleum Hydrocarbons as Hydraulic Oil
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
MTBE = Methyl tertiary-butyl ether
ND = Not detected.
NA = Not analyzed.
a = Laboratory note: strongly aged gasoline or diesel range compounds are significant in the TPH-G chromatogram.
b = Laboratory note: no recognizable pattern.
c = Laboratory note: diesel range compounds are significant; no recognizable pattern.
d = Laboratory note: oil range compounds are significant.
e = Laboratory note: gasoline range compounds are significant.
LTCP[1] = Low Threat Closure Policy, by State Water Resources Control Board, effective August 17, 2012, from Table 1 - Concentrations of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health. Residential Land Use.
LTCP[2] = Low Threat Closure Policy, by State Water Resources Control Board, effective August 17, 2012, from Table 1 - Concentrations of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health. Commercial/Industrial Land Use and Utility Worker.
ESL[1] = 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 source. Residential Land Use.
ESL[2] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013 from Table A-2 – Shallow Soil Screening Levels, Groundwater is a current or potential drinking water source. Commercial/Industrial Land Use.
ESL[3] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013 from Table C-1 – Deep Soil Screening Levels, Groundwater is a current or potential drinking water source. Residential Land Use.
ESL[4] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013 from Table C-2 – Deep Soil Screening Levels, Groundwater is a current or potential drinking water source. Commercial/Industrial Land Use.
Results, LTCP criteria, and ESLs in milligrams per kilogram (mg/kg) unless otherwise specified.

Table 2
Summary of Historical Borehole Groundwater Sample Analytical Results

Sample ID	Sample Date	TPH-G	TPH-K	TPH-D	TPH-BO	TPH-HO	TPH-MO	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes	VOCs by EPA Method 8260 Other Than MTBE and Benzene
B30W	8/28/2008	ND<50	NA	780, c,d	3,700, c,d	NA	2,900, c,d	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	NA
SB-1-W	7/20/2011	ND<50	NA	ND<50	NA	NA	ND<250	ND<5.0	ND<0.5	0.50	ND<0.5	0.97	NA
SB-2-W	7/20/2011	ND<50	NA	ND<50	NA	NA	ND<250	ND<5.0	ND<0.5	ND<0.5	ND<0.5	1.0	NA
SB-3-W	7/20/2011	59,000, f	NA	200,000, e,f	NA	NA	ND<10,000	ND<250	*89*	82	*430*	1,600	NA
B1-18-W	8/22/2012	400	1,100, c,e	1,100, c,e	NA	ND<250	ND<250	NA	ND<0.5	ND<0.5	NA	NA	All ND, except Acetone = 21, MEK = 5.9, n-Butyl benzene = 10, 4-Isopropyl toluene = 1.2, 1,2,4-Trimethylbenzene = 9.7
B2-16.5-W	8/22/2012	6,000	4,900, e	3,800, e	NA	ND<250	ND<250	NA	ND<12	ND<12	NA	NA	All ND, except Naphthalene = *290*, n-Butyl benzene = 55, 1,2,4-Trimethylbenzene = 630
LTCP Groundwater-Specific Criteria	Scenario 2	No Value	No Value	No Value	No Value	No Value	No Value	1,000	3,000	No Value	No Value	No Value	No Value
	Scenario 4	No Value	No Value	No Value	No Value	No Value	No Value	1,000	1,000	No Value	No Value	No Value	No Value
ESL[1]		100	100	100	100	100	100	5.0	1.0	40	30	20	Acetone = 1,500, MEK=7,100, Naphthalene = 6.2
ESL[2]		No Value	No Value	No Value	No Value	No Value	No Value	9,900	27	No Value	310	No Value	MEK=23,000,000, Naphthalene = 160
ESL[3]		No Value	No Value	No Value	No Value	No Value	No Value	100,000	270	No Value	3,100	No Value	MEK=200,000,000, Naphthalene = 1,600

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-K = Total Petroleum Hydrocarbons as Kerosene
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil
TPH-HO = Total Petroleum Hydrocarbons as Hydraulic Oil
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil
MTBE = Methyl tertiary-butyl ether
VOCs = Volatile Organic Compounds
MEK = Methyl Ethyl Ketone (2-Butanone).
ND = Not detected.
NA = Not analyzed.
a = Laboratory note: strongly aged gasoline or diesel range compounds are significant in the TPH-G chromatogram.
b = Laboratory note: no recognizable pattern.
c = Laboratory note: diesel range compounds are significant; no recognizable pattern.
d = Laboratory note: oil range compounds are significant.
e = Laboratory note: gasoline range compounds are significant.
f = Laboratory note: lighter than water immiscible sheen/product present.
LTCP = Low Threat Closure Policy, developed by State Water Resources Control Board , effective August 17, 2012, from Groundwater Specific Criteria Scenarios 2 and 4.
ESL[1] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013, from Table F-1a – Groundwater Screening Levels, groundwater is a current or potential drinking water resource.
ESL[2] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013, from Table E-1 – Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion Fine-Coarse Mix. Residential Land Use.
ESL[3] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013, from Table E-1 – Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion Fine-Coarse Mix. Commercial/Industrial Land Use.
No ESL1 values for n-butlybenzene, 4-isopropyl toluene, and 1,2,4-Trimethylbenzene.
No ESL2 values for n-butlybenzene, 4-isopropyl toluene, 1,2,4-Trimethylbenzene, and Acetone.
No ESL3 values for n-butlybenzene, 4-isopropyl toluene, 1,2,4-Trimethylbenzene, and Acetone.
Values with underline exceed their respective ESL1 values.
Italicized values exceed their respective ESL2 values.
Results, LTCP criteria, and ESLs in micrograms per Liter (ug/L) unless otherwise specified.

Table 3
Summary of Current Investigation Borehole Soil Sample Analytical Results

Sample ID	Sample Date	Sample Depth (feet)	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA Method 8260B	SVOCs by EPA Method 8270C	Total Lead
B4-4.5	8/28/2013	4.5	ND<1.0	1.9, c	5.7, c	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B4-9.5	8/28/2013	9.5	ND<1.0	1.6, c,h	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B4-14.5	8/28/2013	14.5	ND<1.0	1.2, c,d	6.1, c,d	5.7, c,d	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	NA	ND<5.0
B5-5.0	10/2/2013	5.0	ND<1.0	1.5, c,d	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B5-9.5	10/2/2013	9.5	ND<1.0	ND<4.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B5-14.5	10/2/2013	14.5	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND, except Naphthalene = 0.015, n-Butyl benzene = 0.0066, 1,2,4-Trimethylbenzene = 0.0068	NA	ND<5.0
B6-5.0	10/2/2013	5.0	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B6-9.5	10/2/2013	9.5	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B6-14.5	10/2/2013	14.5	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	NA	5.1
B7-5.0	10/9/2013	5.0	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B7-9.5	10/9/2013	9.5	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B7-13.0	10/9/2013	13.0	500, g	*1,200, e*	1,200, e	ND<10	ND<2.0	ND<2.0	ND<2.0	*5.7*	*43*	All ND, except Naphthalene = *18*, n-Butyl benzene = 18, 1,2,4-Trimethylbenzene = 59, 1,3,5-Trimethylbenzene = 22, Isopropylbenzene = 2.2, 4-Isopropyl toluene = 3.8, n-Propyl benzene = 9.9	All ND, except Naphthalene = *21*, 2-Methylnaphthalene = *8.9*	11
B8-5.0	10/2/2013	5.0	ND<1.0	1.5, c,d	7.3, c,d	8.6, c,d	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B8-9.5	10/2/2013	9.5	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B8-14.5	10/2/2013	14.5	ND<1.0	2.2, f	7.1, f	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	NA	ND<5.0
B11-5.0	10/9/2013	5.0	ND<1.0	3.3, c,d	42, c,d	44, c,d	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND, except Butylbenzyl Phthalate = 10	ND<5.0
B11-9.5	10/9/2013	9.5	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B11-14.5	10/9/2013	14.5	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B13-5.0	10/2/2013	5.0	ND<1.0	1.6, f	24, f	30, f	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND, except Butylbenzyl Phthalate = 9.3	**180**
B13-9.5	10/2/2013	9.5	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B14-5.0	10/9/2013	5.0	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B14-9.5	10/9/2013	9.5	ND<1.0	ND<1.0	ND<5.0	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	All ND	All ND	ND<5.0
B14-14.5	10/9/2013	14.5	4.1, g	4.3, e	6.1, e	ND<5.0	ND<0.0050	ND<0.0050	ND<0.0050	0.024	0.14	All ND, except Naphthalene = 0.11, n-Butyl benzene = 0.023, 1,2,4-Trimethylbenzene = 0.21, 1,3,5-Trimethylbenzene = 0.064, 4-Isopropyl toluene = 0.0057, n-Propyl benzene = 0.024	All ND, except Naphthalene = 0.46, Butylbenzyl Phthalate = 0.32	6.2

Table 3
Summary of Current Investigation Borehole Soil Sample Analytical Results

Sample ID	Sample Date	Sample Depth (feet)	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA Method 8260B	SVOCs by EPA Method 8270C	Total Lead
LTCP[1]								0-5' = 1.9 5-10' = 2.8		0-5' = 21 5-10' = 32		0-5' Naphthalene = 9.7 5-10' Naphthalene = 9.7	0-5' PAH = 0.063 based on BaP toxicity	
LTCP[2]								0-5' = 8.2 5-10' = 12 0-10' = 14		0-5' = 89 5-10' = 134 0-10' = 314		0-5' Naphthalene = 45 5-10' Naphthalene = 45 0-10' Naphthalene = 219	0-5' PAH = 0.68 0-10' PAH = 219	
ESL [1]			*100*	*100*	*100*	*100*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*	*Naphthalene = 1.2,*	*Naphthalene = 1.2, 2-Methylnaphthalene = 0.25,*	*80*
ESL [2]			*500*	*110*	*500*	*500*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*	*Naphthalene = 1.2,*	*Naphthalene = 1.2, 2-Methylnaphthalene = 0.25,*	*320*
ESL [3]			*500*	*110*	*500*	*500*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*	*Naphthalene = 1.2,*	*Naphthalene = 1.2, 2-Methylnaphthalene = 0.25,*	*80*
ESL [4]			*770*	*110*	*1,000*	*1,000*	*0.023*	*0.044*	*2.9*	*3.3*	*2.3*	*Naphthalene = 1.2,*	*Naphthalene = 1.2, 2-Methylnaphthalene = 0.25,*	*320*

NOTES
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.
MTBE = Methyl-tert-Butyl Ether
VOCs = Volatile Organic Compounds.
SVOCs = Semi-Volatile Organic Compounds.
ND = Not Detected.
NA = Not Analyzed.
a = Laboratory note: strongly aged gasoline or diesel range compounds are significant in the TPH-G chromatogram.
b = Laboratory note: no recognizable pattern.
c = Laboratory note: diesel range compounds are significant; no recognizable pattern.
d = Laboratory note: oil range compounds are significant.
e = Laboratory note: gasoline range compounds are significant.
f = Laboratory note: Stoddard solvent/mineral spirit (?).
g = Laboratory note: heavier gasoline range compounds are significant (aged gasoline?).
h = Laboratory note: one to a few isolated peaks present in the TPH-D/TPH-MO chromatogram..
LTCP[1] = Low Threat Closure Policy, by State Water Resources Control Board, effective August 17, 2012, from Table 1 - Concentrations of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health. Residential Land Use.
LTCP[2] = Low Threat Closure Policy, by State Water Resources Control Board, effective August 17, 2012, from Table 1 - Concentrations of Petroleum Constituents in Soil That Will Have No Significant Risk of Adversely Affecting Human Health. Commercial/Industrial Land Use and Utility Worker.
ESL [1] = 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.
ESL [2] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013, from Table A-2 – Shallow Soil Screening Levels, Groundwater is a current or potential drinking water resource. Commercial/Industrial Land Use.
ESL [3] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013, from Table C-1 – Deep Soil Screening Levels, Groundwater is a current or potential drinking water resource. Residential Land Use.
ESL [4] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013, from Table C-2 – Deep Soil Screening Levels, Groundwater is a current or potential drinking water resource. Commercial/Industrial Land Use.
No ESL[1] values for n-butlybenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Isopropylbenzene, 4-isopropyl toluene, and n-Propyl benzene, or Butylbenzyl Phthalate.
No ESL[2] values for n-butlybenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Isopropylbenzene, 4-isopropyl toluene, and n-Propyl benzene, or Butylbenzyl Phthalate.
No ESL[3] values for n-butlybenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Isopropylbenzene, 4-isopropyl toluene, and n-Propyl benzene, or Butylbenzyl Phthalate.
Hi-lighted depths are less than 5.0 feet.
Results in bold indicate a concentration equal or exceeding the respective ESL[1] value.
Underlined results indicate a concentration equal or exceeding the respective ESL value.
Italicized results indicate a concentration equal or exceeding the respective ESL[4] value.
Results and ESLs reported in milligrams per kilogram (mg/kg) unless otherwise indicated.

Table 4
Summary of Current Investigation Borehole Groundwater Sample Analytical Results

Sample ID	Sample Date	TPH-G	TPH-D	TPH-BO	TPH-MO	MTBE	Benzene	Toluene	Ethylbenzene	Total Xylenes	Other VOCs by EPA 8260	Total Lead
B5-W	10/2/2013	650	550, f	620, f	ND<250	ND<0.50	ND<0.50	ND<0.50	14	19	ND, except Naphthalene = 11, Bromodichloromethane = 0.77, Chloroform = 23, n-Butyl benzene = 9.8 sec-Butyl benzene = 1.7, Isopropylbenzene = 1.7, n-Propyl benzene = 7.3, 1,2,4-Trimethylbenzene = 32, 1,3,5-Trimethylbenzene = 8.8	NR
B6-W	10/2/2013	ND<50	ND<50	ND<100	ND<250	ND<0.50	ND<0.50	0.56	ND<0.50	ND<0.50	ND, except PCE = 1.6	NR
B8-W	10/2/2013	ND<50	ND<50	ND<100	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	All ND	NR
LTCP Groundwater-Specific Criteria	Scenario 2	No Value	No Value	No Value	No Value	1,000	3,000	No Value	No Value	No Value	No Value	No Value
	Scenario 4	No Value	No Value	No Value	No Value	1,000	1,000	No Value	No Value	No Value	No Value	No Value
ESL[1]		100	100	100	100	5.0	1.0	40	30	20	Naphthalene = 6.2, Bromodichloromethane = 100, Chloroform = 70, PCE = 5.0,	2.5
ESL[2]		No Value	No Value	No Value	No Value	9,900	27	95,000	310	37,000	Naphthalene = 160, Chloroform = 170, PCE = 63,	No Value
ESL[3]		No Value	No Value	No Value	No Value	100,000	270	No Value	3,100	No Value	Naphthalene = 1,600, Chloroform = 1,700, PCE = 640,	No Value

NOTES:
TPH-G = Total Petroleum Hydrocarbons as Gasoline.
TPH-D = Total Petroleum Hydrocarbons as Diesel.
TPH-BO = Total Petroleum Hydrocarbons as Bunker Oil.
TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.
MTBE = Methyl-tert-Butyl Ether.
VOCs = Volatile Organic Compounds.
PCE = Tetrachloroethene.
ND = Not Detected.
NR = Not Representative. The samples were preserved at the laboratory prior to filtration, resulting in non-representative results that included metals solubilized from sediments in the samples.
f = Laboratory note: gasoline range compounds are significant.
LTCP = Low Threat Closure Policy, developed by State Water Resources Control Board , effective August 17, 2012, from Groundwater Specific Criteria Scenarios 2 and 4.
ESL [1] =Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013, from Table F-1a – Groundwater Screening Levels, groundwater is a current or potential drinking water resource.
ESL [2] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013, from Table E-1 – Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion (Fine-Coarse Mix). Residential Land Use.
ESL [3] = Environmental Screening Level, by San Francisco Bay – Regional Water Quality Control Board, updated December 2013, from Table E-1 – Groundwater Screening Levels for Evaluation of Potential Vapor Intrusion (Fine-Coarse Mix). Commercial/Industrial Land Use.
No ESL1 values for n-butlybenzene, sec-Butyl benzene, Isopropylbenzene, n-Propyl benzene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene.
No ESL2 values for Bromodichloromethane, Lead, n-butlybenzene, sec-Butyl benzene, Isopropylbenzene, n-Propyl benzene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene.
No ESL3 values for Bromodichloromethane, Lead, n-butlybenzene, sec-Butyl benzene, Isopropylbenzene, n-Propyl benzene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene.
Values with underline exceed their respective ESL1 values.
Results and ESLs reported in micrograms per liter (µg/L) unless otherwise indicated.

FIGURES

Figure 1
Site Location Map Detail Showing Topographic Contours
1900 Webster Street
Oakland, California

Base Map From: U.S. Geological Survey Oakland West, California 7.5-minute Quadrangle Photorevised 1993	P&D Environmental, Inc. 55 Santa Clara Avenue,Suite 240 Oakland, CA 94610	0 350 700 Approximate Scale in Feet N

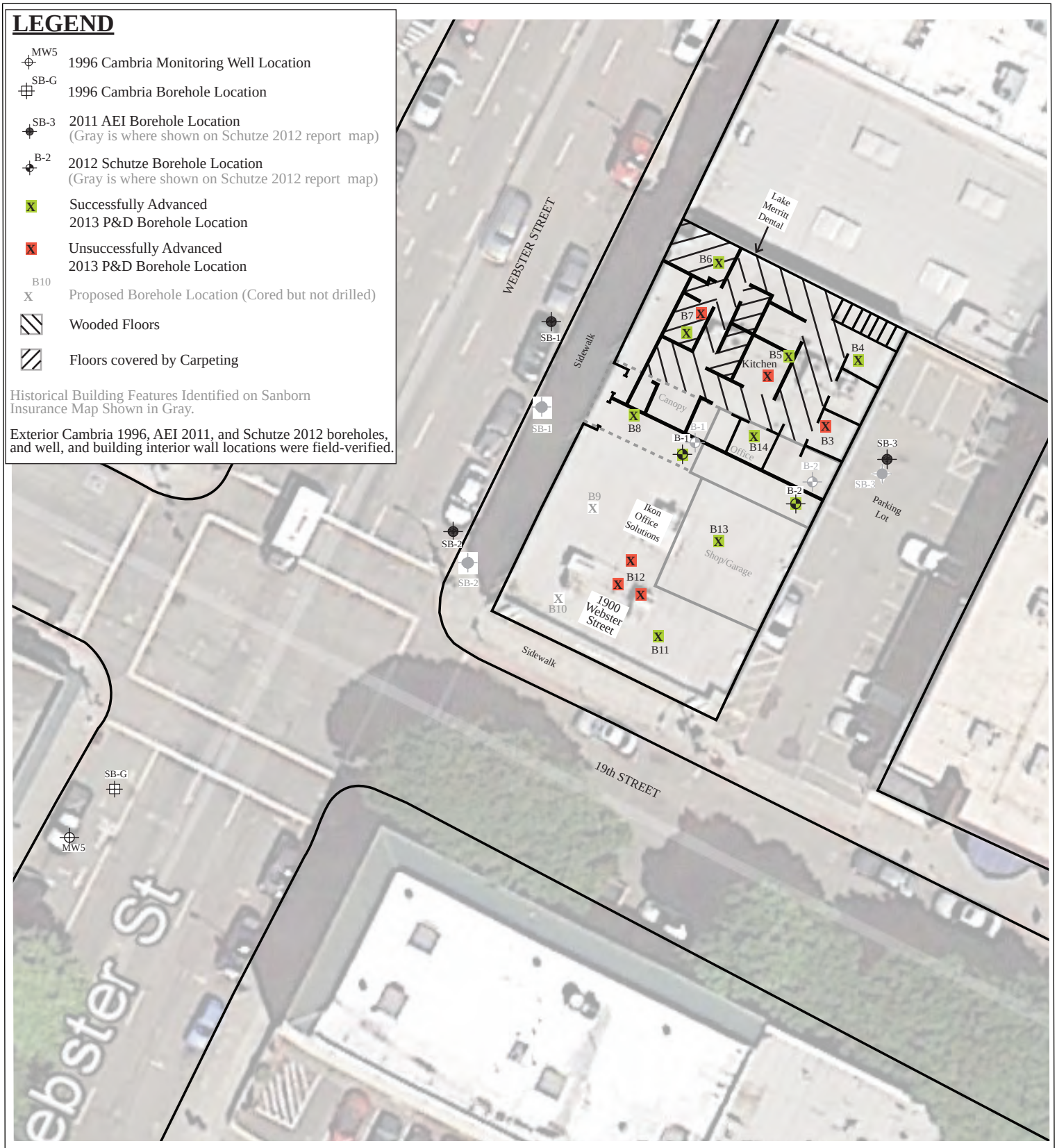


Figure 2
Site Plan Showing Borehole Locations
1900 Webster Street
Oakland, California

Base Map From:
Google Earth, 8/28/2012,
AEI Consultants & Engineering Services, 8/8/2011,
Schutze & Associates, Inc., 9/18/2012,
and P&D Environmental, Inc. Using a Steel Tape and a Rolatape 3/14/13

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

0 15 30
Approximate Scale in Feet

N

Figure 3
Site Plan Showing TPH-G Concentrations in Groundwater
1900 Webster Street
Oakland, California

Base Map From:
Google Earth, 8/28/2012,
AEI Consultants & Engineering Services, 8/8/2011,
Schutze & Associates, Inc., 9/18/2012,
and P&D Environmental, Inc. Using a Steel Tape and a Rolatape 3/14/13

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

0 15 30
Approximate Scale in Feet

N

Figure 4
Site Plan Showing TPH-D Concentrations in Groundwater
1900 Webster Street
Oakland, California

Base Map From:
Google Earth, 8/28/2012,
AEI Consultants & Engineering Services, 8/8/2011,
Schutze & Associates, Inc., 9/18/2012,
and P&D Environmental, Inc. Using a Steel Tape and a Rolatape 3/14/13

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

0 15 30
Approximate Scale in Feet

N

Figure 5
Site Plan Showing Benzene Concentrations in Groundwater
1900 Webster Street
Oakland, California

Base Map From:
Google Earth, 8/28/2012,
AEI Consultants & Engineering Services, 8/8/2011,
Schutze & Associates, Inc., 9/18/2012,
and P&D Environmental, Inc. Using a Steel Tape and a Rolatape 3/14/13

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

0 15 30
Approximate Scale in Feet

N

Figure 6
Site Vicinity Aerial Photograph Showing Nearby Sites with USTs
1900 Webster Street
Oakland, California

Base Map From: Google Earth, Image dated August 2012	P&D Environmental, Inc. 55 Santa Clara Avenue,Suite 240 Oakland, CA 94610	0 50 100 Approximate Scale in Feet N

APPENDIX A

Soil Boring Logs

- **AEI SB-1, SB-2, and SB-3**
- **Schutze B1 and B2**
- **P&D B4 through B8, and B11 through B14**

AEI SB-1, SB-2, AND SB-3

Project: Pacific Health Clinic
Project Location: 1900 Webster Street, Oakland, CA 94612
Project Number: 297305

Key to Log of Boring

Sheet 1 of 1

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	PID Reading, ppm	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7	8	9	10

COLUMN DESCRIPTIONS

1. Elevation (feet): Elevation (MSL, feet).
2. Depth (feet): Depth in feet below the ground surface.
3. Sample Type: Type of soil sample collected at the depth interval shown.
4. Sample Number: Sample identification number.
5. PID Reading, ppm: The reading from a photo-ionization detector, in parts per million.
6. USCS Symbol: USCS symbol of the subsurface material.
7. Graphic Log: Graphic depiction of the subsurface material encountered.
8. MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
9. Well Log: Graphical representation of well installed upon completion of drilling and sampling.
10. REMARKS AND OTHER TESTS: Comments and observations regarding drilling or sampling made by driller or field personnel.

FIELD AND LABORATORY TEST ABBREVIATIONS

CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

TYPICAL MATERIAL GRAPHIC SYMBOLS

- Bentonite
- Bentonite chips
- Bentonite powder
- Fat CLAY, CLAY w/SAND, SANDY CLAY (CH)
- Fat CLAY/SILT (CH-MH)
- Lean CLAY, CLAY w/SAND, SANDY CLAY (CL)
- Claystone
- Lean-Fat CLAY, CLAY w/SAND, SANDY CLAY
- Cuttings
- Lean CLAY/PEAT (CL-OL)
- AF
- Clayey GRAVEL (GC)
- SILTY CLAY (CL-ML)
- Boulders
- Clayey GRAVEL to Gravelly CLAY (GC-CH)
- Clayey GRAVEL to Gravelly CLAY (GC-CL)
- Silty GRAVEL (GM)
- Silty GRAVEL to Clayey GRAVEL (GM-GC)
- Silty GRAVEL to Gravelly SILT (GM-MH)
- Silty GRAVEL to Gravelly SILT (GM-ML)
- Poorly graded GRAVEL with Silt (GP-GM)
- Granite
- Gravel
- Grout
- Well graded GRAVEL (GW)
- Well graded GRAVEL with Silt (GW-GM)
- Poorly to Well graded GRAVEL (GW-GP)
- Poorly graded GRAVEL (GP)
- Artificial Fill
- SILT, SILT w/SAND, SANDY SILT (MH)
- SILT, SILT with SAND, SANDY SILT (ML-MH)
- High plasticity PEAT (OH)
- Low plasticity PEAT (OL)
- Low to High plasticity PEAT (OL-OH)
- Sandstone
- Clayey SAND (SC)
- Clayey SAND to Sandy CLAY (SC-CH)
- Clayey SAND to Sandy CLAY (SC-CL)
- Shale
- Silt
- Siltstone
- Silty SAND (SM)
- Silty SAND to Sandy SILT (SM-MH)
- Silty SAND to Sandy SILT (SM-ML)
- Silty to Clayey SAND (SM-SC)
- Poorly graded SAND (SP)
- Poorly graded SAND with Clay (SP-SC)
- Well graded SAND (SW)
- Well graded SAND with Clay (SW-SC)
- Well graded SAND with Silt (SW-SM)
- SILT, SILT w/SAND, SANDY SILT (ML)
- Bentonite plug
- Asphaltic Concrete (AC)
- Poorly graded SAND with Silt (SP-SM)
- Black Rock - fine grained, exhibiting a bedding
- Gray rock, large grain size

TYPICAL SAMPLER GRAPHIC SYMBOLS

- Shelby Tube (Thin-walled, fixed head)
- Shelby Tube (Thin-walled, fixed head)
- Bulk Sample
- 3-inch-OD California w/ brass rings
- Other sampler now modified
- Auger sampler
- CME Sampler
- 2-inch-OD unlined split spoon (SPT)
- 2.5-inch-OD Modified California w/ brass liners
- Grab Sample
- Pitcher Sample

OTHER GRAPHIC SYMBOLS

- Water level (at time of drilling, ATD)
- Water level (after waiting a given time)
- Minor change in material properties within a stratum
- Inferred or gradational contact between strata
- ?—? Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.

2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

Project: Pacific Health Clinic
Project Location: 1900 Webster Street, Oakland, CA 94612
Project Number: 297305

Log of Boring SB-1

Sheet 1 of 1

Date(s) Drilled July 20, 2011	**Logged By** Harmony TomSun	**Checked By** Peter McIntyre
Drilling Method Direct Push	**Drill Bit Size/Type**	**Total Depth of Borehole** 20 feet bgs
Drill Rig Type GeoProbe	**Drilling Contractor** RSI Drilling	**Approximate Surface Elevation**
Groundwater Level and Date Measured 15.93 feet ATD	**Sampling Method(s)** Tube	**Hammer Data**
Borehole Backfill Neat Cement	**Location**	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	PID Reading, ppm	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
	0				SM		Silty sand, dark brown 3/3 7.5YR, fine to medium grained sand, moderately loose, <10% fine grained gravel		
	5				SM		Sand, light yellowish brown 6/4 10YR, fine grained sand, <10% very fine grained gravel, moderately loose		
		☒	SB-1-7	2.7	SM		fine to medium grained sand		
	10				SC		Clayey sand, light brownish gray 6/2 10YR, fine grained sand, cohesive, moist		
		☒	SB-1-12	5.3			poorly graded medium grained sand		
	15				ML		Clayey silt, dark greenish gray 4/1 5G, cohesive, slight plasticity, moist to wet		
		☒	SB-1-16	122.1			▽		
	20	☒	SB-1-20	36.3			Bottom of Boring at 20 feet bgs		
	25								
	30								

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Project: Pacific Health Clinic
Project Location: 1900 Webster Street, Oakland, CA 94612
Project Number: 297305

Log of Boring SB-2

Sheet 1 of 1

Date(s) Drilled July 20, 2011	**Logged By** Harmony TomSun	**Checked By** Peter McIntyre
Drilling Method Direct Push	**Drill Bit Size/Type**	**Total Depth of Borehole** 20 feet bgs
Drill Rig Type GeoProbe	**Drilling Contractor** RSI Drilling	**Approximate Surface Elevation**
Groundwater Level and Date Measured 17.14 feet ATD	**Sampling Method(s)** Tube	**Hammer Data**
Borehole Backfill Neat Cement	**Location**	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	PID Reading, ppm	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
	0				SM		Silty sand, dark reddish brown 3/3 5YR, fine to medium grained sand, moderately loose, <10% fine grained gravel		
	5				SM		Sand, yellowish brown 5/8 10YR, fine grained sand, <10% very fine grained gravel, poorly graded sand and gravel, moderately loose		
			SB-2-8	<1	SM		Sand, yellowish brown 5/4 10YR, medium grained, <20% clay, friable		
	10		SB-2-11	<1	SM		Sand, reddish yellow 7/8 5YR, very fine to fine grained sand, <20% silt, poorly graded, hard, friable		
					SM		poorly graded medium grained sand		
	15		SB-2-16	83.4	ML		Clayey silt, light yellowish brown 6/4 10YR mottled dark greenish gray 4/1 5G, cohesive, slight plasticity, moist to wet		
			SB-2-18	245.3					
	20		SB-2-20	7.2			Bottom of Boring at 20 feet bgs		
	25								
	30								

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Project: Pacific Health Clinic
Project Location: 1900 Webster Street, Oakland, CA 94612
Project Number: 297305

Log of Boring SB-3

Sheet 1 of 1

Date(s) Drilled July 20, 2011	**Logged By** Harmony TomSun	**Checked By** Peter McIntyre
Drilling Method Direct Push	**Drill Bit Size/Type**	**Total Depth of Borehole** 24 feet bgs
Drill Rig Type GeoProbe	**Drilling Contractor** RSI Drilling	**Approximate Surface Elevation**
Groundwater Level and Date Measured 21.36 feet ATD	**Sampling Method(s)** Tube	**Hammer Data**
Borehole Backfill Neat Cement	**Location**	

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	PID Reading, ppm	USCS Symbol	Graphic Log	MATERIAL DESCRIPTION	Well Log	REMARKS AND OTHER TESTS
	0				SM		Silty sand, dark brown 3/3 7.5YR mottled yellowish red 5/8 5YR, fine to medium grained sand, <10% fine grained gravel, tight, no plasticity		
			SB-3-4	<1					
	5				SM		Sand, yellowish red 4/6 5YR, fine to medium grained sand, <10% very fine grained gravel, poorly graded sand and gravel, friable		
			SB-3-8	<1	SM		Silty sand, light brown 6/3 7.5YR, medium grained, friable		
	10								
			SB-3-12	9.4	SC		Clayey sand, light yellowish brown 6/4 10YR, very fine to fine grained sand, <10% silt, moderate plasticity		
	15				ML		Clayey silt, grayish green 5/2 5G, <10% fine grained sand, tight, slight platsicity, moist		
			SB-3-16	57.8					
					ML		Clayey silt, light yellowish brown 6/4 10YR mottled dark greenish gray 4/1 5G, cohesive, slight plasticity, moist to wet		
	20		SB-3-20	63.1					
			SB-3-24	3.2					
	25						Bottom of Boring at 24 feet bgs		
	30								

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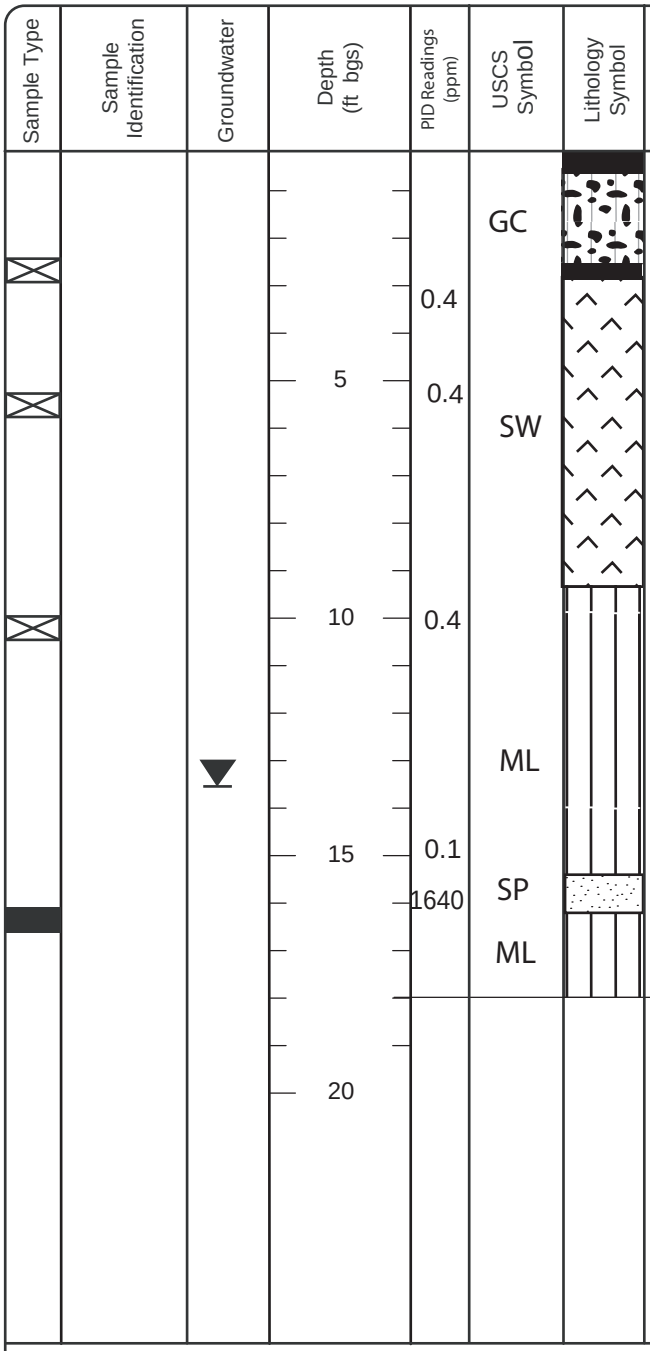
SCHUTZE B1 AND B2

SCHUTZE & Associates

SOIL BORING LOG

Driller/Rig: ECA/Direct Push	Date Drilled: 8/22/2012	Logged by: JS
Diameter: 2" Boring	Boring Number: B1	



Boring Log
1900 Webster Street
Oakland, California

Notes: Groundwater confined depth to groundwater ~13.5 ft bgs subsequent to sampling;
Backfilled with portland neat cement using a tremie pipe, capped surface with quick-drying cement;
Highest PID reading: 1640 ppm;
No visual contamination, strong gasoline smell.

groundwater sample ▼ first encountered water (ft bgs)

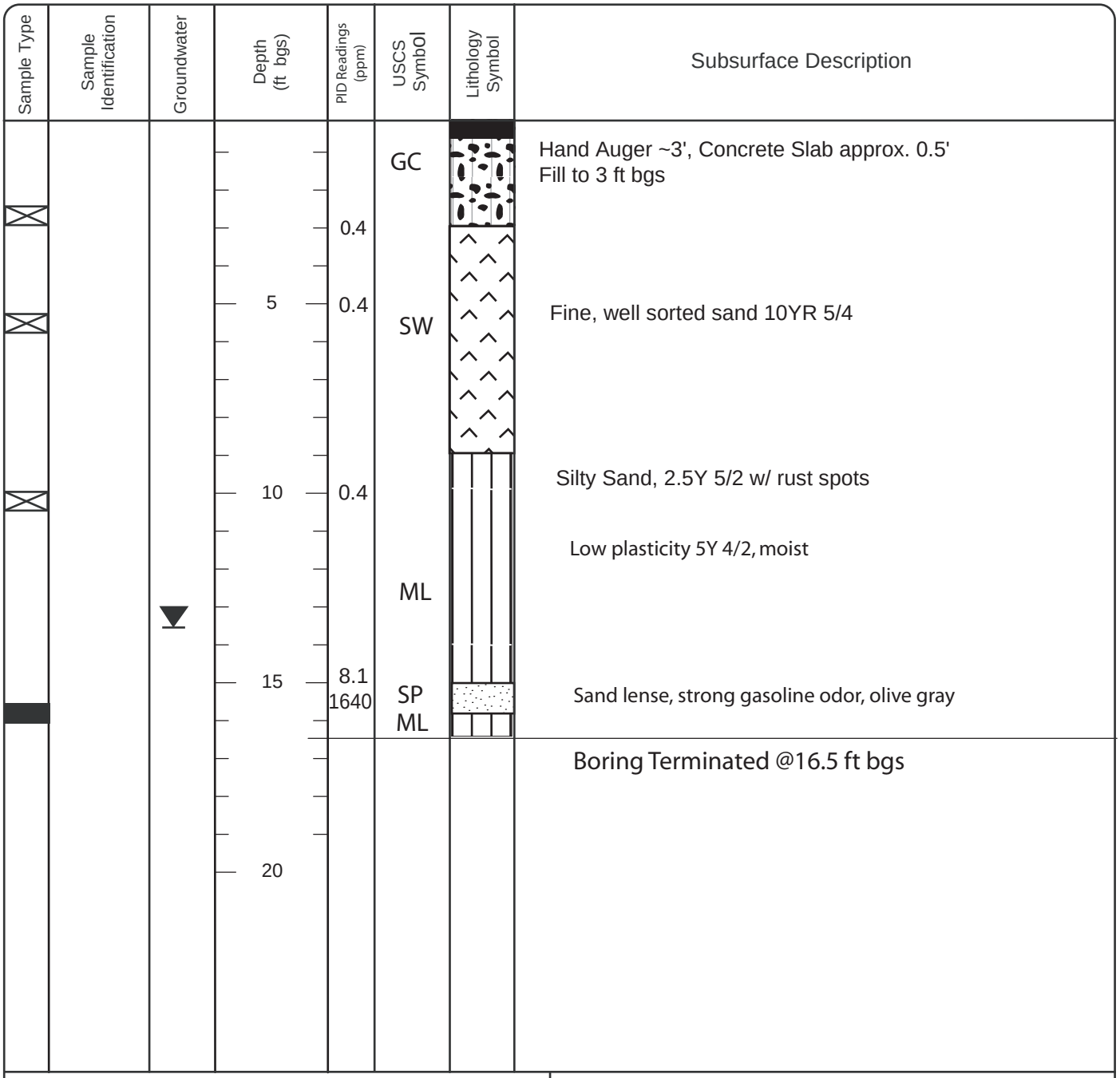
soil sample ft bgs = feet below ground surface

SCHUTZE & Associates, Inc. Project No. SCS448

SCHUTZE & Associates

SOIL BORING LOG

Driller/Rig: ECA/Direct Push	Date Drilled: 8/22/2012	Logged by: JS
Diameter: 2" Boring	Boring Number: B2	



Boring Log
1900 Webster Street
Oakland, California

Notes: Groundwater confined, depth to groundwater ~13.5 ft bgs subsequent to sampling;
Backfilled with portland neat cement using a tremie pipe, capped surface with quick-drying cement;
Highest PID reading: 1640 ppm;
No visual contamination, strong gasoline smell.

groundwater sample | first encountered water (ft bgs)
soil sample | ft bgs = feet below ground surface

SCHUTZE & Associates, Inc. Project No. SCS448

P&D B4 THROUGH B8, AND B11 THROUGH B14

P&D ENVIRONMENTAL, INC.

BORING NO.: B4	PROJECT NO.: 0590	PROJECT NAME: 1900 Webster Street, Oakland	
BORING LOCATION: Approximately 7 ft. west of east wall and 11 ft. south of north wall of dental office		ELEVATION AND DATUM: None	
DRILLING AGENCY: Vironex, Inc.	DRILLER: Scott	DATE & TIME STARTED: 8/28/13 0830	DATE & TIME FINISHED: 8/28/13 1530
DRILLING EQUIPMENT: Badger			
COMPLETION DEPTH: 20.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLBD	CHECKED BY:
FIRST WATER DEPTH: 18.0 Feet	NO. OF SAMPLES: 4 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	BLOW COUNT PER 6"	WELL CONSTRUCTION LOG	PID	REMARKS
	0.0 to 0.5 ft. Concrete and base rock.			No Well Constructed		Borehole hand augered from 0.0 to 4.0 ft. using a 3.5-inch O.D. hand auger. Borehole continuously cored from 4.0 to 20.0 ft. using a 3.0-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler containing a 1.5-inch O.D. transparent PVC tube.
	0.5 to 2.5 ft. Dark brown silty sand (SM); medium dense, moist, with few coarse angular gravel to 0.25-inch diameter. No Petroleum Hydrocarbon (PHC) odor. (10,70,20)				0	
5	2.5 to 10.0 ft. Light brown silty sand (SM); medium dense, moist, with fine to medium sand, and orange mottling. No PHC odor. (0,80,20)	SM		B4-4.5	9.2	4.0 to 7.0 ft. 2.8 ft. recovery 7.0 to 10.0 ft. 2.8 ft. recovery 10.0 to 13.0 ft. 2.8 ft. recovery 13.0 to 14.5 ft. 1.3 ft. recovery 14.5 to 15.0 ft. 0.5 ft. recovery 15.0 to 18.0 ft. 2.8 ft. recovery 18.0 to 20.0 ft. 1.8 ft. recovery
					0	
					0	Expansive clays.
10				B4-9.5	0	Water encountered during drilling at 18.0 ft. at 1025 on 8/28/13. Temporary 1.0-inch diameter slotted PVC casing placed in borehole. Borehole was dry at 1105 and at 1630.
	10.0 to 14.5 ft. Light grayish-brown clayey fine sand (SC); medium dense, moist, with orange mottling. No PHC odor. (0,75,25)	SC			0	Borehole terminated at 20.0 ft. on 8/28/13. Borehole grouted on 8/28/13 using neat cement and a tremie pipe.
15	14.5 to 15.0 ft. Olive-gray clayey silt (ML); stiff, moist,with orange mottling. No PHC odor. (0,0,10)	ML		B4-14.5		Mr. Steve Miller with Alameda County Public Works Agency on site to observe and document grouting of the borehole.
	15.0 to 18.5 ft. Brown clayey fine sand (SC); dense, moist to wet, with orange mottling. Slight PHC odor. (0,80,20) Bluish-gray staining from 17.5 ft. to 18.5 ft. Wet at 17.5 ft. Saturated at 18.0 ft.	SC		▽	4.2	
	18.5 to 20.0 ft. Olive-gray clayey silt (ML); medium stiff, wet, with bluish-gray mottling. No PHC odor. (0,0,100)	ML				
20				B4-19.5	0	
25						Drilling Notes: 1) Field estimates of percent gravel, sand, and fines are shown in parentheses. 2) Density determinations are qualitative and are not based on quantitative evaluation.
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B5	PROJECT NO.: 0590	PROJECT NAME: 1900 Webster Street, Oakland	
BORING LOCATION: Approximately 11 ft. north and 9 ft. east of southwest corner of kitchen		ELEVATION AND DATUM: None	
DRILLING AGENCY: IMX, Inc. and Vironex, Inc.	DRILLER: Omar, Joel	DATE & TIME STARTED: 9/25/13 1045	DATE & TIME FINISHED: 10/02/13 1400
DRILLING EQUIPMENT: 3.5-inch O.D. hand auger and Badger			
COMPLETION DEPTH: 19.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLBD	CHECKED BY: PMK
FIRST WATER DEPTH: 18.0 Feet	NO. OF SAMPLES: 4 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	BLOW COUNT PER 6"	WELL CONSTRUCTION LOG	PID	REMARKS
	0.0 to 0.5 ft. Concrete and base rock.			No Well Constructed		On 9/25/13 borehole hand augered from 0.0 to 5.0 ft. using a 3.5-inch O.D. hand auger. On 10/2/13 borehole continuously cored from 5.0 to 19.0 ft. using a 3.0-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler containing a 1.5-inch O.D. transparent PVC tube.
	0.5 to 9.0 ft. Dark brown silty sand (SM); medium dense, moist, with few coarse angular gravel to 0.25-inch diameter. No Petroleum Hydrocarbon (PHC) odor. (10,70,20)	SM			0	
5		X		B5-5.0	0	5.0 to 8.0 ft. 2.8 ft. recovery 8.0 to 11.0 ft. 2.8 ft. recovery 11.0 to 14.0 ft. 2.8 ft. recovery 14.0 to 17.0 ft. 2.8 ft. recovery 17.0 to 19.0 ft. 1.0 ft. recovery
					0	Expansive clays. Drilling refusal at 19.0 ft. depth.
	9.0 to 10.5 ft. Grayish-brown sandy clay (CL); medium stiff, moist, with fine sand, and orange mottling. No PHC odor. (0,20,80)	X CL		B5-9.5		Water encountered during drilling at 18.0 ft. at 1125 on 10/2/13. Temporary 1.0-inch diameter slotted PVC casing placed in borehole. Water level measured at 16.7 ft. at 1135, and at 16.7 ft. at 1145.
10	10.5 to 12.0 ft. Light grayish-brown clayey sand (SC); medium dense, moist, with orange mottling. No PHC odor. (0,75,25)	SC			0	
	12.0 to 13.0 ft. Olive-brown silty sand (SM); medium dense, moist, with fine sand and orange mottling. No PHC odor. (0,80,20)	SM				
	13.0 to 15.0 ft. Olive-gray clayey sand (SC); medium dense, moist, with orange mottling. No PHC odor. (0,80,20)	SC			0	Approximately 0.2-gallon purged from borehole prior to groundwater sample collection using new unused disposable polyethylene tubing attached to a peristaltic pump.
15		X		B5-14.5		
	15.0 to 15.5 ft. Grayish-brown fine sand (SP); medium dense, moist. No PHC odor. (0,95,5)	SP				
	15.5 to 18.0 ft. Grayish-brown clayey fine sand (SC); medium dense, moist to wet, with orange mottling. No PHC odor. (0,80,20) Wet at 17.5 ft. Saturated at 18.0 ft.	SC		▼	0.4	Water sample B5-W collected at 1200; moderate PHC odor and no sheen on sample.
	18.0 to 19.0 ft. Bluish-gray silty fine sand (SM); medium dense, saturated. Strong PHC odor. (0,85,15)	X SM		▽ B5-18.5	93	Water level subsequently measured at 17.9 ft.
20						Borehole terminated at 19.0 ft. on 10/2/13. Borehole grouted on 10/2/13 using neat cement and a tremie pipe. Mr. Steve Miller with Alameda County Public Works Agency gave verbal authorization to grout borehole without his presence.
25						Drilling Notes: 1) Field estimates of percent gravel, sand, and fines are shown in parentheses. 2) Density determinations are qualitative and are not based on quantitative evaluation.
30						

P&D ENVIRONMENTAL, INC.

BORING NO.: B6	PROJECT NO.: 0590	PROJECT NAME: 1900 Webster Street, Oakland	
BORING LOCATION: Approximately 5 ft. south and 3 ft. west of northeast corner of office		ELEVATION AND DATUM: None	
DRILLING AGENCY: IMX, Inc. and Vironex, Inc.	DRILLER: Omar, Joel	DATE & TIME STARTED: 9/25/13 1200	DATE & TIME FINISHED: 10/02/13 1400
DRILLING EQUIPMENT: 3.5-inch O.D. hand auger and Badger			
COMPLETION DEPTH: 20.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLBD	CHECKED BY: TMK
FIRST WATER DEPTH: 17.5 Feet	NO. OF SAMPLES: 4 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	BLOW COUNT PER 6"	WELL CONSTRUCTION LOG	PID	REMARKS
	0.0 to 0.5 ft. Concrete and base rock.			No Well Constructed		On 9/25/13 borehole hand augered from 0.0 to 5.0 ft. using a 3.5-inch O.D. hand auger. On 10/2/13 borehole continuously cored from 5.0 to 19.0 ft. using a 3.0-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler containing a 1.5-inch O.D. transparent PVC tube.
	0.5 to 2.5 ft. Dark brown silty sand (SM); medium dense, dry, with few coarse angular gravel to 0.25-inch diameter. No Petroleum Hydrocarbon (PHC) odor. (10,70,20)				0	
5	2.5 to 9.5 ft. Light brown silty sand (SM); medium dense, moist, with fine to medium sand, and orange mottling. No PHC odor. (0,80,20) 7.0 to 9.5 ft. color change to light grayish brown.	X	SM	B6-5.0	0	5.0 to 8.0 ft. 2.8 ft. recovery 8.0 to 11.0 ft. 2.8 ft. recovery 11.0 to 14.0 ft. 2.8 ft. recovery 14.0 to 17.0 ft. 2.8 ft. recovery 17.0 to 20.0 ft. 2.8 ft. recovery
					0	Expansive clays.
10	9.5 to 13.5 ft. Light grayish-brown clayey fine sand (SC); medium dense, moist, with orange mottling. No PHC odor. (0,75,25)	X	SC	B6-9.5	0	Water encountered during drilling at 17.5 ft. at 0915 on 10/2/13. Temporary 1.0-inch diameter slotted PVC casing placed in borehole. Water level measured at 16.6 ft. at 0920, and at 16.6 ft. at 0930.
					0	Approximately 0.1-gallon purged from borehole prior to groundwater sample collection using new unused disposable polyethylene tubing attached to a peristaltic pump.
15	13.5 to 17.0 ft. Olive-gray silty fine sand (SM); medium dense, moist, with orange mottling. No PHC odor. (0,80,20)	X	SM	B6-14.5		Water sample B6-W collected at 1020; no odor or sheen on sample.
	17.0 to 19.5 ft. Grayish-brown fine sand (SP); medium dense, wet to saturated. No PHC odor. (0,95,5) Wet at 17.0 ft. Saturated at 17.5 ft.		SP	▼ ▽	0	Water level subsequently measured at 17.3 ft. at 1039.
20	19.5 to 20.0 ft. Olive-gray clayey silt (ML); medium stiff, moist. No PHC odor. (0,0,100)	X	ML	B6-19.5	0	
						Borehole terminated at 20.0 ft. on 10/2/13. Borehole grouted on 10/2/13 using neat cement and a tremie pipe.
25						Mr. Steve Miller with Alameda County Public Works Agency gave verbal authorization to grout borehole without his presence.
						Drilling Notes: 1) Field estimates of percent gravel, sand, and fines are shown in parentheses.
30						2) Density determinations are qualitative and are not based on quantitative evaluation.

P&D ENVIRONMENTAL, INC.

BORING NO.: B7	PROJECT NO.: 0590	PROJECT NAME: 1900 Webster Street, Oakland	
BORING LOCATION: Approximately 8 ft. south and 5 ft. east of northwest corner of reception desk		ELEVATION AND DATUM: None	
DRILLING AGENCY: IMX, Inc.	DRILLER: Omar	DATE & TIME STARTED: 10/09/13 1020	DATE & TIME FINISHED: 10/09/13 1630
DRILLING EQUIPMENT: 2.0-inch O.D.hand auger			
COMPLETION DEPTH: 13.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLBD	CHECKED BY: PMK
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: 3 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	BLOW COUNT PER 6"	WELL CONSTRUCTION LOG	PID	REMARKS
	0.0 to 0.5 ft. Concrete (5-inch) and base rock.			No Well Constructed		Borehole hand augered from 0.5 to 13.0 ft. using a 2.0-inch O.D. hand auger.
	0.5 to 1.0 ft. Dark brown silty sand (FILL); medium dense, moist, with concrete fragments.	FILL				
	1.0 to 4.0 ft. Brown clayey fine sand (SC); medium dense, moist, with orange mottling. No Petroleum Hydrocarbon (PHC) odor. (0,80,20)	SC			0	No water encountered during augering.
5	4.0 to 6.0 ft. Brown silty fine sand (SM); medium dense, moist, with orange mottling. No PHC odor. (0,85,15) X 5.5 to 6.0 ft. Color change to reddish-brown.	SM		B7-5.0	0	Borehole terminated at 13.0 ft. on 10/09/13. Borehole grouted on 10/09/13 using neat cement grout.
	6.0 to 7.0 ft. Grayish-brown clayey fine sand (SC); medium dense, moist, with orange mottling. No PHC odor. (0,80,20)	SC				Mr. Steve Miller with Alameda County Public Works Agency gave verbal authorization to grout borehole without his presence.
	7.0 to 9.0 ft. Grayish-brown silty fine sand (SM); medium dense, moist, with orange mottling. No PHC odor. (0,80,20)	SM			0	
	9.0 to 9.5 ft. Gray sandy clay (CL); medium stiff, moist, with fine sand. No PHC odor. (0,20,80) X	CL		B7-9.5	0	
10	9.5 to 12.5 ft. Gray clayey fine sand (SC); medium dense, moist, with orange mottling. No PHC odor. (0,80,20)	SC				
	12.5 to 13.0 ft. Brown silty fine sand (SM); medium dense, moist, with orange and gray mottling. Strong PHC odor. (0,85,15)	SM			123 1,022	
	X			B7-13.0		Drilling Notes: 1) Field estimates of percent gravel, sand, and fines are shown in parentheses. 2) Density determinations are qualitative and are not based on quantitative evaluation.
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P&D ENVIRONMENTAL, INC.

BORING NO.: B8	PROJECT NO.: 0590	PROJECT NAME: 1900 Webster Street, Oakland	
BORING LOCATION: Approximately 7 ft. east of entrance door			ELEVATION AND DATUM: None
DRILLING AGENCY: IMX, Inc. and Vironex, Inc.		DRILLER: Omar, Joel	DATE & TIME STARTED: 9/25/13 1530 / DATE & TIME FINISHED: 10/02/13 1700
DRILLING EQUIPMENT: 3.5-inch O.D. hand auger and Badger			
COMPLETION DEPTH: 18.0 Feet	BEDROCK DEPTH: Not Encountered		LOGGED BY: MLBD / CHECKED BY: PMK
FIRST WATER DEPTH: 17.0 Feet	NO. OF SAMPLES: 4 Soil, 1 Water		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	BLOW COUNT PER 6"	WELL CONSTRUCTION LOG	PID	REMARKS
	0.0 to 0.5 ft. Concrete and base rock.			No Well Constructed		On 9/25/13 borehole hand augered from 0.0 to 5.0 ft. using a 3.5-inch O.D. hand auger. On 10/2/13 borehole continuously cored from 5.0 to 18.0 ft. using a 3.0-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler containing a 1.5-inch O.D. transparent PVC tube.
	0.5 to 9.0 ft. Brown silty fine sand (SM); medium dense, moist, with fine to medium sand, and orange and brown mottling. No Petroleum Hydrocarbon (PHC) odor. (0,80,20)	X SM		B8-5.0	0	5.0 to 8.0 ft. 2.8 ft. recovery 8.0 to 11.0 ft. 2.8 ft. recovery 11.0 to 14.0 ft. 2.8 ft. recovery 14.0 to 17.0 ft. 2.8 ft. recovery 17.0 to 18.0 ft. 1.0 ft. recovery
5					0	
					0.4	Expansive clays. Drilling refusal at 18.0 ft. depth.
	9.0 to 10.5 ft. Light grayish-brown clayey fine sand (SC); medium dense, moist, with orange mottling. No PHC odor. (0,80,20)	X SC		B8-9.5		Water encountered during drilling at 17.0 ft. at 1422 on 10/2/13. Temporary 1.0-inch diameter slotted PVC casing placed in borehole. Water level measured at 15.9 ft. at 1428, and at 15.6 ft. at 1438.
10	10.5 to 13.0 ft. Grayish-brown silty fine sand (SM); medium dense, moist, with orange mottling. Slight PHC odor. (0,80,20)	SM			23	
	13.0 to 13.5 ft. Grayish-brown sandy clay (CL); medium stiff, moist, with fine sand. No PHC odor. (0,20,80)	CL				Approximately 0.1-gallon purged from borehole prior to groundwater sample collection using new unused disposable polyethylene tubing attached to a peristaltic pump.
	13.5 to 18.0 ft. Grayish-brown silty fine sand (SM); medium dense to soft, wet to saturated, with orange mottling. No PHC odor. (0,80,20) Wet at 16.5 ft. Saturated at 17.0 ft. 17.0 to 18.0 ft. color change to bluish-gray.	X SM X		B8-14.5 ▼ ▽ B8-17.5	0.7	Water sample B8-W collected at 1440; slight PHC and no sheen on sample.Water level subsequently measured at 16.9 ft.
15						
20						Borehole terminated at 18.0 ft. on 10/2/13. Borehole grouted on 10/2/13 using neat cement and a tremie pipe. Mr. Steve Miller with Alameda County Public Works Agency gave verbal authorization to grout borehole without his presence. <u>Drilling Notes:</u> 1) Field estimates of percent gravel, sand, and fines are shown in parentheses. 2) Density determinations are qualitative and are not based on quantitative evaluation.
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P&D ENVIRONMENTAL, INC.

BORING NO.: B11	PROJECT NO.: 0590	PROJECT NAME: 1900 Webster Street, Oakland	
BORING LOCATION: Approximately 12 ft. north and 20 ft. west of southeast corner of building		ELEVATION AND DATUM: None	
DRILLING AGENCY: IMX, Inc.	DRILLER: Omar	DATE & TIME STARTED: 9/25/13 1415	DATE & TIME FINISHED: 10/09/13 1630
DRILLING EQUIPMENT: 2.0-inch O.D.hand auger			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLBD	CHECKED BY: PMK
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: 3 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	BLOW COUNT PER 6"	WELL CONSTRUCTION LOG	PID	REMARKS
	0.0 to 0.5 ft. Concrete (5-inch) and base rock.			No Well Constructed		Borehole hand augered from 0.5 to 5.0 ft. on 9/25/13 using a 3.0-inch O.D. hand auger. Borehole capped with concrete.
	0.5 to 6.5 ft. Brown silty fine sand (SM); medium dense, moist, with fine to medium sand, and orange mottling. No Petroleum Hydrocarbon (PHC) odor. (0,80,20)	SM			0	
5		X		B11-5.0	0	Borehole hand augered from 5.0 to 15.0 ft. on 10/09/13 using a 2.0-inch O.D. hand auger. No water encountered during augering.
	6.5 to 10.0 ft. Grayish-brown clayey fine sand (SC); medium dense, moist, with orange mottling. No PHC odor. (0,75,25)	SC			0	Borehole terminated at 15.0 ft. on 10/09/13. Borehole grouted on 10/09/13 using neat cement grout. Mr. Steve Miller with Alameda County Public Works Agency onsite to observe and document grouting of the borehole.
10		X		B11-9.5		
	10.0 to 13.0 ft. Grayish-brown silty fine sand (SM); medium dense, moist, with orange mottling. No PHC odor. (0,80,20)	SM			0	
	13.0 to 13.5 ft. Grayish-brown sandy clay (CL); medium stiff, moist, with fine sand. No PHC odor. (0,25,75)	CL				
	13.5 to 15.0 ft. Grayish-brown silty fine sand (SM); medium dense, moist, with orange mottling. No PHC odor. (0,85,15)	SM			0	
15		X		B11-14.5		
20						Drilling Notes: 1) Field estimates of percent gravel, sand, and fines are shown in parentheses. 2) Density determinations are qualitative and are not based on quantitative evaluation.
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P&D ENVIRONMENTAL, INC.

BORING NO.: B12	PROJECT NO.: 0590	PROJECT NAME: 1900 Webster Street, Oakland	
BORING LOCATION: Approximately 20 ft. north and 33 ft. west of southeast corner of building		ELEVATION AND DATUM: None	
DRILLING AGENCY: IMX, Inc.	DRILLER: Omar	DATE & TIME STARTED: 9/25/13 1430	DATE & TIME FINISHED: 9/25/13 1700
DRILLING EQUIPMENT: 3.5-inch O.D.hand auger			
COMPLETION DEPTH: 2.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLBD	CHECKED BY:
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: None		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	BLOW COUNT PER 6"	WELL CONSTRUCTION LOG	PID	REMARKS
	0.0 to 0.5 ft. Concrete (5-inch) and base rock.			No Well Constructed	0	Borehole hand augered from 0.5 to 2.0 ft. on 9/25/13 using a 3.5-inch O.D. hand auger.
	0.5 to 2.0 ft. Brown gravelly silty sand (FILL); medium dense, moist, with some coarse angular gravel to 0.25-inch diameter, concrete and brick fragments. No Petroleum Hydrocarbon (PHC) odor. Refusal at concrete slab at 2.0 ft. depth	FILL				Refusal at 2.0 ft. on concrete slab. At a location approximately 5 ft. north of proposed B12 location, a second borehole was hand augered from 0.0 to 2.0 ft and refusal again encountered on concrete slab. At a location approximately 5 ft. east of proposed B12 location, a third borehole was hand augered from 0.0 to 2.0 ft and refusal again encountered on concrete slab. Boreholes grouted on 9/25/13 using neat cement grout. Mr. Steve Miller with Alameda County Public Works Agency gave verbal authorization to grout borehole without his presence.
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P&D ENVIRONMENTAL, INC.

BORING NO.: B13	PROJECT NO.: 0590	PROJECT NAME: 1900 Webster Street, Oakland	
BORING LOCATION:	Approximately 37 ft. north and 17 ft. west of southeast corner of building	ELEVATION AND DATUM:	None
DRILLING AGENCY:	IMX, Inc., Vironex, Inc.	DRILLER: Omar, Joel	DATE & TIME STARTED: 9/25/13 1400 / DATE & TIME FINISHED: 10/09/13 1630
DRILLING EQUIPMENT:	3.5-inch O.D.hand auger, Badger		
COMPLETION DEPTH:	13.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLBD / CHECKED BY:
FIRST WATER DEPTH:	Not Encountered	NO. OF SAMPLES: 2 Soil	

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	BLOW COUNT PER 6"	WELL CONSTRUCTION LOG	PID	REMARKS
	0.0 to 0.5 ft. Concrete (5-inch) and base rock.			No Well Constructed		Borehole hand augered from 0.5 to 5.0 ft. on 9/25/13 using a 3.5-inch O.D. hand auger.
	0.5 to 2.0 ft. Dark brown silty sand (FILL); medium dense, dry, with brick, concrete, and glass fragments, and charred lumber. No Petroleum Hydrocarbon (PHC) odor.				0	
5	2.0 to 9.0 ft. Brown silty sand (FILL); medium dense, moist, with fine to medium sand. No PHC odor. (0,80,20) X	FILL		B13-5.0	0	Borehole continuously cored from 5.0 to 13.0 on 10/02/13 ft. using a 3.0-foot long 2.0-inch O.D. Geoprobe Macrocore barrel sampler containing a 1.5-inch O.D. transparent PVC tube. 5.0 to 8.0 ft. 2.8 ft. recovery 8.0 to 11.0 ft. 2.8 ft. recovery 11.0 to 13.0 ft. 2.0 ft. recovery
	9.0 to 10.0 ft. Grayish-brown sandy clay (FILL); medium stiff, moist, with fine sand, and orange mottling. No PHC odor. (0,20,80) X				0	Borehole temporarily capped with concrete on 10/02/13.
10	10.0 to 13.0 ft. Grayish-brown clayey sand (FILL); dense, moist, with fine sand, and orange mottling. No PHC odor. (0,80,20) Refusal at 13.0 ft. depth on concrete slab.			B13-9.5	0	Borehole hand augered from 12.0 to 13.0 ft. on 10/09/13 using a 2.0-inch O.D. hand auger where refusal was encountered on concrete slab. No water encountered during augering.
15						Borehole terminated at 13.0 ft. on 10/09/13. Borehole grouted on 10/09/13 using neat cement grout. Mr. Steve Miller with Alameda County Public Works Agency onsite to observe and document grouting of the borehole.
20						Drilling Notes: 1) Field estimates of percent gravel, sand, and fines are shown in parentheses. 2) Density determinations are qualitative and are not based on quantitative evaluation.
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P&D ENVIRONMENTAL, INC.

BORING NO.: B14	PROJECT NO.: 0590	PROJECT NAME: 1900 Webster Street, Oakland	
BORING LOCATION: Approximately 6 ft. north and 5 ft. west of southeast corner of dental station		ELEVATION AND DATUM: None	
DRILLING AGENCY: IMX, Inc.	DRILLER: Omar	DATE & TIME STARTED: 10/09/13 1355	DATE & TIME FINISHED: 10/09/13 1630
DRILLING EQUIPMENT: 2.0-inch O.D.hand auger			
COMPLETION DEPTH: 15.0 Feet	BEDROCK DEPTH: Not Encountered	LOGGED BY: MLBD	CHECKED BY:
FIRST WATER DEPTH: Not Encountered	NO. OF SAMPLES: 3 Soil		

DEPTH (FT.)	DESCRIPTION	GRAPHIC COLUMN	BLOW COUNT PER 6"	WELL CONSTRUCTION LOG	PID	REMARKS
	0.0 to 0.5 ft. Concrete (5-inch) and base rock.			No Well Constructed		Borehole hand augered from 0.5 to 15.0 ft. on 10/09/13 using a 2.0-inch O.D. hand auger.
	0.5 to 2.5 ft. Dark brown silty sand (FILL); medium dense, moist, with concrete and brick fragments. No Petroleum Hydrocarbon (PHC) odor.	FILL			0	
	2.5 to 6.0 ft. Light brown silty fine sand (SM); medium dense, moist, with orange mottling. No PHC odor. (0,80,20)	SM				No water encountered during augering.
5		X		B14-5.0	0	Borehole terminated at 15.0 ft. on 10/09/13. Borehole grouted on 10/09/13 using neat cement grout.
	6.0 to 9.0 ft. Olive-gray fine sand (SP); medium dense, moist. No PHC odor. (0,95,5)	SP				Mr. Steve Miller with Alameda County Public Works Agency gave verbal authorization to grout borehole without his presence.
	9.0 to 10.0 ft. Grayish-brown clayey fine sand (SC); medium dense, moist, with reddish-orange mottling. No PHC odor. (0,80,20)	SC			0	
10		X		B14-9.5		Drilling Notes:
	10.0 to 13.0 ft. Gray sandy clay (CL); medium stiff, moist, with fine sand. No PHC odor. (0,20,80)	CL			0	1) Field estimates of percent gravel, sand, and fines are shown in parentheses.
	13.0 to 15.0 ft. Gray clayey fine sand (SC); medium dense, moist, with orange mottling. Moderate PHC odor. (0,65,35)	SC			9	2) Density determinations are qualitative and are not based on quantitative evaluation.
15		X		B14-14.5	34	
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APPENDIX B

Subtronic Geophysical Survey Report

GEOPHYSICAL SUBSURFACE INVESTIGATION
FOR UNDERGROUND TANK AT
1900 WEBSTER STREET
OAKLAND, CA

May 6, 2013

Objective:
On April 24, 2013 Subtronic performed a geophysical survey to find and delineate underground storage tanks at 1900 Webster St. Oakland, California.

Site Description:
The survey was located inside a building. Half the site was an active dental office and the other half was a vacant office.

Geophysical Equipment Used In This Survey:
The GSSI system 3000 ground penetrating radar (GPR) with a 400 MHz and a 1.5 GHz antenna.

GSSI SIR-3000
A ground penetrating radar (GPR) system graphically records subsurface structures. Both geological and man made structures are recorded by the introduction of a pulse of electromagnetic energy into the ground. Reflected pulses received by the antenna are then processed for measurable contrast in electrical properties. The result is a visual pseudo-cross-sectional profile.

Primary applications of the GPR are detecting underground storage tanks, foundations, buried drums, previously excavated areas and voids.

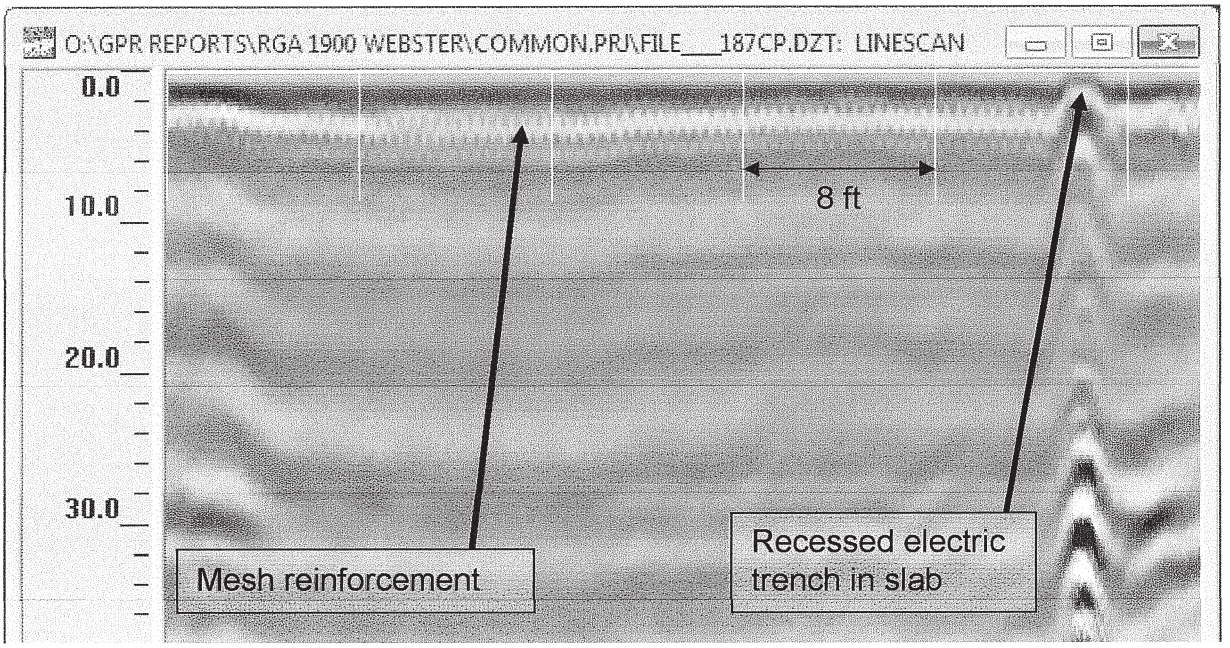
The GPR depth penetration is severely limited by clay-rich soil. Radar waves can penetrate deeper in sandy and gravelly soils.

Survey Methods:
Due to the reinforced concrete slab and significant amounts of above ground metal, ground penetrating radar was deemed the best choice of scanning instruments. Both offices were scanned with GPR using a 400 MHz antenna. A 1.5 GHz antenna was used in the dentist office where the larger antenna cannot access (Note: the depth penetration is shallower with the 1.5 GHz antenna). Radar scans were spaced every 5 feet unless walls or dental furniture was in the way.

Geophysical Results

The radargram shown below was collected on a traverse oriented north-south in the unoccupied portion of the office building at 1900 Webster Street. The character of the radargram is typical for what was collected on site.

The radar transverse ID number of this radargram is 187, and its location is shown in the site map at the end of this report showing the Approximate Location of Ground Penetrating Radar Traverses.



Radargrams collected in the dental office and the unoccupied portion of the office building were reviewed for UST type anomalies. No UST type anomalies were interpreted from the radar scans in both offices. Note in the figure above no geological features are apparent below the reinforced concrete suggesting that the soil may be too conductive.

Limitations

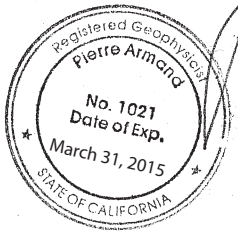
If clayey soils are present on site, the radar penetration will be reduced to the point where underground storage tanks may not be seen on the radar grams. According to P&D, the soil type at this location is a silty sand. If the silt matrix is conductive it will negatively impact the scanning depth of the radar.

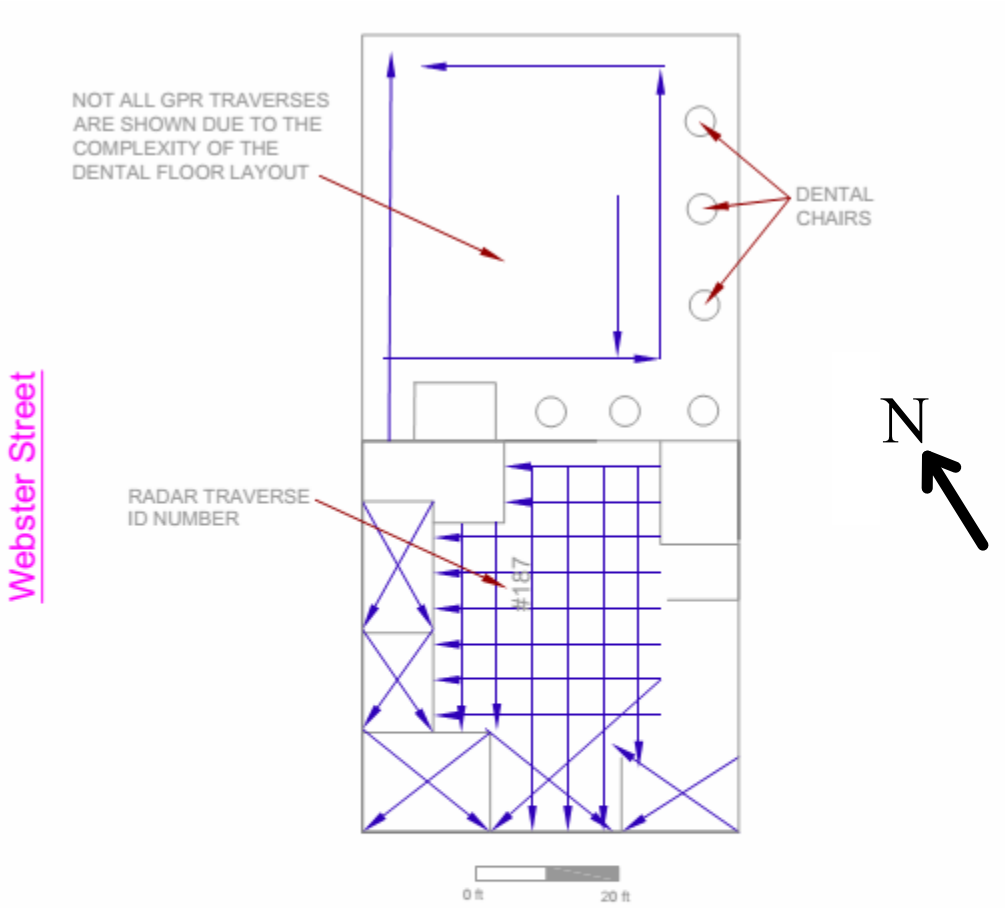
Conclusions

No USTs' were interpreted from the ground penetrating radar survey. The depth penetration achieved during these scans cannot however be determined.

Pierre Armand
Professional Geophysicist #1021

Subtronic Corporation.



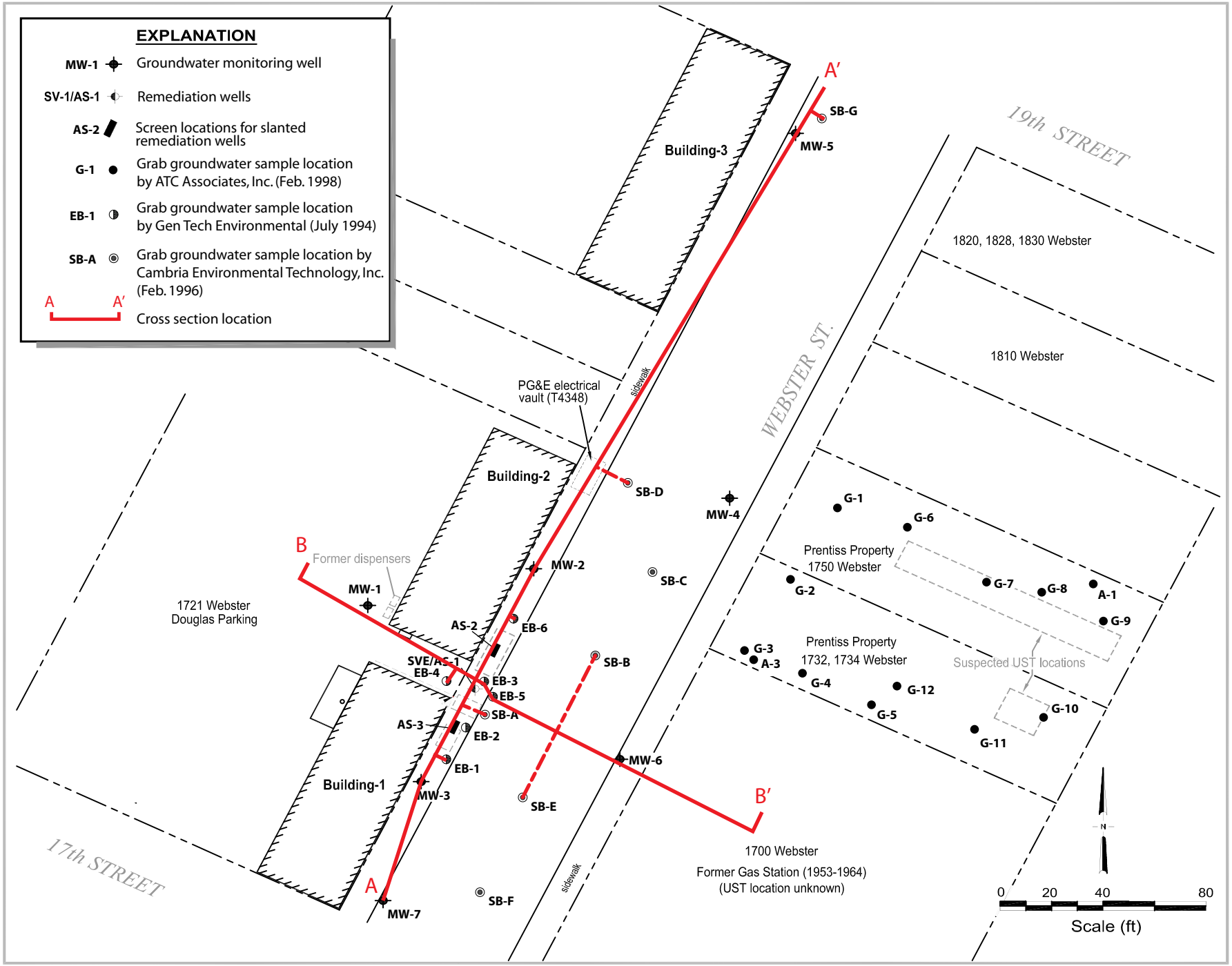


APPROXIMATE LOCATION OF GROUND PENETRATING RADAR TRAVERSES SURVEYED BY PIERRE ARMAND 4/24/2013

SITE: 1900 WEBSTER ST. OAKLAND, CA

APPENDIX C

1721 Webster Street Site Information and Offsite Geologic Cross Sections

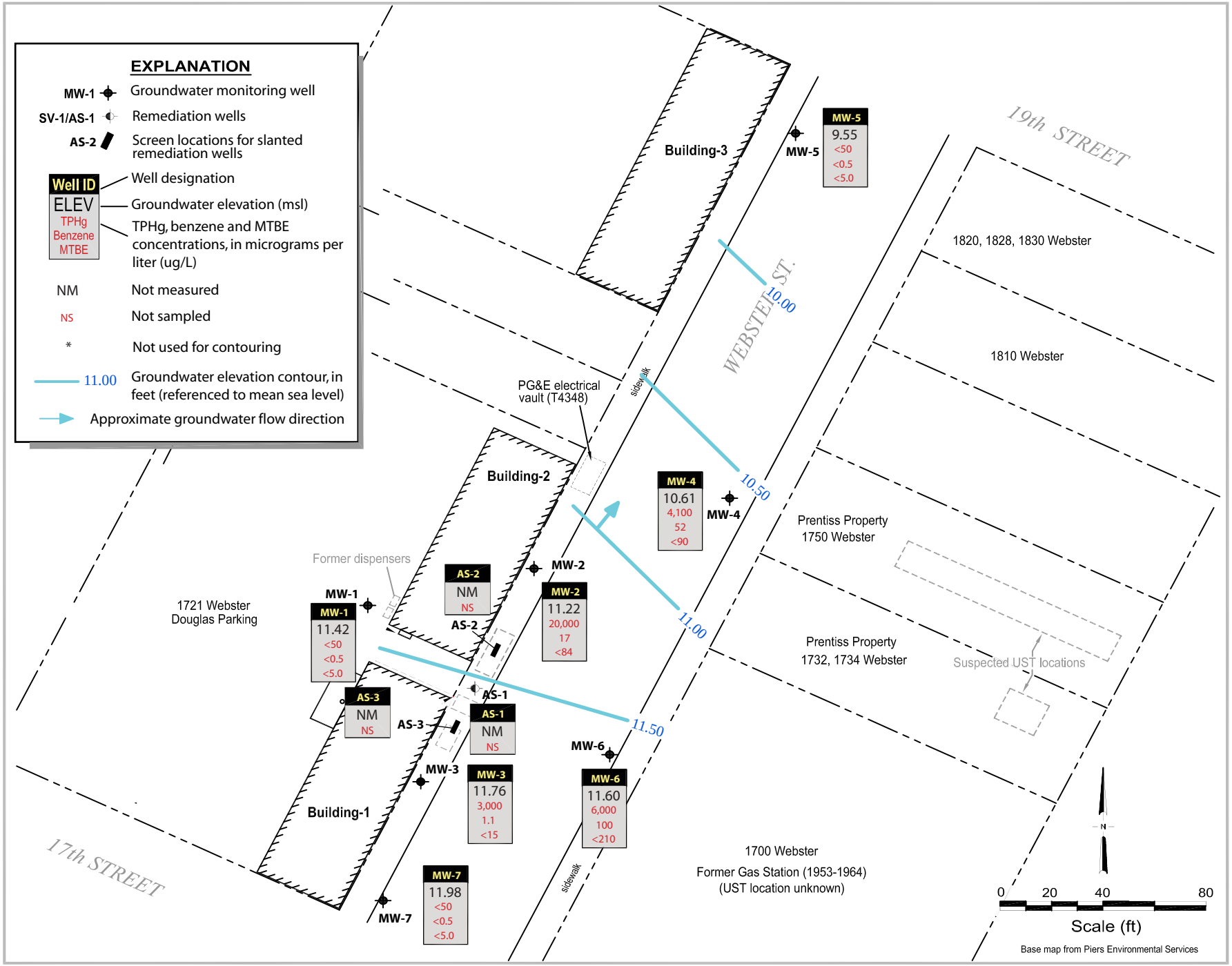


Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Cross Section Location Map

FIGURE
2

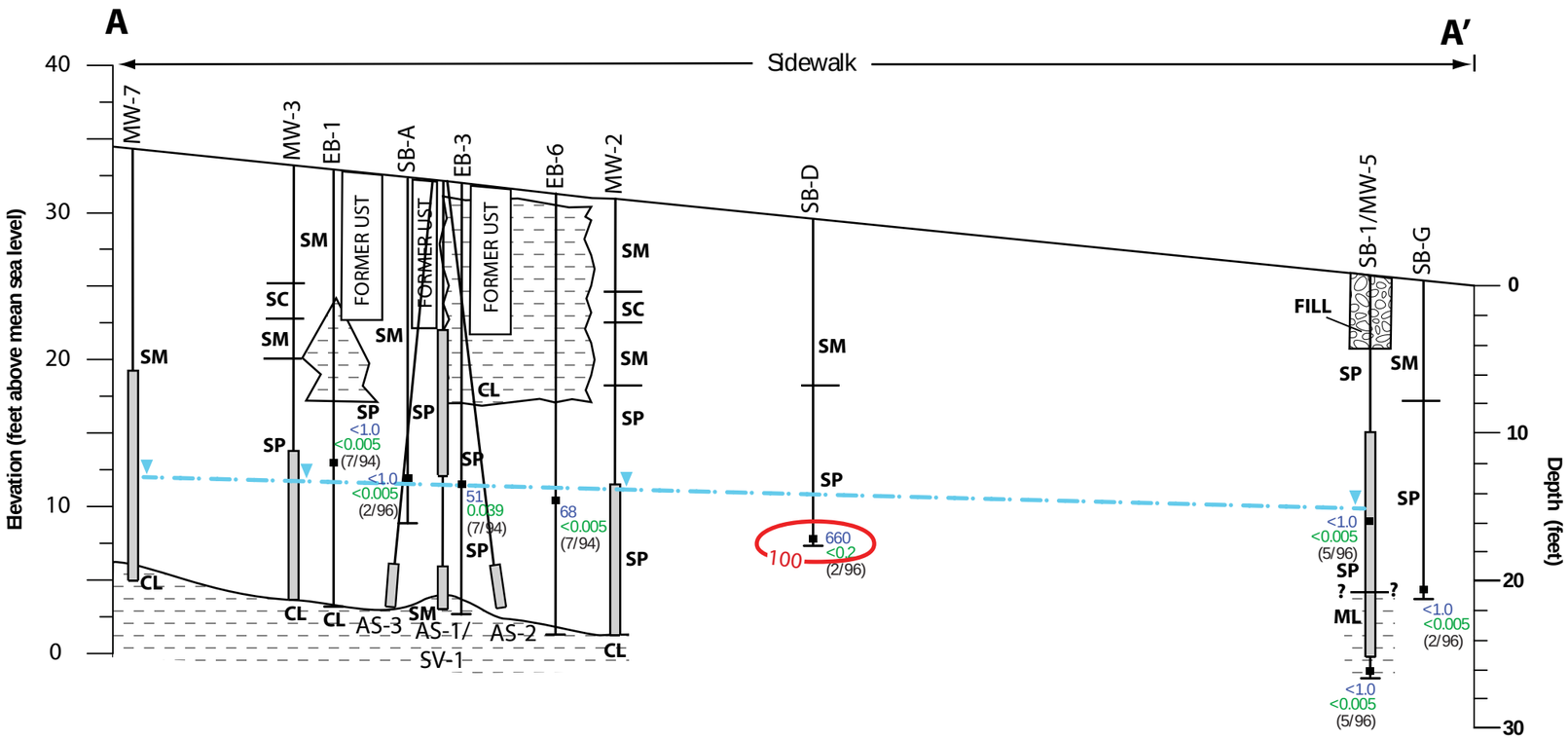


Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Groundwater Elevations and Hydrocarbon Concentration Map
January 11, 2012

FIGURE
3



EXPLANATION

- Coarse (Sands)
- Fine (Silt or Clay)
- Static groundwater elevation piezometric surface (July 2011)
- TPHg in soil, in mg/Kg (100)
- MW-3: Groundwater monitoring well
- <1.0 / <0.005 (5/96): Soil sample location and TPHg and benzene concentrations (sample date, mg/Kg)
- EB-1: Soil boring showing soil sample location and TPHg and benzene concentrations (sample date, mg/Kg)

Vertical Exaggeration
1:4

Horizontal Scale in Feet

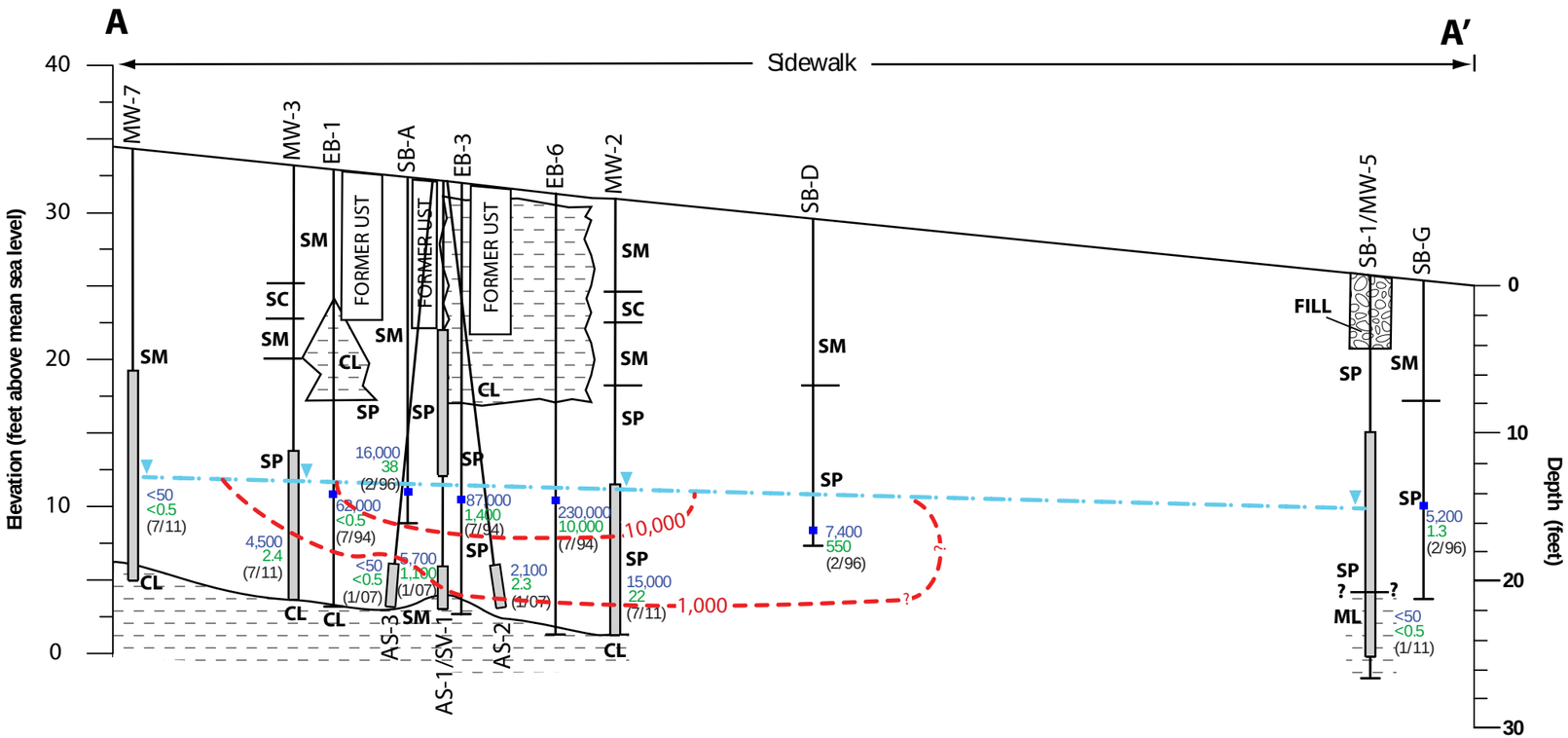
0 20 40

Figure
9

Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Geologic Cross Section A-A' Showing Esimated Extent of TPHg and Benzene in Soil



EXPLANATION

- Coarse (Sands)
- Fine (Silt or Clay)
- Static groundwater elevation piezometric surface (July 2011)
- TPHg Isoconcentration1contour (µg/L); querried where uncertain
- MW-3 — Groundwater monitoring well
- 4,500 / 2.4 / (7/11) — Groundwater sample location and TPHg/benzene concentrations (sample date, µg/L)
- EB-1 — Soil boring showing approximate groundwater sample location, first encountered groundwater.
- 16,000 / 38 / (2/96) — TPHg and benzene concentrations in grab groundwater (sample date, µg/L)

NOTE1: TPHg concentrations in groundwater monitoring wells are considered more representative of groundwater conditions than grab samples from temporary borings/wells.

Vertical Exaggeration
1:4

Horizontal Scale in Feet

0 20 40

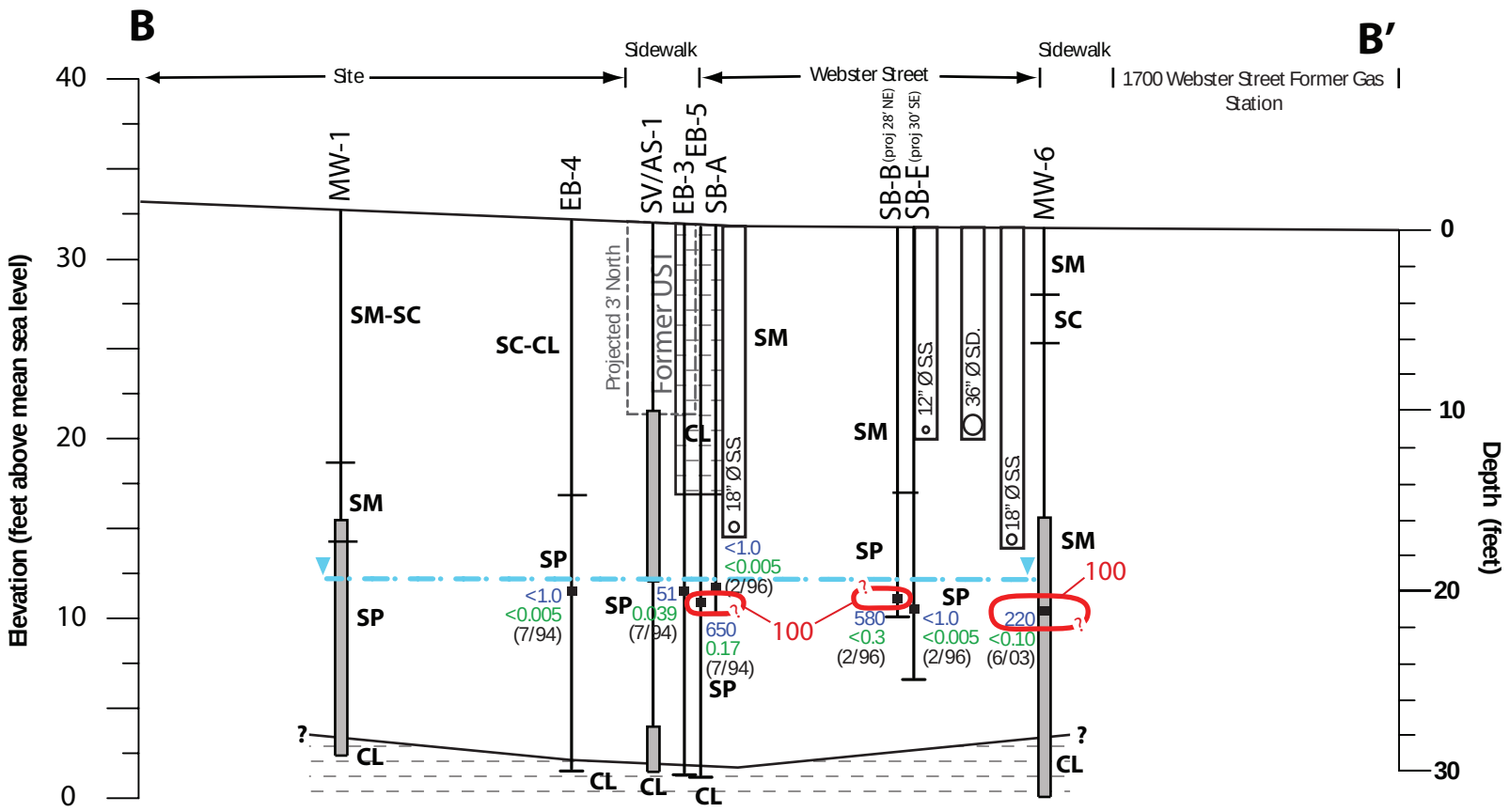
Figure

10

Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Geologic Cross Section A-A' Showing Estimated Extent of TPHg and Benzene in Groundwater



EXPLANATION

- Coarse (Sands)
- Fine (Silt or Clay)
- Static groundwater elevation piezometric surface (July 2011)
- TPHg Isoconcentration contour (µg/L); querried where uncertain
- MW-5 — Groundwater monitoring well
- <1.0 / <0.005 / (5/96) — Soil sample location and TPHg/benzene concentrations (sample date, mg/Kg)
- EB-1 — Soil boring showing approximate soil sample location, and TPHg and benzene concentrations (sample date, mg/Kg)

Vertical Exaggeration
1:3
Horizontal Scale in Feet

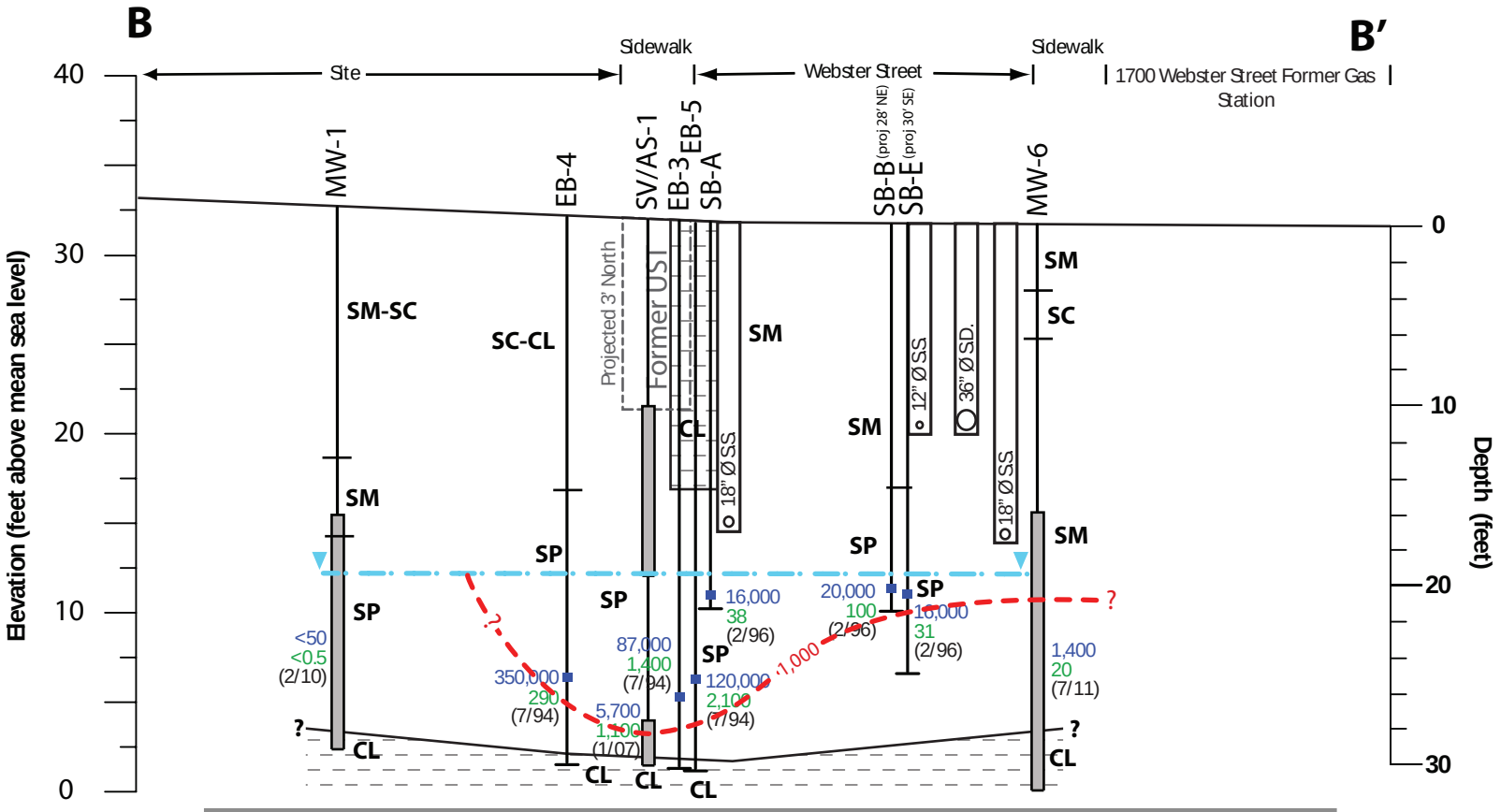
0 15 30

Figure
11

Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Geologic Cross-Section B-B' Showing Estimated Extent of TPHg and Benzene in Soil



EXPLANATION

- Coarse (Sands)
- Fine (Silt or Clay)
- Static groundwater elevation piezometric surface (July 2011)
- TPHg Isoconcentration contour (µg/L); querried where uncertain
- MW-5: Groundwater monitoring well
- 4,500 / 2.4 / (7/11): Groundwater sample location and TPHg/benzene concentrations (sample date, µg/L)
- EB-1: Soil boring showing approximate groundwater sample location, and TPHg and benzene concentrations (sample date, µg/L)
- 16,000 / 38 / (2/96)

NOTE 1- TPHg concentrations in groundwater monitoring are considered more representative of groundwater conditions than grab samples from temporary borings/wells.

NOTE 2- Greater weight is given to more recent TPHg concentration data as it is considered more representative of current groundwater conditions.

Vertical Exaggeration
1:3
Horizontal Scale in Feet

0 15 30

Figure 12

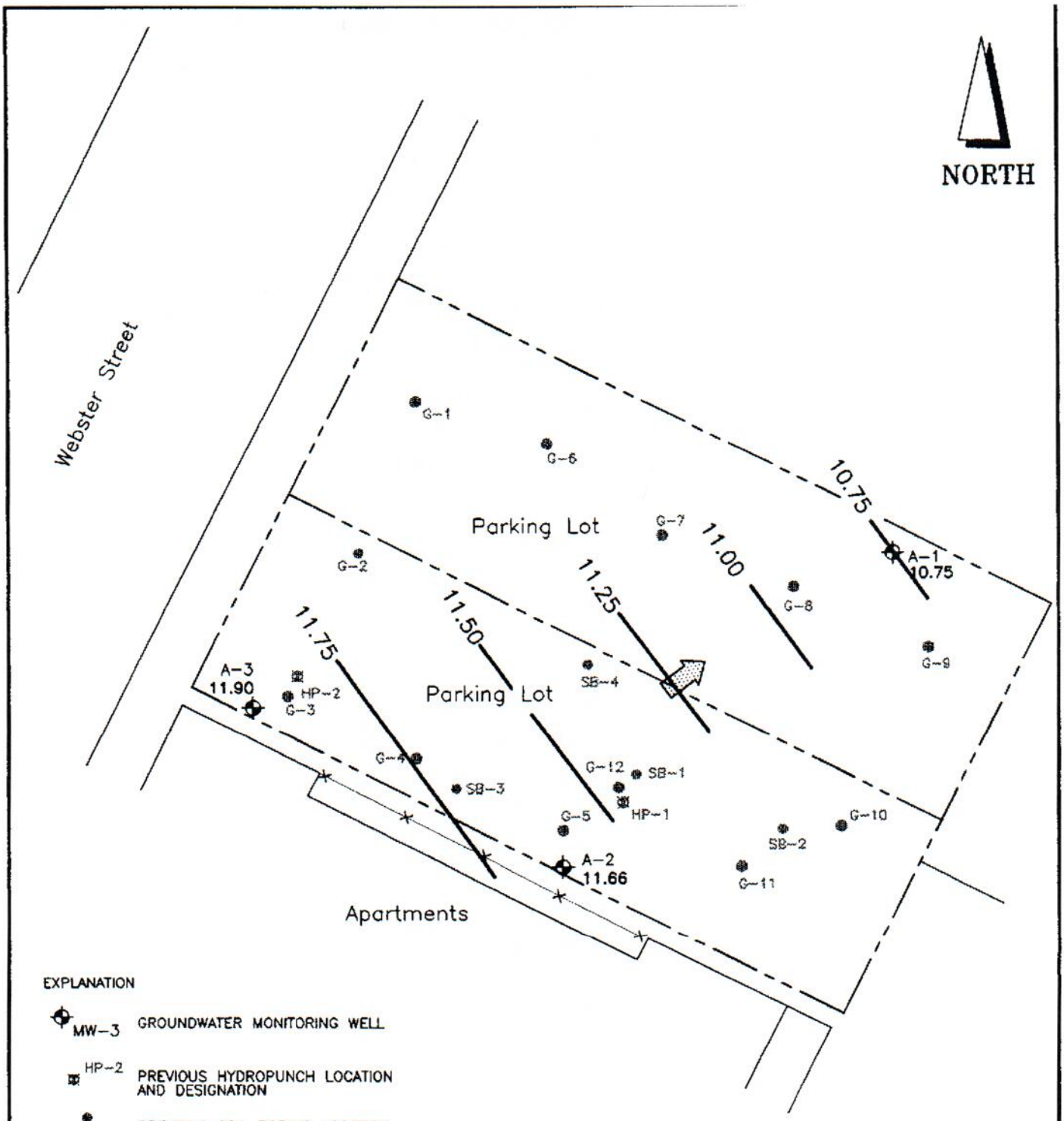
Douglas Parking
1721 Webster Street
Oakland, California

PANGEA

Geologic Cross-Section B-B' Showing Estimated Extent of TPHg and Benzene in Groundwater

APPENDIX D

1732, 1734, and 1750 Webster Street Site Information



NOTES

1) All locations and dimensions are approximate.

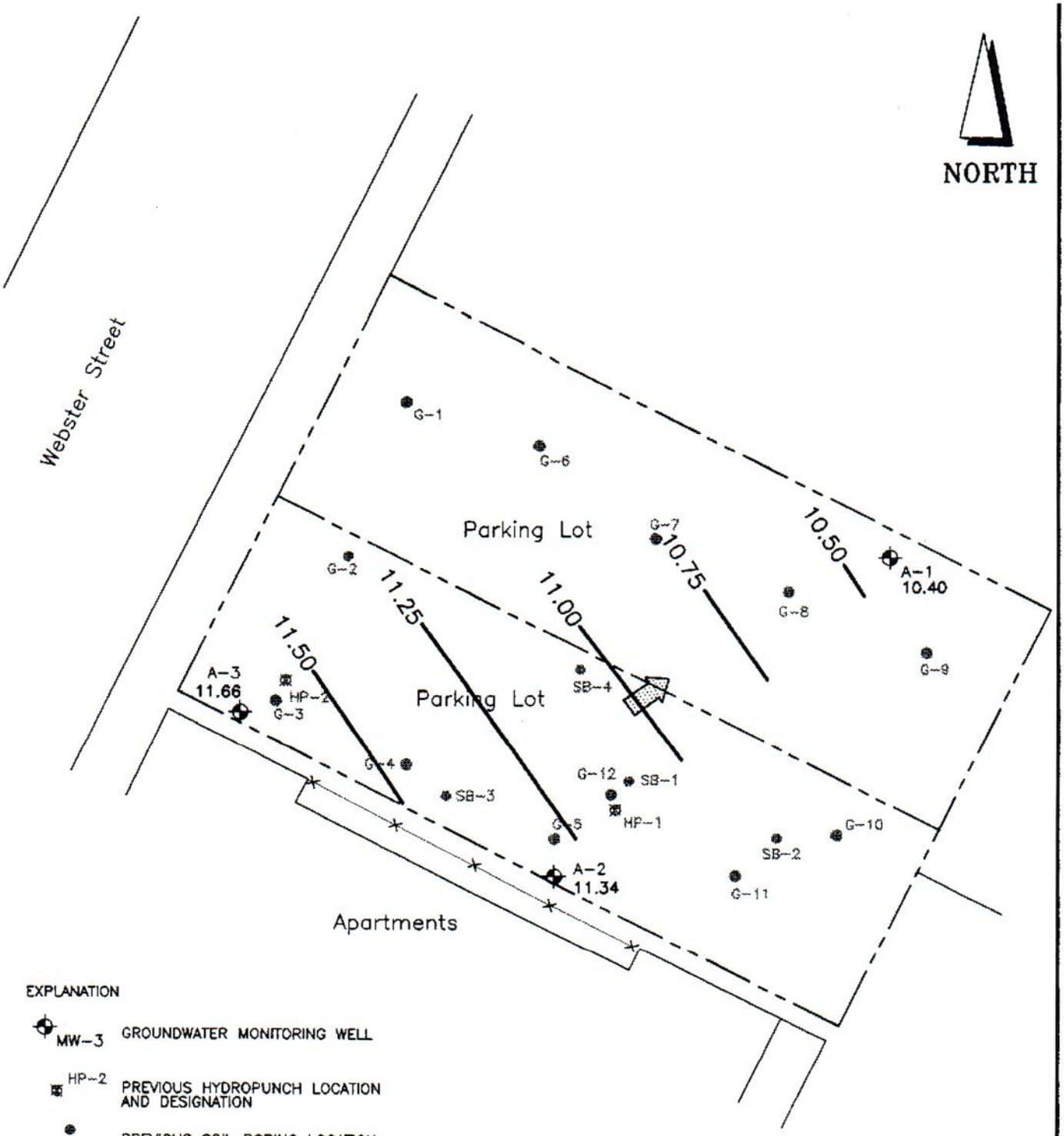
SOURCE: SITE SURVEY BY RON ARCHER CIVIL ENGINEER, INC., APRIL 28, 1998

61877/0004/M6

VATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

GROUNDWATER ELEVATION CONTOUR MAP (4-28-98)
PRENTISS
1750 WEBSTER STREET
OAKLAND, CALIFORNIA

PROJECT NO. 61877.0004 | FIGURE 3



EXPLANATION

- MW-3 — GROUNDWATER MONITORING WELL
- HP-2 — PREVIOUS HYDROPUNCH LOCATION AND DESIGNATION
- G-11 — PREVIOUS SOIL BORING LOCATION AND DESIGNATION
- 11.66 — GROUNDWATER ELEVATION IN FEET (DATUM: MEAN SEA LEVEL)
- 11.50 — GROUNDWATER ELEVATION CONTOUR IN FEET(DATUM: MEAN SEA LEVEL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

0 10 20 30 60

SCALE, FEET

NOTES

1) All locations and dimensions are approximate.

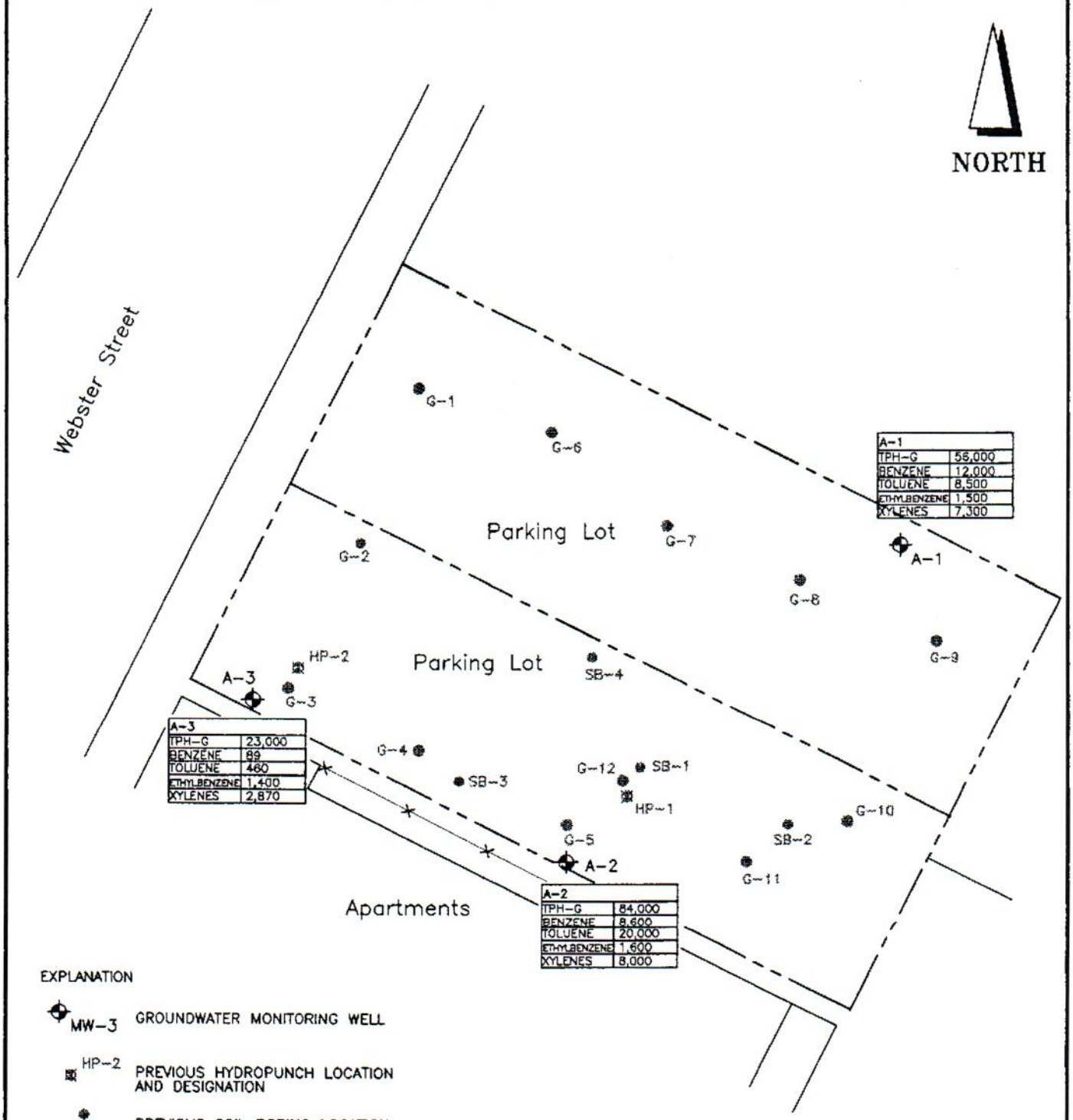
SOURCE: SITE SURVEY BY RON ARCHER CIVIL ENGINEER, INC., APRIL 28, 1998

61877/0004/k7

VATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

GROUNDWATER ELEVATION CONTOUR MAP (8-4-98)
PRENTISS
1750 WEBSTER STREET
OAKLAND, CALIFORNIA

PROJECT NO. 61877.0004 | FIGURE 4



NOTES

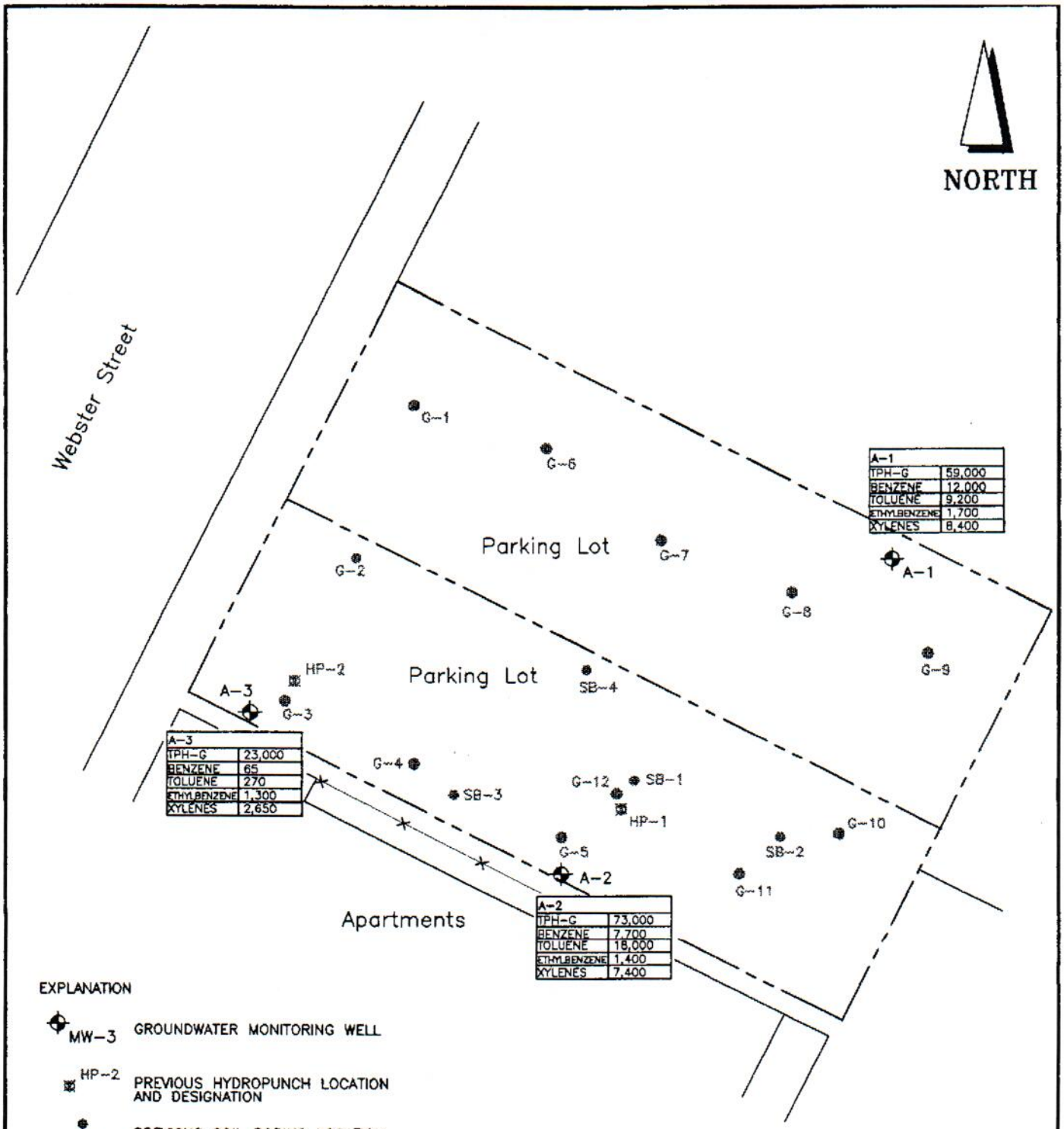
1) All locations and dimensions are approximate.

SOURCE: SITE SURVEY BY RON ARCHER CIVIL ENGINEER, INC., APRIL 28, 1998

VATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

TPH-G/BENZENE CONCENTRATIONS IN GROUNDWATER (4-28-98)
PRENTISS
1750 WEBSTER STREET
OAKLAND, CALIFORNIA

PROJECT NO. 61877.0004 | FIGURE 5



NOTES

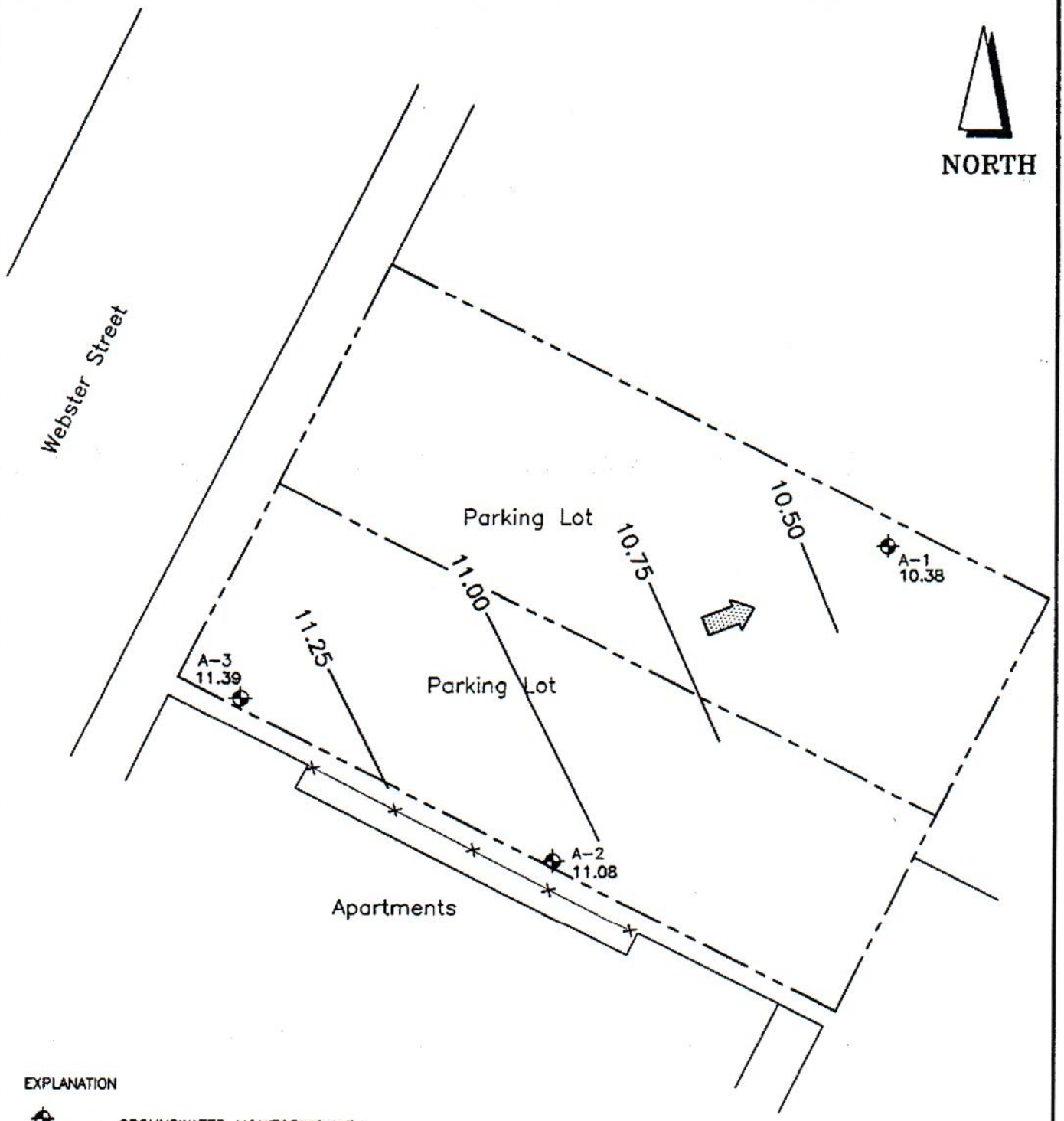
1) All locations and dimensions are approximate.

SOURCE: SITE SURVEY BY RON ARCHER CIVIL ENGINEER, INC., APRIL 28, 1998

VATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

TPH-G/BENZENE CONCENTRATIONS IN GROUNDWATER (8-4-98)
PRENTISS
1750 WEBSTER STREET
OAKLAND, CALIFORNIA

PROJECT NO. 61877.0004 | FIGURE 6



EXPLANATION

MW-3 GROUNDWATER MONITORING WELL

11.08 GROUNDWATER ELEVATION IN FEET (DATUM: MEAN SEA LEVEL)

11.00 GROUNDWATER ELEVATION CONTOUR IN FEET(DATUM: MEAN SEA LEVEL)

APPROXIMATE GROUNDWATER FLOW DIRECTION

0 10 20 30 60

SCALE, FEET

NOTES

1) All locations and dimensions are approximate.

SOURCE: SITE SURVEY BY RON ARCHER CIVIL ENGINEER, INC., APRIL 28, 1998

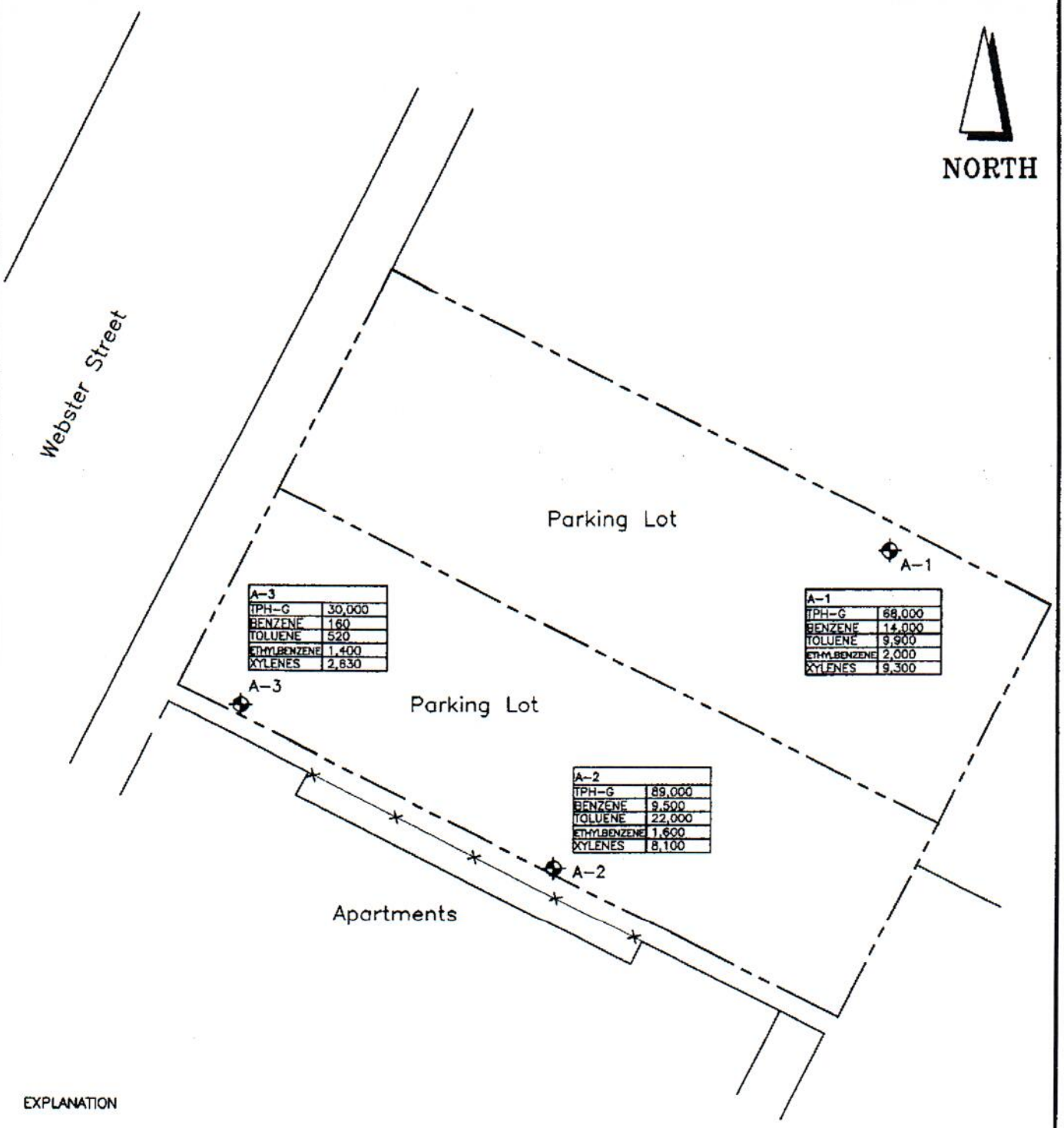
61877/0004/A11

VATC ASSOCIATES INC.

ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

GROUNDWATER ELEVATION CONTOUR MAP (2-26-99)
PRENTISS
1750 WEBSTER STREET
OAKLAND, CALIFORNIA

PROJECT NO. 61877.0004 | FIGURE 3



EXPLANATION

MW-3 GROUNDWATER MONITORING WELL

0 10 20 30 60

SCALE, FEET

ALL CONCENTRATIONS IN MICROGRAMS PER LITER (ug/l)

NOTES

1) All locations and dimensions are approximate.

SOURCE: SITE SURVEY BY RON ARCHER CIVIL ENGINEER, INC., APRIL 28, 1998

61877/0004/fi12

VATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

TPH-G/BTEX CONCENTRATIONS IN GROUNDWATER (2-26-99)
PRENTISS
1750 WEBSTER STREET
OAKLAND, CALIFORNIA

PROJECT NO. 61877.0004 | FIGURE 4

APPENDIX E

Laboratory Reports and Chain of Custody Documentation

- **McCampbell Work Order # 1308A18: Soil Samples B4-4.5, B4-9.5, and B4-14.5 TPH, MBTEX, VOC, SVOC, and Lead Results**
- **McCampbell Work Order # 1310135: Soil Samples B5-5.0, B5-9.5, B5-14.5, B6-5.0, B6-9.5, B6-14.5, B8-5.0, B8-9.5, B8-14.5, B13-5.0, and B13-9.5 TPH, MBTEX, VOC, SVOC, and Lead Results**
- **McCampbell Work Order # 1310381: Soil Samples B7-5.0, B7-9.5, B7-13.0, B11-5.0, B11-9.5, B11-14.5, B14-5.0, B14-9.5, and B14-14.5 TPH, MBTEX, VOC, SVOC, and Lead Results**
- **McCampbell Work Order # 1310142: Groundwater Samples B5-W, B6-W, and B8-W TPH, MBTEX, VOC, and Lead Results**

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1308A18

Report Created for: P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Project Contact: Paul King
Project Name: #0590; 1900 Webster St.
Project P.O.:

Project Received: 08/29/2013

Analytical Report reviewed & approved for release on 09/06/2013 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
NELAP: 12283CA ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: P & D Environmental
Project: #0590; 1900 Webster St.
WorkOrder: 1308A18

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
e2	diesel range compounds are significant; no recognizable pattern
e6	one to a few isolated peaks present in the THP(d/mo) chromatogram
e7	oil range compounds are significant

Quality Control Qualifier	
F1	MS/MSD recovery was out of acceptance criteria; LCS validated the prep batch.

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8260B
Date Prepared:	8/29/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-4.5	**1308A18-001A**	**Soil**	**08/28/2013 09:40**	**GC16**	**81149**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.050	1	08/30/2013 22:54
tert-Amyl methyl ether (TAME)	ND	0.0050	1	08/30/2013 22:54
Benzene	ND	0.0050	1	08/30/2013 22:54
Bromobenzene	ND	0.0050	1	08/30/2013 22:54
Bromochloromethane	ND	0.0050	1	08/30/2013 22:54
Bromodichloromethane	ND	0.0050	1	08/30/2013 22:54
Bromoform	ND	0.0050	1	08/30/2013 22:54
Bromomethane	ND	0.0050	1	08/30/2013 22:54
2-Butanone (MEK)	ND	0.020	1	08/30/2013 22:54
t-Butyl alcohol (TBA)	ND	0.050	1	08/30/2013 22:54
n-Butyl benzene	ND	0.0050	1	08/30/2013 22:54
sec-Butyl benzene	ND	0.0050	1	08/30/2013 22:54
tert-Butyl benzene	ND	0.0050	1	08/30/2013 22:54
Carbon Disulfide	ND	0.0050	1	08/30/2013 22:54
Carbon Tetrachloride	ND	0.0050	1	08/30/2013 22:54
Chlorobenzene	ND	0.0050	1	08/30/2013 22:54
Chloroethane	ND	0.0050	1	08/30/2013 22:54
Chloroform	ND	0.0050	1	08/30/2013 22:54
Chloromethane	ND	0.0050	1	08/30/2013 22:54
2-Chlorotoluene	ND	0.0050	1	08/30/2013 22:54
4-Chlorotoluene	ND	0.0050	1	08/30/2013 22:54
Dibromochloromethane	ND	0.0050	1	08/30/2013 22:54
1,2-Dibromo-3-chloropropane	ND	0.0040	1	08/30/2013 22:54
1,2-Dibromoethane (EDB)	ND	0.0040	1	08/30/2013 22:54
Dibromomethane	ND	0.0050	1	08/30/2013 22:54
1,2-Dichlorobenzene	ND	0.0050	1	08/30/2013 22:54
1,3-Dichlorobenzene	ND	0.0050	1	08/30/2013 22:54
1,4-Dichlorobenzene	ND	0.0050	1	08/30/2013 22:54
Dichlorodifluoromethane	ND	0.0050	1	08/30/2013 22:54
1,1-Dichloroethane	ND	0.0050	1	08/30/2013 22:54
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	08/30/2013 22:54
1,1-Dichloroethene	ND	0.0050	1	08/30/2013 22:54
cis-1,2-Dichloroethene	ND	0.0050	1	08/30/2013 22:54
trans-1,2-Dichloroethene	ND	0.0050	1	08/30/2013 22:54
1,2-Dichloropropane	ND	0.0050	1	08/30/2013 22:54
1,3-Dichloropropane	ND	0.0050	1	08/30/2013 22:54
2,2-Dichloropropane	ND	0.0050	1	08/30/2013 22:54
1,1-Dichloropropene	ND	0.0050	1	08/30/2013 22:54

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8260B
Date Prepared:	8/29/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-4.5	**1308A18-001A**	**Soil**	**08/28/2013 09:40**	**GC16**	**81149**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	08/30/2013 22:54
trans-1,3-Dichloropropene	ND	0.0050	1	08/30/2013 22:54
Diisopropyl ether (DIPE)	ND	0.0050	1	08/30/2013 22:54
Ethylbenzene	ND	0.0050	1	08/30/2013 22:54
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	08/30/2013 22:54
Freon 113	ND	0.10	1	08/30/2013 22:54
Hexachlorobutadiene	ND	0.0050	1	08/30/2013 22:54
Hexachloroethane	ND	0.0050	1	08/30/2013 22:54
2-Hexanone	ND	0.0050	1	08/30/2013 22:54
Isopropylbenzene	ND	0.0050	1	08/30/2013 22:54
4-Isopropyl toluene	ND	0.0050	1	08/30/2013 22:54
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	08/30/2013 22:54
Methylene chloride	ND	0.0050	1	08/30/2013 22:54
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	08/30/2013 22:54
Naphthalene	ND	0.0050	1	08/30/2013 22:54
n-Propyl benzene	ND	0.0050	1	08/30/2013 22:54
Styrene	ND	0.0050	1	08/30/2013 22:54
1,1,1,2-Tetrachloroethane	ND	0.0050	1	08/30/2013 22:54
1,1,2,2-Tetrachloroethane	ND	0.0050	1	08/30/2013 22:54
Tetrachloroethene	ND	0.0050	1	08/30/2013 22:54
Toluene	ND	0.0050	1	08/30/2013 22:54
1,2,3-Trichlorobenzene	ND	0.0050	1	08/30/2013 22:54
1,2,4-Trichlorobenzene	ND	0.0050	1	08/30/2013 22:54
1,1,1-Trichloroethane	ND	0.0050	1	08/30/2013 22:54
1,1,2-Trichloroethane	ND	0.0050	1	08/30/2013 22:54
Trichloroethene	ND	0.0050	1	08/30/2013 22:54
Trichlorofluoromethane	ND	0.0050	1	08/30/2013 22:54
1,2,3-Trichloropropane	ND	0.0050	1	08/30/2013 22:54
1,2,4-Trimethylbenzene	ND	0.0050	1	08/30/2013 22:54
1,3,5-Trimethylbenzene	ND	0.0050	1	08/30/2013 22:54
Vinyl Chloride	ND	0.0050	1	08/30/2013 22:54
Xylenes, Total	ND	0.0050	1	08/30/2013 22:54

Surrogates	REC (%)	Limits	
dibromofluromethane	86	70-130	08/30/2013 22:54
toluene-d8	105	70-130	08/30/2013 22:54
4-BFB	114	70-130	08/30/2013 22:54

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8260B
Date Prepared:	8/29/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-9.5	1308A18-002A	Soil	08/28/2013 09:55	GC16	81149

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.050	1	08/30/2013 23:37
tert-Amyl methyl ether (TAME)	ND	0.0050	1	08/30/2013 23:37
Benzene	ND	0.0050	1	08/30/2013 23:37
Bromobenzene	ND	0.0050	1	08/30/2013 23:37
Bromochloromethane	ND	0.0050	1	08/30/2013 23:37
Bromodichloromethane	ND	0.0050	1	08/30/2013 23:37
Bromoform	ND	0.0050	1	08/30/2013 23:37
Bromomethane	ND	0.0050	1	08/30/2013 23:37
2-Butanone (MEK)	ND	0.020	1	08/30/2013 23:37
t-Butyl alcohol (TBA)	ND	0.050	1	08/30/2013 23:37
n-Butyl benzene	ND	0.0050	1	08/30/2013 23:37
sec-Butyl benzene	ND	0.0050	1	08/30/2013 23:37
tert-Butyl benzene	ND	0.0050	1	08/30/2013 23:37
Carbon Disulfide	ND	0.0050	1	08/30/2013 23:37
Carbon Tetrachloride	ND	0.0050	1	08/30/2013 23:37
Chlorobenzene	ND	0.0050	1	08/30/2013 23:37
Chloroethane	ND	0.0050	1	08/30/2013 23:37
Chloroform	ND	0.0050	1	08/30/2013 23:37
Chloromethane	ND	0.0050	1	08/30/2013 23:37
2-Chlorotoluene	ND	0.0050	1	08/30/2013 23:37
4-Chlorotoluene	ND	0.0050	1	08/30/2013 23:37
Dibromochloromethane	ND	0.0050	1	08/30/2013 23:37
1,2-Dibromo-3-chloropropane	ND	0.0040	1	08/30/2013 23:37
1,2-Dibromoethane (EDB)	ND	0.0040	1	08/30/2013 23:37
Dibromomethane	ND	0.0050	1	08/30/2013 23:37
1,2-Dichlorobenzene	ND	0.0050	1	08/30/2013 23:37
1,3-Dichlorobenzene	ND	0.0050	1	08/30/2013 23:37
1,4-Dichlorobenzene	ND	0.0050	1	08/30/2013 23:37
Dichlorodifluoromethane	ND	0.0050	1	08/30/2013 23:37
1,1-Dichloroethane	ND	0.0050	1	08/30/2013 23:37
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	08/30/2013 23:37
1,1-Dichloroethene	ND	0.0050	1	08/30/2013 23:37
cis-1,2-Dichloroethene	ND	0.0050	1	08/30/2013 23:37
trans-1,2-Dichloroethene	ND	0.0050	1	08/30/2013 23:37
1,2-Dichloropropane	ND	0.0050	1	08/30/2013 23:37
1,3-Dichloropropane	ND	0.0050	1	08/30/2013 23:37
2,2-Dichloropropane	ND	0.0050	1	08/30/2013 23:37
1,1-Dichloropropene	ND	0.0050	1	08/30/2013 23:37

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8260B
Date Prepared:	8/29/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-9.5	**1308A18-002A**	**Soil**	**08/28/2013 09:55**	**GC16**	**81149**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	08/30/2013 23:37
trans-1,3-Dichloropropene	ND	0.0050	1	08/30/2013 23:37
Diisopropyl ether (DIPE)	ND	0.0050	1	08/30/2013 23:37
Ethylbenzene	ND	0.0050	1	08/30/2013 23:37
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	08/30/2013 23:37
Freon 113	ND	0.10	1	08/30/2013 23:37
Hexachlorobutadiene	ND	0.0050	1	08/30/2013 23:37
Hexachloroethane	ND	0.0050	1	08/30/2013 23:37
2-Hexanone	ND	0.0050	1	08/30/2013 23:37
Isopropylbenzene	ND	0.0050	1	08/30/2013 23:37
4-Isopropyl toluene	ND	0.0050	1	08/30/2013 23:37
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	08/30/2013 23:37
Methylene chloride	ND	0.0050	1	08/30/2013 23:37
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	08/30/2013 23:37
Naphthalene	ND	0.0050	1	08/30/2013 23:37
n-Propyl benzene	ND	0.0050	1	08/30/2013 23:37
Styrene	ND	0.0050	1	08/30/2013 23:37
1,1,1,2-Tetrachloroethane	ND	0.0050	1	08/30/2013 23:37
1,1,2,2-Tetrachloroethane	ND	0.0050	1	08/30/2013 23:37
Tetrachloroethene	ND	0.0050	1	08/30/2013 23:37
Toluene	ND	0.0050	1	08/30/2013 23:37
1,2,3-Trichlorobenzene	ND	0.0050	1	08/30/2013 23:37
1,2,4-Trichlorobenzene	ND	0.0050	1	08/30/2013 23:37
1,1,1-Trichloroethane	ND	0.0050	1	08/30/2013 23:37
1,1,2-Trichloroethane	ND	0.0050	1	08/30/2013 23:37
Trichloroethene	ND	0.0050	1	08/30/2013 23:37
Trichlorofluoromethane	ND	0.0050	1	08/30/2013 23:37
1,2,3-Trichloropropane	ND	0.0050	1	08/30/2013 23:37
1,2,4-Trimethylbenzene	ND	0.0050	1	08/30/2013 23:37
1,3,5-Trimethylbenzene	ND	0.0050	1	08/30/2013 23:37
Vinyl Chloride	ND	0.0050	1	08/30/2013 23:37
Xylenes, Total	ND	0.0050	1	08/30/2013 23:37

Surrogates	REC (%)	Limits	
dibromofluromethane	86	70-130	08/30/2013 23:37
toluene-d8	105	70-130	08/30/2013 23:37
4-BFB	116	70-130	08/30/2013 23:37

(Cont.)

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

Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8260B
Date Prepared:	8/29/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-14.5	**1308A18-003A**	**Soil**	**08/28/2013 10:10**	**GC16**	**81149**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.050	1	08/31/2013 00:20
tert-Amyl methyl ether (TAME)	ND	0.0050	1	08/31/2013 00:20
Benzene	ND	0.0050	1	08/31/2013 00:20
Bromobenzene	ND	0.0050	1	08/31/2013 00:20
Bromochloromethane	ND	0.0050	1	08/31/2013 00:20
Bromodichloromethane	ND	0.0050	1	08/31/2013 00:20
Bromoform	ND	0.0050	1	08/31/2013 00:20
Bromomethane	ND	0.0050	1	08/31/2013 00:20
2-Butanone (MEK)	ND	0.020	1	08/31/2013 00:20
t-Butyl alcohol (TBA)	ND	0.050	1	08/31/2013 00:20
n-Butyl benzene	ND	0.0050	1	08/31/2013 00:20
sec-Butyl benzene	ND	0.0050	1	08/31/2013 00:20
tert-Butyl benzene	ND	0.0050	1	08/31/2013 00:20
Carbon Disulfide	ND	0.0050	1	08/31/2013 00:20
Carbon Tetrachloride	ND	0.0050	1	08/31/2013 00:20
Chlorobenzene	ND	0.0050	1	08/31/2013 00:20
Chloroethane	ND	0.0050	1	08/31/2013 00:20
Chloroform	ND	0.0050	1	08/31/2013 00:20
Chloromethane	ND	0.0050	1	08/31/2013 00:20
2-Chlorotoluene	ND	0.0050	1	08/31/2013 00:20
4-Chlorotoluene	ND	0.0050	1	08/31/2013 00:20
Dibromochloromethane	ND	0.0050	1	08/31/2013 00:20
1,2-Dibromo-3-chloropropane	ND	0.0040	1	08/31/2013 00:20
1,2-Dibromoethane (EDB)	ND	0.0040	1	08/31/2013 00:20
Dibromomethane	ND	0.0050	1	08/31/2013 00:20
1,2-Dichlorobenzene	ND	0.0050	1	08/31/2013 00:20
1,3-Dichlorobenzene	ND	0.0050	1	08/31/2013 00:20
1,4-Dichlorobenzene	ND	0.0050	1	08/31/2013 00:20
Dichlorodifluoromethane	ND	0.0050	1	08/31/2013 00:20
1,1-Dichloroethane	ND	0.0050	1	08/31/2013 00:20
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	08/31/2013 00:20
1,1-Dichloroethene	ND	0.0050	1	08/31/2013 00:20
cis-1,2-Dichloroethene	ND	0.0050	1	08/31/2013 00:20
trans-1,2-Dichloroethene	ND	0.0050	1	08/31/2013 00:20
1,2-Dichloropropane	ND	0.0050	1	08/31/2013 00:20
1,3-Dichloropropane	ND	0.0050	1	08/31/2013 00:20
2,2-Dichloropropane	ND	0.0050	1	08/31/2013 00:20
1,1-Dichloropropene	ND	0.0050	1	08/31/2013 00:20

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8260B
Date Prepared:	8/29/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-14.5	**1308A18-003A**	**Soil**	**08/28/2013 10:10**	**GC16**	**81149**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	08/31/2013 00:20
trans-1,3-Dichloropropene	ND	0.0050	1	08/31/2013 00:20
Diisopropyl ether (DIPE)	ND	0.0050	1	08/31/2013 00:20
Ethylbenzene	ND	0.0050	1	08/31/2013 00:20
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	08/31/2013 00:20
Freon 113	ND	0.10	1	08/31/2013 00:20
Hexachlorobutadiene	ND	0.0050	1	08/31/2013 00:20
Hexachloroethane	ND	0.0050	1	08/31/2013 00:20
2-Hexanone	ND	0.0050	1	08/31/2013 00:20
Isopropylbenzene	ND	0.0050	1	08/31/2013 00:20
4-Isopropyl toluene	ND	0.0050	1	08/31/2013 00:20
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	08/31/2013 00:20
Methylene chloride	ND	0.0050	1	08/31/2013 00:20
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	08/31/2013 00:20
Naphthalene	ND	0.0050	1	08/31/2013 00:20
n-Propyl benzene	ND	0.0050	1	08/31/2013 00:20
Styrene	ND	0.0050	1	08/31/2013 00:20
1,1,1,2-Tetrachloroethane	ND	0.0050	1	08/31/2013 00:20
1,1,2,2-Tetrachloroethane	ND	0.0050	1	08/31/2013 00:20
Tetrachloroethene	ND	0.0050	1	08/31/2013 00:20
Toluene	ND	0.0050	1	08/31/2013 00:20
1,2,3-Trichlorobenzene	ND	0.0050	1	08/31/2013 00:20
1,2,4-Trichlorobenzene	ND	0.0050	1	08/31/2013 00:20
1,1,1-Trichloroethane	ND	0.0050	1	08/31/2013 00:20
1,1,2-Trichloroethane	ND	0.0050	1	08/31/2013 00:20
Trichloroethene	ND	0.0050	1	08/31/2013 00:20
Trichlorofluoromethane	ND	0.0050	1	08/31/2013 00:20
1,2,3-Trichloropropane	ND	0.0050	1	08/31/2013 00:20
1,2,4-Trimethylbenzene	ND	0.0050	1	08/31/2013 00:20
1,3,5-Trimethylbenzene	ND	0.0050	1	08/31/2013 00:20
Vinyl Chloride	ND	0.0050	1	08/31/2013 00:20
Xylenes, Total	ND	0.0050	1	08/31/2013 00:20

Surrogates	REC (%)	Limits	
dibromofluromethane	88	70-130	08/31/2013 00:20
toluene-d8	104	70-130	08/31/2013 00:20
4-BFB	118	70-130	08/31/2013 00:20

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW3550B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8270C
Date Prepared:	8/29/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-4.5	**1308A18-001A**	**Soil**	**08/28/2013 09:40**	**GC17**	**81166**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	08/30/2013 17:25
Acenaphthylene	ND	0.25	1	08/30/2013 17:25
Acetochlor	ND	0.25	1	08/30/2013 17:25
Anthracene	ND	0.25	1	08/30/2013 17:25
Benzidine	ND	1.3	1	08/30/2013 17:25
Benzo (a) anthracene	ND	0.25	1	08/30/2013 17:25
Benzo (b) fluoranthene	ND	0.25	1	08/30/2013 17:25
Benzo (k) fluoranthene	ND	0.25	1	08/30/2013 17:25
Benzo (g,h,i) perylene	ND	0.25	1	08/30/2013 17:25
Benzo (a) pyrene	ND	0.25	1	08/30/2013 17:25
Benzyl Alcohol	ND	1.3	1	08/30/2013 17:25
1,1-Biphenyl	ND	0.25	1	08/30/2013 17:25
Bis (2-chloroethoxy) Methane	ND	0.25	1	08/30/2013 17:25
Bis (2-chloroethyl) Ether	ND	0.25	1	08/30/2013 17:25
Bis (2-chloroisopropyl) Ether	ND	0.25	1	08/30/2013 17:25
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	08/30/2013 17:25
4-Bromophenyl Phenyl Ether	ND	0.25	1	08/30/2013 17:25
Butylbenzyl Phthalate	ND	0.25	1	08/30/2013 17:25
4-Chloroaniline	ND	0.25	1	08/30/2013 17:25
4-Chloro-3-methylphenol	ND	0.25	1	08/30/2013 17:25
2-Chloronaphthalene	ND	0.25	1	08/30/2013 17:25
2-Chlorophenol	ND	0.25	1	08/30/2013 17:25
4-Chlorophenyl Phenyl Ether	ND	0.25	1	08/30/2013 17:25
Chrysene	ND	0.25	1	08/30/2013 17:25
Dibenzo (a,h) anthracene	ND	0.25	1	08/30/2013 17:25
Dibenzofuran	ND	0.25	1	08/30/2013 17:25
Di-n-butyl Phthalate	ND	0.25	1	08/30/2013 17:25
1,2-Dichlorobenzene	ND	0.25	1	08/30/2013 17:25
1,3-Dichlorobenzene	ND	0.25	1	08/30/2013 17:25
1,4-Dichlorobenzene	ND	0.25	1	08/30/2013 17:25
3,3-Dichlorobenzidine	ND	0.50	1	08/30/2013 17:25
2,4-Dichlorophenol	ND	0.25	1	08/30/2013 17:25
Diethyl Phthalate	ND	0.25	1	08/30/2013 17:25
2,4-Dimethylphenol	ND	0.25	1	08/30/2013 17:25
Dimethyl Phthalate	ND	0.25	1	08/30/2013 17:25
4,6-Dinitro-2-methylphenol	ND	1.3	1	08/30/2013 17:25
2,4-Dinitrophenol	ND	6.3	1	08/30/2013 17:25
2,4-Dinitrotoluene	ND	0.25	1	08/30/2013 17:25

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW3550B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8270C
Date Prepared:	8/29/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-4.5	**1308A18-001A**	**Soil**	**08/28/2013 09:40**	**GC17**	**81166**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	08/30/2013 17:25
Di-n-octyl Phthalate	ND	0.50	1	08/30/2013 17:25
1,2-Diphenylhydrazine	ND	0.25	1	08/30/2013 17:25
Fluoranthene	ND	0.25	1	08/30/2013 17:25
Fluorene	ND	0.25	1	08/30/2013 17:25
Hexachlorobenzene	ND	0.25	1	08/30/2013 17:25
Hexachlorobutadiene	ND	0.25	1	08/30/2013 17:25
Hexachlorocyclopentadiene	ND	1.3	1	08/30/2013 17:25
Hexachloroethane	ND	0.25	1	08/30/2013 17:25
Indeno (1,2,3-cd) pyrene	ND	0.25	1	08/30/2013 17:25
Isophorone	ND	0.25	1	08/30/2013 17:25
2-Methylnaphthalene	ND	0.25	1	08/30/2013 17:25
2-Methylphenol (o-Cresol)	ND	0.25	1	08/30/2013 17:25
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	08/30/2013 17:25
Naphthalene	ND	0.25	1	08/30/2013 17:25
2-Nitroaniline	ND	1.3	1	08/30/2013 17:25
3-Nitroaniline	ND	1.3	1	08/30/2013 17:25
4-Nitroaniline	ND	1.3	1	08/30/2013 17:25
Nitrobenzene	ND	0.25	1	08/30/2013 17:25
2-Nitrophenol	ND	1.3	1	08/30/2013 17:25
4-Nitrophenol	ND	1.3	1	08/30/2013 17:25
N-Nitrosodiphenylamine	ND	0.25	1	08/30/2013 17:25
N-Nitrosodi-n-propylamine	ND	0.25	1	08/30/2013 17:25
Pentachlorophenol	ND	1.3	1	08/30/2013 17:25
Phenanthrene	ND	0.25	1	08/30/2013 17:25
Phenol	ND	0.25	1	08/30/2013 17:25
Pyrene	ND	0.25	1	08/30/2013 17:25
1,2,4-Trichlorobenzene	ND	0.25	1	08/30/2013 17:25
2,4,5-Trichlorophenol	ND	0.25	1	08/30/2013 17:25
2,4,6-Trichlorophenol	ND	0.25	1	08/30/2013 17:25

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW3550B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8270C
Date Prepared:	8/29/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-4.5	**1308A18-001A**	**Soil**	**08/28/2013 09:40**	**GC17**	**81166**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	82	30-130		08/30/2013 17:25
Phenol-d5	74	30-130		08/30/2013 17:25
Nitrobenzene-d5	67	30-130		08/30/2013 17:25
2-Fluorobiphenyl	64	30-130		08/30/2013 17:25
2,4,6-Tribromophenol	64	30-130		08/30/2013 17:25
4-Terphenyl-d14	67	30-130		08/30/2013 17:25

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW3550B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8270C
Date Prepared:	8/29/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-9.5	1308A18-002A	Soil	08/28/2013 09:55	GC21	81166

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	09/03/2013 18:51
Acenaphthylene	ND	0.25	1	09/03/2013 18:51
Acetochlor	ND	0.25	1	09/03/2013 18:51
Anthracene	ND	0.25	1	09/03/2013 18:51
Benzidine	ND	1.3	1	09/03/2013 18:51
Benzo (a) anthracene	ND	0.25	1	09/03/2013 18:51
Benzo (b) fluoranthene	ND	0.25	1	09/03/2013 18:51
Benzo (k) fluoranthene	ND	0.25	1	09/03/2013 18:51
Benzo (g,h,i) perylene	ND	0.25	1	09/03/2013 18:51
Benzo (a) pyrene	ND	0.25	1	09/03/2013 18:51
Benzyl Alcohol	ND	1.3	1	09/03/2013 18:51
1,1-Biphenyl	ND	0.25	1	09/03/2013 18:51
Bis (2-chloroethoxy) Methane	ND	0.25	1	09/03/2013 18:51
Bis (2-chloroethyl) Ether	ND	0.25	1	09/03/2013 18:51
Bis (2-chloroisopropyl) Ether	ND	0.25	1	09/03/2013 18:51
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	09/03/2013 18:51
4-Bromophenyl Phenyl Ether	ND	0.25	1	09/03/2013 18:51
Butylbenzyl Phthalate	ND	0.25	1	09/03/2013 18:51
4-Chloroaniline	ND	0.25	1	09/03/2013 18:51
4-Chloro-3-methylphenol	ND	0.25	1	09/03/2013 18:51
2-Chloronaphthalene	ND	0.25	1	09/03/2013 18:51
2-Chlorophenol	ND	0.25	1	09/03/2013 18:51
4-Chlorophenyl Phenyl Ether	ND	0.25	1	09/03/2013 18:51
Chrysene	ND	0.25	1	09/03/2013 18:51
Dibenzo (a,h) anthracene	ND	0.25	1	09/03/2013 18:51
Dibenzofuran	ND	0.25	1	09/03/2013 18:51
Di-n-butyl Phthalate	ND	0.25	1	09/03/2013 18:51
1,2-Dichlorobenzene	ND	0.25	1	09/03/2013 18:51
1,3-Dichlorobenzene	ND	0.25	1	09/03/2013 18:51
1,4-Dichlorobenzene	ND	0.25	1	09/03/2013 18:51
3,3-Dichlorobenzidine	ND	0.50	1	09/03/2013 18:51
2,4-Dichlorophenol	ND	0.25	1	09/03/2013 18:51
Diethyl Phthalate	ND	0.25	1	09/03/2013 18:51
2,4-Dimethylphenol	ND	0.25	1	09/03/2013 18:51
Dimethyl Phthalate	ND	0.25	1	09/03/2013 18:51
4,6-Dinitro-2-methylphenol	ND	1.3	1	09/03/2013 18:51
2,4-Dinitrophenol	ND	6.3	1	09/03/2013 18:51
2,4-Dinitrotoluene	ND	0.25	1	09/03/2013 18:51

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW3550B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8270C
Date Prepared:	8/29/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-9.5	**1308A18-002A**	**Soil**	**08/28/2013 09:55**	**GC21**	**81166**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	09/03/2013 18:51
Di-n-octyl Phthalate	ND	0.50	1	09/03/2013 18:51
1,2-Diphenylhydrazine	ND	0.25	1	09/03/2013 18:51
Fluoranthene	ND	0.25	1	09/03/2013 18:51
Fluorene	ND	0.25	1	09/03/2013 18:51
Hexachlorobenzene	ND	0.25	1	09/03/2013 18:51
Hexachlorobutadiene	ND	0.25	1	09/03/2013 18:51
Hexachlorocyclopentadiene	ND	1.3	1	09/03/2013 18:51
Hexachloroethane	ND	0.25	1	09/03/2013 18:51
Indeno (1,2,3-cd) pyrene	ND	0.25	1	09/03/2013 18:51
Isophorone	ND	0.25	1	09/03/2013 18:51
2-Methylnaphthalene	ND	0.25	1	09/03/2013 18:51
2-Methylphenol (o-Cresol)	ND	0.25	1	09/03/2013 18:51
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	09/03/2013 18:51
Naphthalene	ND	0.25	1	09/03/2013 18:51
2-Nitroaniline	ND	1.3	1	09/03/2013 18:51
3-Nitroaniline	ND	1.3	1	09/03/2013 18:51
4-Nitroaniline	ND	1.3	1	09/03/2013 18:51
Nitrobenzene	ND	0.25	1	09/03/2013 18:51
2-Nitrophenol	ND	1.3	1	09/03/2013 18:51
4-Nitrophenol	ND	1.3	1	09/03/2013 18:51
N-Nitrosodiphenylamine	ND	0.25	1	09/03/2013 18:51
N-Nitrosodi-n-propylamine	ND	0.25	1	09/03/2013 18:51
Pentachlorophenol	ND	1.3	1	09/03/2013 18:51
Phenanthrene	ND	0.25	1	09/03/2013 18:51
Phenol	ND	0.25	1	09/03/2013 18:51
Pyrene	ND	0.25	1	09/03/2013 18:51
1,2,4-Trichlorobenzene	ND	0.25	1	09/03/2013 18:51
2,4,5-Trichlorophenol	ND	0.25	1	09/03/2013 18:51
2,4,6-Trichlorophenol	ND	0.25	1	09/03/2013 18:51

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW3550B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8270C
Date Prepared:	8/29/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-9.5	**1308A18-002A**	**Soil**	**08/28/2013 09:55**	**GC21**	**81166**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	97	30-130		09/03/2013 18:51
Phenol-d5	82	30-130		09/03/2013 18:51
Nitrobenzene-d5	89	30-130		09/03/2013 18:51
2-Fluorobiphenyl	85	30-130		09/03/2013 18:51
2,4,6-Tribromophenol	67	30-130		09/03/2013 18:51
4-Terphenyl-d14	80	30-130		09/03/2013 18:51

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	8/29/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-4.5	**1308A18-001A**	**Soil**	**08/28/2013 09:40**	**GC7**	**81144**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	08/30/2013 18:14
MTBE	---	0.050	1	08/30/2013 18:14
Benzene	---	0.0050	1	08/30/2013 18:14
Toluene	---	0.0050	1	08/30/2013 18:14
Ethylbenzene	---	0.0050	1	08/30/2013 18:14
Xylenes	---	0.0050	1	08/30/2013 18:14

Surrogates	REC (%)	Limits	
2-fluorotoluene	90	70-130	08/30/2013 18:14

B4-9.5	1308A18-002A	Soil	08/28/2013 09:55	GC7	81144

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	08/30/2013 18:46
MTBE	---	0.050	1	08/30/2013 18:46
Benzene	---	0.0050	1	08/30/2013 18:46
Toluene	---	0.0050	1	08/30/2013 18:46
Ethylbenzene	---	0.0050	1	08/30/2013 18:46
Xylenes	---	0.0050	1	08/30/2013 18:46

Surrogates	REC (%)	Limits	
2-fluorotoluene	88	70-130	08/30/2013 18:46

B4-14.5	1308A18-003A	Soil	08/28/2013 10:10	GC7	81144

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	08/30/2013 19:17
MTBE	---	0.050	1	08/30/2013 19:17
Benzene	---	0.0050	1	08/30/2013 19:17
Toluene	---	0.0050	1	08/30/2013 19:17
Ethylbenzene	---	0.0050	1	08/30/2013 19:17
Xylenes	---	0.0050	1	08/30/2013 19:17

Surrogates	REC (%)	Limits	
2-fluorotoluene	84	70-130	08/30/2013 19:17

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW3050B
Date Received:	8/29/13 16:01	**Analytical Method:**	SW6010B
Date Prepared:	8/29/13	**Unit:**	mg/Kg

Lead by ICP

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-4.5	**1308A18-001A**	**Soil/TOTAL**	**08/28/2013 09:40**	**ICP-JY**	**81145**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	08/30/2013 09:54

Surrogates	REC (%)	Limits	
Tb 350.917	113	70-130	08/30/2013 09:54

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-9.5	**1308A18-002A**	**Soil/TOTAL**	**08/28/2013 09:55**	**ICP-JY**	**81145**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	08/30/2013 09:56

Surrogates	REC (%)	Limits	
Tb 350.917	119	70-130	08/30/2013 09:56

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-14.5	**1308A18-003A**	**Soil/TOTAL**	**08/28/2013 10:10**	**ICP-JY**	**81145**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	08/30/2013 09:47

Surrogates	REC (%)	Limits	
Tb 350.917	118	70-130	08/30/2013 09:47

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW3550B/3630C
Date Received:	8/29/13 16:01	**Analytical Method:**	SW8015B
Date Prepared:	8/29/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B4-4.5	**1308A18-001A**	**Soil**	**08/28/2013 09:40**	**GC6A**	**81160**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.9**	1.0	1	09/02/2013 10:43
TPH-Motor Oil (C18-C36)	ND	5.0	1	09/02/2013 10:43
TPH-Bunker Oil (C10-C36)	**5.7**	5.0	1	09/02/2013 10:43

Surrogates	REC (%)	Limits	Analytical Comments: e2
C9	110	70-130	09/02/2013 10:43

B4-9.5	1308A18-002A	Soil	08/28/2013 09:55	GC9b	81160

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.6**	1.0	1	09/06/2013 08:35
TPH-Motor Oil (C18-C36)	ND	5.0	1	09/06/2013 08:35
TPH-Bunker Oil (C10-C36)	ND	5.0	1	09/06/2013 08:35

Surrogates	REC (%)	Limits	Analytical Comments: e2,e6
C9	102	70-130	09/06/2013 08:35

B4-14.5	1308A18-003A	Soil	08/28/2013 10:10	GC9a	81160

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.2**	1.0	1	09/05/2013 03:10
TPH-Motor Oil (C18-C36)	**5.7**	5.0	1	09/05/2013 03:10
TPH-Bunker Oil (C10-C36)	**6.1**	5.0	1	09/05/2013 03:10

Surrogates	REC (%)	Limits	Analytical Comments: e7,e2
C9	100	70-130	09/05/2013 03:10

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Date Prepared:	8/29/13	**BatchID:**	81144
Date Analyzed:	8/29/13	**Extraction Method**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-81144 1308A05-004AMS/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	0.6083	0.40	0.60	-	101	70-130
MTBE	ND	0.09456	0.050	0.10	-	94.6	70-130
Benzene	ND	0.1159	0.0050	0.10	-	116	70-130
Toluene	ND	0.1199	0.0050	0.10	-	117	70-130
Ethylbenzene	ND	0.1161	0.0050	0.10	-	116	70-130
Xylenes	ND	0.3678	0.0050	0.30	-	123	70-130
Surrogate Recovery							
2-fluorotoluene	0.09581	0.106		0.10	96	106	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.62	0.6221	0.60	ND	103	104	70-130	0	20
MTBE	0.09032	0.09059	0.10	ND	90.3	90.6	70-130	0	20
Benzene	0.1031	0.1051	0.10	ND	103	105	70-130	0	20
Toluene	0.1084	0.1107	0.10	ND	106	108	70-130	0	20
Ethylbenzene	0.1064	0.1095	0.10	ND	106	109	70-130	0	20
Xylenes	0.3394	0.3505	0.30	ND	113	117	70-130	0	20
Surrogate Recovery									
2-fluorotoluene	0.09447	0.09658	0.10	98	94	97	70-130	0	20

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Date Prepared:	8/29/13	**BatchID:**	81149
Date Analyzed:	8/30/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-81149 1308611-006AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.050	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.04157	0.0050	0.050	-	74.7	70-130
Benzene	ND	0.045	0.0050	0.050	-	90	70-130
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	0.2095	0.050	0.20	-	105	70-130
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	0.04909	0.0050	0.050	-	98.2	70-130
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	0.04783	0.0040	0.050	-	95.7	70-130
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	0.04362	0.0040	0.050	-	87.2	70-130
1,1-Dichloroethene	ND	0.05077	0.0050	0.050	-	102	70-130
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	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Date Prepared:	8/29/13	**BatchID:**	81149
Date Analyzed:	8/30/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-81149 1308611-006AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
Diisopropyl ether (DIPE)	ND	0.04435	0.0050	0.050	-	88.7	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04371	0.0050	0.050	-	87.4	70-130
Freon 113	ND	-	0.10	-	-	-	-
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	0.04158	0.0050	0.050	-	83.2	70-130
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	0.05288	0.0050	0.050	-	106	70-130
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	0.04614	0.0050	0.050	-	92.3	70-130
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	-	-	-	-
Surrogate Recovery							
dibromofluromethane	0.1101	0.1134		0.12	88	91	70-130
toluene-d8	0.131	0.1284		0.12	105	103	70-130
4-BFB	0.01404	0.01377		0.012	112	110	70-130

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Date Prepared:	8/29/13	**BatchID:**	81149
Date Analyzed:	8/30/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/kg
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-81149 1308611-006AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.04646	0.04501	0.050	ND	92.9	90	56-94	3.17	30
Benzene	0.04207	0.04077	0.050	ND	84.1	81.5	60-106	3.13	30
t-Butyl alcohol (TBA)	0.2997	0.2717	0.20	ND	150,F1	136	56-140	9.80	30
Chlorobenzene	0.04723	0.04575	0.050	ND	94.5	91.5	61-108	3.19	30
1,2-Dibromoethane (EDB)	0.05408	0.0499	0.050	ND	108	99.8	54-119	8.02	30
1,2-Dichloroethane (1,2-DCA)	0.04299	0.04206	0.050	ND	86	84.1	48-115	2.19	30
1,1-Dichloroethene	0.04833	0.0464	0.050	ND	96.7	92.8	46-111	4.08	30
Diisopropyl ether (DIPE)	0.04493	0.04326	0.050	ND	89.9	86.5	53-111	3.78	30
Ethyl tert-butyl ether (ETBE)	0.04644	0.04524	0.050	ND	92.9	90.5	61-104	2.61	30
Methyl-t-butyl ether (MTBE)	0.04721	0.04499	0.050	ND	94.4	90	58-107	4.81	30
Toluene	0.04958	0.04531	0.050	ND	99.2	90.6	64-114	8.99	30
Trichloroethene	0.04721	0.04552	0.050	ND	94.4	91	60-116	3.64	30
Surrogate Recovery									
dibromofluromethane	0.1176	0.1187	0.12	0	94	95	70-130	0.934	30
toluene-d8	0.1239	0.1208	0.12	0	99	97	70-130	2.53	30
4-BFB	0.0126	0.01256	0.012	0	101	100	70-130	0.318	30

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Date Prepared:	8/29/13	**BatchID:**	81160
Date Analyzed:	8/31/13	**Extraction Method**	SW3550B/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-81160 1308A18-003AMS/MSD

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	40.85	1.0	40	-	102	70-130
Surrogate Recovery							
C9	25.03	25		25	100	100	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)	47.35	47.72	40	1.2	115	116	70-130	0.785	30
Surrogate Recovery									
C9	27.93	28	25	100	112	112	70-130	0	30

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Date Prepared:	8/29/13	**BatchID:**	81166
Date Analyzed:	8/30/13	**Extraction Method**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-81166 1308A31-003AMS/MSD

QC SUMMARY REPORT FOR SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	4.588	0.25	5	-	91.8	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 (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	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	-	0.25	-	-	-	-
4-Chloro-3-methylphenol	ND	4.871	0.25	5	-	97.4	30-130
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	4.975	0.25	5	-	99.5	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	4.621	0.25	5	-	92.4	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	-	-	-	-
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	4.706	0.25	5	-	94.1	30-130

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Date Prepared:	8/29/13	**BatchID:**	81166
Date Analyzed:	8/30/13	**Extraction Method**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-81166 1308A31-003AMS/MSD

QC SUMMARY REPORT FOR SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
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 &/or 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	3.703	1.3	5	-	74.1	30-130
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	4.018	0.25	5	-	80.4	30-130
Pentachlorophenol	ND	3.986	1.3	5	-	79.7	30-130
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	4.81	0.25	5	-	96.2	30-130
Pyrene	ND	4.8	0.25	5	-	96	30-130
1,2,4-Trichlorobenzene	ND	5.205	0.25	5	-	104	30-130
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-
Surrogate Recovery							
2-Fluorophenol	4.313	4.731		5	86	95	30-130
Phenol-d5	4.115	4.567		5	82	91	30-130
Nitrobenzene-d5	3.9	4.894		5	78	98	30-130
2-Fluorobiphenyl	3.597	4.309		5	72	86	30-130
2,4,6-Tribromophenol	2.984	3.961		5	60	79	30-130
4-Terphenyl-d14	3.505	4.221		5	70	84	30-130

(Cont.)

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Date Prepared:	8/29/13	**BatchID:**	81166
Date Analyzed:	8/30/13	**Extraction Method**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-81166 1308A31-003AMS/MSD

QC SUMMARY REPORT FOR SW8270C

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	NR	NR	0	ND<10	NR	NR	-	NR	
4-Chloro-3-methylphenol	NR	NR	0	ND<10	NR	NR	-	NR	
2-Chlorophenol	NR	NR	0	ND<10	NR	NR	-	NR	
1,4-Dichlorobenzene	NR	NR	0	ND<10	NR	NR	-	NR	
2,4-Dinitrotoluene	NR	NR	0	ND<10	NR	NR	-	NR	
4-Nitrophenol	NR	NR	0	ND<52	NR	NR	-	NR	
N-Nitrosodi-n-propylamine	NR	NR	0	ND<10	NR	NR	-	NR	
Pentachlorophenol	NR	NR	0	ND<52	NR	NR	-	NR	
Phenol	NR	NR	0	ND<10	NR	NR	-	NR	
Pyrene	NR	NR	0	ND<10	NR	NR	-	NR	
1,2,4-Trichlorobenzene	NR	NR	0	ND<10	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorophenol	NR	NR	0	64	NR	NR	-	NR	
Phenol-d5	NR	NR	0	62	NR	NR	-	NR	
Nitrobenzene-d5	NR	NR	0	74	NR	NR	-	NR	
2-Fluorobiphenyl	NR	NR	0	72	NR	NR	-	NR	
2,4,6-Tribromophenol	NR	NR	0	32	NR	NR	-	NR	
4-Terphenyl-d14	NR	NR	0	60	NR	NR	-	NR	

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1308A18
Date Prepared:	8/29/13	**BatchID:**	81145
Date Analyzed:	9/6/13	**Extraction Method:**	SW3050B
Instrument:	ICP-JY	**Analytical Method:**	SW6010B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-81145 1308A18-003AMS/MSD

QC SUMMARY REPORT FOR 6010B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	43.9	5.0	50	-	87.8	75-125
Surrogate Recovery							
Tb 350.917	498.8	494.5		500	100	99	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	63.08	60.42	50	ND	119	114	75-125	4.29	25
Surrogate Recovery									
Tb 350.917	604.5	577.5	500	118	121	116	70-130	4.57	20

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(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1308A18 **ClientCode: PDEO**

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

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

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0590; 1900 Webster St.

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

Requested TAT: **5 days**

Date Received: **08/29/2013**
Date Printed: **08/29/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1308A18-001	B4-4.5	Soil	8/28/2013 9:40	☐	A	A	A	A								
1308A18-002	B4-9.5	Soil	8/28/2013 9:55	☐	A	A	A	A								
1308A18-003	B4-14.5	Soil	8/28/2013 10:10	☐	A		A	A								

Test Legend:

1	8260B_S	2	8270D_S	3	PB_S	4	TPH-WSG_S	5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A contain testgroup.

Prepared by: Zoraida Cortez

Comments:

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

1308A18

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

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

PROJECT NUMBER: 0590

PROJECT NAME: 1900 WEBSTER ST. OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE) MICHAEL BASS-DESCHENES

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH-(GD)(BD)(MO) silica gel cleanup	EPA 8260	EPA 8270	TOTAL LEAD	PRESERVATIVE	REMARKS
B4-4.5	8/28/13	0940	SOIL		1	X	X	X	X	ICE	NORMAL TAT
B4-9.5	"	0955	"		1	X	X	X	X	"	" "
B4-14.5	"	1010	"		1	X	X	X		"	" "
B4-19.5	"	1100	"		1	X	X	X		"	HOLD

ICE/T 5.8
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB
PRESERVATION: VOAS | O&G | METALS | OTHER

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment) 4	LABORATORY: MCCAMPBELL ANALYTICAL, INC.
RELINQUISHED BY: (SIGNATURE) 8/29/13	DATE 8/29/13	TIME 1500	RECEIVED BY: (SIGNATURE)	Total No. of Containers (This Shipment) 4	LABORATORY CONTACT: ANGELA RYDELIN
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO	LABORATORY PHONE NUMBER: (877) 252-9262

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

REMARKS:

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Sample Receipt Checklist

Client Name: **P & D Environmental** Date and Time Received: **8/29/2013 4:01:12 PM**

Project Name: **#0590; 1900 Webster St.** LogIn Reviewed by: Zoraida Cortez

WorkOrder N°: **1308A18** Matrix: Soil Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 5.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1310135

Report Created for: P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Project Contact: Paul King
Project P.O.:
Project Name: #0590; 1900 Webster St. Oakland

Project Received: 10/03/2013

Analytical Report reviewed & approved for release on 10/10/2013 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

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Glossary of Terms & Qualifier Definitions

Client: P & D Environmental
Project: #0590; 1900 Webster St. Oakland
WorkOrder: 1310135

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
e2	diesel range compounds are significant; no recognizable pattern
e7	oil range compounds are significant
e11	stoddard solvent/mineral spirit (?)

Quality Control Qualifier	
F2	LCS recovery for this compound is outside of acceptance limits.

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-5.0	1310135-001A	Soil	10/02/2013 10:30	GC16	82464

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/05/2013 19:24
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/05/2013 19:24
Benzene	ND	0.0050	1	10/05/2013 19:24
Bromobenzene	ND	0.0050	1	10/05/2013 19:24
Bromochloromethane	ND	0.0050	1	10/05/2013 19:24
Bromodichloromethane	ND	0.0050	1	10/05/2013 19:24
Bromoform	ND	0.0050	1	10/05/2013 19:24
Bromomethane	ND	0.0050	1	10/05/2013 19:24
2-Butanone (MEK)	ND	0.020	1	10/05/2013 19:24
t-Butyl alcohol (TBA)	ND	0.050	1	10/05/2013 19:24
n-Butyl benzene	ND	0.0050	1	10/05/2013 19:24
sec-Butyl benzene	ND	0.0050	1	10/05/2013 19:24
tert-Butyl benzene	ND	0.0050	1	10/05/2013 19:24
Carbon Disulfide	ND	0.0050	1	10/05/2013 19:24
Carbon Tetrachloride	ND	0.0050	1	10/05/2013 19:24
Chlorobenzene	ND	0.0050	1	10/05/2013 19:24
Chloroethane	ND	0.0050	1	10/05/2013 19:24
Chloroform	ND	0.0050	1	10/05/2013 19:24
Chloromethane	ND	0.0050	1	10/05/2013 19:24
2-Chlorotoluene	ND	0.0050	1	10/05/2013 19:24
4-Chlorotoluene	ND	0.0050	1	10/05/2013 19:24
Dibromochloromethane	ND	0.0050	1	10/05/2013 19:24
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/05/2013 19:24
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/05/2013 19:24
Dibromomethane	ND	0.0050	1	10/05/2013 19:24
1,2-Dichlorobenzene	ND	0.0050	1	10/05/2013 19:24
1,3-Dichlorobenzene	ND	0.0050	1	10/05/2013 19:24
1,4-Dichlorobenzene	ND	0.0050	1	10/05/2013 19:24
Dichlorodifluoromethane	ND	0.0050	1	10/05/2013 19:24
1,1-Dichloroethane	ND	0.0050	1	10/05/2013 19:24
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/05/2013 19:24
1,1-Dichloroethene	ND	0.0050	1	10/05/2013 19:24
cis-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 19:24
trans-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 19:24
1,2-Dichloropropane	ND	0.0050	1	10/05/2013 19:24
1,3-Dichloropropane	ND	0.0050	1	10/05/2013 19:24
2,2-Dichloropropane	ND	0.0050	1	10/05/2013 19:24
1,1-Dichloropropene	ND	0.0050	1	10/05/2013 19:24

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-5.0	**1310135-001A**	**Soil**	**10/02/2013 10:30**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 19:24
trans-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 19:24
Diisopropyl ether (DIPE)	ND	0.0050	1	10/05/2013 19:24
Ethylbenzene	ND	0.0050	1	10/05/2013 19:24
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/05/2013 19:24
Freon 113	ND	0.10	1	10/05/2013 19:24
Hexachlorobutadiene	ND	0.0050	1	10/05/2013 19:24
Hexachloroethane	ND	0.0050	1	10/05/2013 19:24
2-Hexanone	ND	0.0050	1	10/05/2013 19:24
Isopropylbenzene	ND	0.0050	1	10/05/2013 19:24
4-Isopropyl toluene	ND	0.0050	1	10/05/2013 19:24
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/05/2013 19:24
Methylene chloride	ND	0.0050	1	10/05/2013 19:24
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/05/2013 19:24
Naphthalene	ND	0.0050	1	10/05/2013 19:24
n-Propyl benzene	ND	0.0050	1	10/05/2013 19:24
Styrene	ND	0.0050	1	10/05/2013 19:24
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 19:24
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 19:24
Tetrachloroethene	ND	0.0050	1	10/05/2013 19:24
Toluene	ND	0.0050	1	10/05/2013 19:24
1,2,3-Trichlorobenzene	ND	0.0050	1	10/05/2013 19:24
1,2,4-Trichlorobenzene	ND	0.0050	1	10/05/2013 19:24
1,1,1-Trichloroethane	ND	0.0050	1	10/05/2013 19:24
1,1,2-Trichloroethane	ND	0.0050	1	10/05/2013 19:24
Trichloroethene	ND	0.0050	1	10/05/2013 19:24
Trichlorofluoromethane	ND	0.0050	1	10/05/2013 19:24
1,2,3-Trichloropropane	ND	0.0050	1	10/05/2013 19:24
1,2,4-Trimethylbenzene	ND	0.0050	1	10/05/2013 19:24
1,3,5-Trimethylbenzene	ND	0.0050	1	10/05/2013 19:24
Vinyl Chloride	ND	0.0050	1	10/05/2013 19:24
Xylenes, Total	ND	0.0050	1	10/05/2013 19:24

Surrogates	REC (%)	Limits	
dibromofluromethane	97	70-130	10/05/2013 19:24
toluene-d8	102	70-130	10/05/2013 19:24
4-BFB	98	70-130	10/05/2013 19:24

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-9.5	**1310135-002A**	**Soil**	**10/02/2013 10:40**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/05/2013 20:50
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/05/2013 20:50
Benzene	ND	0.0050	1	10/05/2013 20:50
Bromobenzene	ND	0.0050	1	10/05/2013 20:50
Bromochloromethane	ND	0.0050	1	10/05/2013 20:50
Bromodichloromethane	ND	0.0050	1	10/05/2013 20:50
Bromoform	ND	0.0050	1	10/05/2013 20:50
Bromomethane	ND	0.0050	1	10/05/2013 20:50
2-Butanone (MEK)	ND	0.020	1	10/05/2013 20:50
t-Butyl alcohol (TBA)	ND	0.050	1	10/05/2013 20:50
n-Butyl benzene	ND	0.0050	1	10/05/2013 20:50
sec-Butyl benzene	ND	0.0050	1	10/05/2013 20:50
tert-Butyl benzene	ND	0.0050	1	10/05/2013 20:50
Carbon Disulfide	ND	0.0050	1	10/05/2013 20:50
Carbon Tetrachloride	ND	0.0050	1	10/05/2013 20:50
Chlorobenzene	ND	0.0050	1	10/05/2013 20:50
Chloroethane	ND	0.0050	1	10/05/2013 20:50
Chloroform	ND	0.0050	1	10/05/2013 20:50
Chloromethane	ND	0.0050	1	10/05/2013 20:50
2-Chlorotoluene	ND	0.0050	1	10/05/2013 20:50
4-Chlorotoluene	ND	0.0050	1	10/05/2013 20:50
Dibromochloromethane	ND	0.0050	1	10/05/2013 20:50
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/05/2013 20:50
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/05/2013 20:50
Dibromomethane	ND	0.0050	1	10/05/2013 20:50
1,2-Dichlorobenzene	ND	0.0050	1	10/05/2013 20:50
1,3-Dichlorobenzene	ND	0.0050	1	10/05/2013 20:50
1,4-Dichlorobenzene	ND	0.0050	1	10/05/2013 20:50
Dichlorodifluoromethane	ND	0.0050	1	10/05/2013 20:50
1,1-Dichloroethane	ND	0.0050	1	10/05/2013 20:50
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/05/2013 20:50
1,1-Dichloroethene	ND	0.0050	1	10/05/2013 20:50
cis-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 20:50
trans-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 20:50
1,2-Dichloropropane	ND	0.0050	1	10/05/2013 20:50
1,3-Dichloropropane	ND	0.0050	1	10/05/2013 20:50
2,2-Dichloropropane	ND	0.0050	1	10/05/2013 20:50
1,1-Dichloropropene	ND	0.0050	1	10/05/2013 20:50

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-9.5	**1310135-002A**	**Soil**	**10/02/2013 10:40**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 20:50
trans-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 20:50
Diisopropyl ether (DIPE)	ND	0.0050	1	10/05/2013 20:50
Ethylbenzene	ND	0.0050	1	10/05/2013 20:50
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/05/2013 20:50
Freon 113	ND	0.10	1	10/05/2013 20:50
Hexachlorobutadiene	ND	0.0050	1	10/05/2013 20:50
Hexachloroethane	ND	0.0050	1	10/05/2013 20:50
2-Hexanone	ND	0.0050	1	10/05/2013 20:50
Isopropylbenzene	ND	0.0050	1	10/05/2013 20:50
4-Isopropyl toluene	ND	0.0050	1	10/05/2013 20:50
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/05/2013 20:50
Methylene chloride	ND	0.0050	1	10/05/2013 20:50
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/05/2013 20:50
Naphthalene	ND	0.0050	1	10/05/2013 20:50
n-Propyl benzene	ND	0.0050	1	10/05/2013 20:50
Styrene	ND	0.0050	1	10/05/2013 20:50
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 20:50
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 20:50
Tetrachloroethene	ND	0.0050	1	10/05/2013 20:50
Toluene	ND	0.0050	1	10/05/2013 20:50
1,2,3-Trichlorobenzene	ND	0.0050	1	10/05/2013 20:50
1,2,4-Trichlorobenzene	ND	0.0050	1	10/05/2013 20:50
1,1,1-Trichloroethane	ND	0.0050	1	10/05/2013 20:50
1,1,2-Trichloroethane	ND	0.0050	1	10/05/2013 20:50
Trichloroethene	ND	0.0050	1	10/05/2013 20:50
Trichlorofluoromethane	ND	0.0050	1	10/05/2013 20:50
1,2,3-Trichloropropane	ND	0.0050	1	10/05/2013 20:50
1,2,4-Trimethylbenzene	ND	0.0050	1	10/05/2013 20:50
1,3,5-Trimethylbenzene	ND	0.0050	1	10/05/2013 20:50
Vinyl Chloride	ND	0.0050	1	10/05/2013 20:50
Xylenes, Total	ND	0.0050	1	10/05/2013 20:50

Surrogates	REC (%)	Limits	
dibromofluromethane	98	70-130	10/05/2013 20:50
toluene-d8	101	70-130	10/05/2013 20:50
4-BFB	102	70-130	10/05/2013 20:50

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-14.5	**1310135-003A**	**Soil**	**10/02/2013 11:00**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/05/2013 21:33
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/05/2013 21:33
Benzene	ND	0.0050	1	10/05/2013 21:33
Bromobenzene	ND	0.0050	1	10/05/2013 21:33
Bromochloromethane	ND	0.0050	1	10/05/2013 21:33
Bromodichloromethane	ND	0.0050	1	10/05/2013 21:33
Bromoform	ND	0.0050	1	10/05/2013 21:33
Bromomethane	ND	0.0050	1	10/05/2013 21:33
2-Butanone (MEK)	ND	0.020	1	10/05/2013 21:33
t-Butyl alcohol (TBA)	ND	0.050	1	10/05/2013 21:33
n-Butyl benzene	**0.0066**	0.0050	1	10/05/2013 21:33
sec-Butyl benzene	ND	0.0050	1	10/05/2013 21:33
tert-Butyl benzene	ND	0.0050	1	10/05/2013 21:33
Carbon Disulfide	ND	0.0050	1	10/05/2013 21:33
Carbon Tetrachloride	ND	0.0050	1	10/05/2013 21:33
Chlorobenzene	ND	0.0050	1	10/05/2013 21:33
Chloroethane	ND	0.0050	1	10/05/2013 21:33
Chloroform	ND	0.0050	1	10/05/2013 21:33
Chloromethane	ND	0.0050	1	10/05/2013 21:33
2-Chlorotoluene	ND	0.0050	1	10/05/2013 21:33
4-Chlorotoluene	ND	0.0050	1	10/05/2013 21:33
Dibromochloromethane	ND	0.0050	1	10/05/2013 21:33
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/05/2013 21:33
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/05/2013 21:33
Dibromomethane	ND	0.0050	1	10/05/2013 21:33
1,2-Dichlorobenzene	ND	0.0050	1	10/05/2013 21:33
1,3-Dichlorobenzene	ND	0.0050	1	10/05/2013 21:33
1,4-Dichlorobenzene	ND	0.0050	1	10/05/2013 21:33
Dichlorodifluoromethane	ND	0.0050	1	10/05/2013 21:33
1,1-Dichloroethane	ND	0.0050	1	10/05/2013 21:33
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/05/2013 21:33
1,1-Dichloroethene	ND	0.0050	1	10/05/2013 21:33
cis-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 21:33
trans-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 21:33
1,2-Dichloropropane	ND	0.0050	1	10/05/2013 21:33
1,3-Dichloropropane	ND	0.0050	1	10/05/2013 21:33
2,2-Dichloropropane	ND	0.0050	1	10/05/2013 21:33
1,1-Dichloropropene	ND	0.0050	1	10/05/2013 21:33

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-14.5	**1310135-003A**	**Soil**	**10/02/2013 11:00**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 21:33
trans-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 21:33
Diisopropyl ether (DIPE)	ND	0.0050	1	10/05/2013 21:33
Ethylbenzene	ND	0.0050	1	10/05/2013 21:33
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/05/2013 21:33
Freon 113	ND	0.10	1	10/05/2013 21:33
Hexachlorobutadiene	ND	0.0050	1	10/05/2013 21:33
Hexachloroethane	ND	0.0050	1	10/05/2013 21:33
2-Hexanone	ND	0.0050	1	10/05/2013 21:33
Isopropylbenzene	ND	0.0050	1	10/05/2013 21:33
4-Isopropyl toluene	ND	0.0050	1	10/05/2013 21:33
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/05/2013 21:33
Methylene chloride	ND	0.0050	1	10/05/2013 21:33
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/05/2013 21:33
Naphthalene	**0.015**	0.0050	1	10/05/2013 21:33
n-Propyl benzene	ND	0.0050	1	10/05/2013 21:33
Styrene	ND	0.0050	1	10/05/2013 21:33
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 21:33
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 21:33
Tetrachloroethene	ND	0.0050	1	10/05/2013 21:33
Toluene	ND	0.0050	1	10/05/2013 21:33
1,2,3-Trichlorobenzene	ND	0.0050	1	10/05/2013 21:33
1,2,4-Trichlorobenzene	ND	0.0050	1	10/05/2013 21:33
1,1,1-Trichloroethane	ND	0.0050	1	10/05/2013 21:33
1,1,2-Trichloroethane	ND	0.0050	1	10/05/2013 21:33
Trichloroethene	ND	0.0050	1	10/05/2013 21:33
Trichlorofluoromethane	ND	0.0050	1	10/05/2013 21:33
1,2,3-Trichloropropane	ND	0.0050	1	10/05/2013 21:33
1,2,4-Trimethylbenzene	**0.0068**	0.0050	1	10/05/2013 21:33
1,3,5-Trimethylbenzene	ND	0.0050	1	10/05/2013 21:33
Vinyl Chloride	ND	0.0050	1	10/05/2013 21:33
Xylenes, Total	ND	0.0050	1	10/05/2013 21:33

Surrogates	REC (%)	Limits	
dibromofluromethane	98	70-130	10/05/2013 21:33
toluene-d8	101	70-130	10/05/2013 21:33
4-BFB	99	70-130	10/05/2013 21:33

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-5.0	**1310135-005A**	**Soil**	**10/02/2013 08:50**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/05/2013 22:15
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/05/2013 22:15
Benzene	ND	0.0050	1	10/05/2013 22:15
Bromobenzene	ND	0.0050	1	10/05/2013 22:15
Bromochloromethane	ND	0.0050	1	10/05/2013 22:15
Bromodichloromethane	ND	0.0050	1	10/05/2013 22:15
Bromoform	ND	0.0050	1	10/05/2013 22:15
Bromomethane	ND	0.0050	1	10/05/2013 22:15
2-Butanone (MEK)	ND	0.020	1	10/05/2013 22:15
t-Butyl alcohol (TBA)	ND	0.050	1	10/05/2013 22:15
n-Butyl benzene	ND	0.0050	1	10/05/2013 22:15
sec-Butyl benzene	ND	0.0050	1	10/05/2013 22:15
tert-Butyl benzene	ND	0.0050	1	10/05/2013 22:15
Carbon Disulfide	ND	0.0050	1	10/05/2013 22:15
Carbon Tetrachloride	ND	0.0050	1	10/05/2013 22:15
Chlorobenzene	ND	0.0050	1	10/05/2013 22:15
Chloroethane	ND	0.0050	1	10/05/2013 22:15
Chloroform	ND	0.0050	1	10/05/2013 22:15
Chloromethane	ND	0.0050	1	10/05/2013 22:15
2-Chlorotoluene	ND	0.0050	1	10/05/2013 22:15
4-Chlorotoluene	ND	0.0050	1	10/05/2013 22:15
Dibromochloromethane	ND	0.0050	1	10/05/2013 22:15
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/05/2013 22:15
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/05/2013 22:15
Dibromomethane	ND	0.0050	1	10/05/2013 22:15
1,2-Dichlorobenzene	ND	0.0050	1	10/05/2013 22:15
1,3-Dichlorobenzene	ND	0.0050	1	10/05/2013 22:15
1,4-Dichlorobenzene	ND	0.0050	1	10/05/2013 22:15
Dichlorodifluoromethane	ND	0.0050	1	10/05/2013 22:15
1,1-Dichloroethane	ND	0.0050	1	10/05/2013 22:15
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/05/2013 22:15
1,1-Dichloroethene	ND	0.0050	1	10/05/2013 22:15
cis-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 22:15
trans-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 22:15
1,2-Dichloropropane	ND	0.0050	1	10/05/2013 22:15
1,3-Dichloropropane	ND	0.0050	1	10/05/2013 22:15
2,2-Dichloropropane	ND	0.0050	1	10/05/2013 22:15
1,1-Dichloropropene	ND	0.0050	1	10/05/2013 22:15

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-5.0	**1310135-005A**	**Soil**	**10/02/2013 08:50**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 22:15
trans-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 22:15
Diisopropyl ether (DIPE)	ND	0.0050	1	10/05/2013 22:15
Ethylbenzene	ND	0.0050	1	10/05/2013 22:15
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/05/2013 22:15
Freon 113	ND	0.10	1	10/05/2013 22:15
Hexachlorobutadiene	ND	0.0050	1	10/05/2013 22:15
Hexachloroethane	ND	0.0050	1	10/05/2013 22:15
2-Hexanone	ND	0.0050	1	10/05/2013 22:15
Isopropylbenzene	ND	0.0050	1	10/05/2013 22:15
4-Isopropyl toluene	ND	0.0050	1	10/05/2013 22:15
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/05/2013 22:15
Methylene chloride	ND	0.0050	1	10/05/2013 22:15
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/05/2013 22:15
Naphthalene	ND	0.0050	1	10/05/2013 22:15
n-Propyl benzene	ND	0.0050	1	10/05/2013 22:15
Styrene	ND	0.0050	1	10/05/2013 22:15
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 22:15
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 22:15
Tetrachloroethene	ND	0.0050	1	10/05/2013 22:15
Toluene	ND	0.0050	1	10/05/2013 22:15
1,2,3-Trichlorobenzene	ND	0.0050	1	10/05/2013 22:15
1,2,4-Trichlorobenzene	ND	0.0050	1	10/05/2013 22:15
1,1,1-Trichloroethane	ND	0.0050	1	10/05/2013 22:15
1,1,2-Trichloroethane	ND	0.0050	1	10/05/2013 22:15
Trichloroethene	ND	0.0050	1	10/05/2013 22:15
Trichlorofluoromethane	ND	0.0050	1	10/05/2013 22:15
1,2,3-Trichloropropane	ND	0.0050	1	10/05/2013 22:15
1,2,4-Trimethylbenzene	ND	0.0050	1	10/05/2013 22:15
1,3,5-Trimethylbenzene	ND	0.0050	1	10/05/2013 22:15
Vinyl Chloride	ND	0.0050	1	10/05/2013 22:15
Xylenes, Total	ND	0.0050	1	10/05/2013 22:15

Surrogates	REC (%)	Limits	
dibromofluromethane	99	70-130	10/05/2013 22:15
toluene-d8	100	70-130	10/05/2013 22:15
4-BFB	101	70-130	10/05/2013 22:15

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-9.5	**1310135-006A**	**Soil**	**10/02/2013 09:00**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/05/2013 22:58
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/05/2013 22:58
Benzene	ND	0.0050	1	10/05/2013 22:58
Bromobenzene	ND	0.0050	1	10/05/2013 22:58
Bromochloromethane	ND	0.0050	1	10/05/2013 22:58
Bromodichloromethane	ND	0.0050	1	10/05/2013 22:58
Bromoform	ND	0.0050	1	10/05/2013 22:58
Bromomethane	ND	0.0050	1	10/05/2013 22:58
2-Butanone (MEK)	ND	0.020	1	10/05/2013 22:58
t-Butyl alcohol (TBA)	ND	0.050	1	10/05/2013 22:58
n-Butyl benzene	ND	0.0050	1	10/05/2013 22:58
sec-Butyl benzene	ND	0.0050	1	10/05/2013 22:58
tert-Butyl benzene	ND	0.0050	1	10/05/2013 22:58
Carbon Disulfide	ND	0.0050	1	10/05/2013 22:58
Carbon Tetrachloride	ND	0.0050	1	10/05/2013 22:58
Chlorobenzene	ND	0.0050	1	10/05/2013 22:58
Chloroethane	ND	0.0050	1	10/05/2013 22:58
Chloroform	ND	0.0050	1	10/05/2013 22:58
Chloromethane	ND	0.0050	1	10/05/2013 22:58
2-Chlorotoluene	ND	0.0050	1	10/05/2013 22:58
4-Chlorotoluene	ND	0.0050	1	10/05/2013 22:58
Dibromochloromethane	ND	0.0050	1	10/05/2013 22:58
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/05/2013 22:58
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/05/2013 22:58
Dibromomethane	ND	0.0050	1	10/05/2013 22:58
1,2-Dichlorobenzene	ND	0.0050	1	10/05/2013 22:58
1,3-Dichlorobenzene	ND	0.0050	1	10/05/2013 22:58
1,4-Dichlorobenzene	ND	0.0050	1	10/05/2013 22:58
Dichlorodifluoromethane	ND	0.0050	1	10/05/2013 22:58
1,1-Dichloroethane	ND	0.0050	1	10/05/2013 22:58
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/05/2013 22:58
1,1-Dichloroethene	ND	0.0050	1	10/05/2013 22:58
cis-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 22:58
trans-1,2-Dichloroethene	ND	0.0050	1	10/05/2013 22:58
1,2-Dichloropropane	ND	0.0050	1	10/05/2013 22:58
1,3-Dichloropropane	ND	0.0050	1	10/05/2013 22:58
2,2-Dichloropropane	ND	0.0050	1	10/05/2013 22:58
1,1-Dichloropropene	ND	0.0050	1	10/05/2013 22:58

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-9.5	**1310135-006A**	**Soil**	**10/02/2013 09:00**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 22:58
trans-1,3-Dichloropropene	ND	0.0050	1	10/05/2013 22:58
Diisopropyl ether (DIPE)	ND	0.0050	1	10/05/2013 22:58
Ethylbenzene	ND	0.0050	1	10/05/2013 22:58
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/05/2013 22:58
Freon 113	ND	0.10	1	10/05/2013 22:58
Hexachlorobutadiene	ND	0.0050	1	10/05/2013 22:58
Hexachloroethane	ND	0.0050	1	10/05/2013 22:58
2-Hexanone	ND	0.0050	1	10/05/2013 22:58
Isopropylbenzene	ND	0.0050	1	10/05/2013 22:58
4-Isopropyl toluene	ND	0.0050	1	10/05/2013 22:58
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/05/2013 22:58
Methylene chloride	ND	0.0050	1	10/05/2013 22:58
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/05/2013 22:58
Naphthalene	ND	0.0050	1	10/05/2013 22:58
n-Propyl benzene	ND	0.0050	1	10/05/2013 22:58
Styrene	ND	0.0050	1	10/05/2013 22:58
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 22:58
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/05/2013 22:58
Tetrachloroethene	ND	0.0050	1	10/05/2013 22:58
Toluene	ND	0.0050	1	10/05/2013 22:58
1,2,3-Trichlorobenzene	ND	0.0050	1	10/05/2013 22:58
1,2,4-Trichlorobenzene	ND	0.0050	1	10/05/2013 22:58
1,1,1-Trichloroethane	ND	0.0050	1	10/05/2013 22:58
1,1,2-Trichloroethane	ND	0.0050	1	10/05/2013 22:58
Trichloroethene	ND	0.0050	1	10/05/2013 22:58
Trichlorofluoromethane	ND	0.0050	1	10/05/2013 22:58
1,2,3-Trichloropropane	ND	0.0050	1	10/05/2013 22:58
1,2,4-Trimethylbenzene	ND	0.0050	1	10/05/2013 22:58
1,3,5-Trimethylbenzene	ND	0.0050	1	10/05/2013 22:58
Vinyl Chloride	ND	0.0050	1	10/05/2013 22:58
Xylenes, Total	ND	0.0050	1	10/05/2013 22:58

Surrogates	REC (%)	Limits	
dibromofluromethane	98	70-130	10/05/2013 22:58
toluene-d8	101	70-130	10/05/2013 22:58
4-BFB	105	70-130	10/05/2013 22:58

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-14.5	**1310135-007A**	**Soil**	**10/02/2013 09:05**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/08/2013 03:40
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/08/2013 03:40
Benzene	ND	0.0050	1	10/08/2013 03:40
Bromobenzene	ND	0.0050	1	10/08/2013 03:40
Bromochloromethane	ND	0.0050	1	10/08/2013 03:40
Bromodichloromethane	ND	0.0050	1	10/08/2013 03:40
Bromoform	ND	0.0050	1	10/08/2013 03:40
Bromomethane	ND	0.0050	1	10/08/2013 03:40
2-Butanone (MEK)	ND	0.020	1	10/08/2013 03:40
t-Butyl alcohol (TBA)	ND	0.050	1	10/08/2013 03:40
n-Butyl benzene	ND	0.0050	1	10/08/2013 03:40
sec-Butyl benzene	ND	0.0050	1	10/08/2013 03:40
tert-Butyl benzene	ND	0.0050	1	10/08/2013 03:40
Carbon Disulfide	ND	0.0050	1	10/08/2013 03:40
Carbon Tetrachloride	ND	0.0050	1	10/08/2013 03:40
Chlorobenzene	ND	0.0050	1	10/08/2013 03:40
Chloroethane	ND	0.0050	1	10/08/2013 03:40
Chloroform	ND	0.0050	1	10/08/2013 03:40
Chloromethane	ND	0.0050	1	10/08/2013 03:40
2-Chlorotoluene	ND	0.0050	1	10/08/2013 03:40
4-Chlorotoluene	ND	0.0050	1	10/08/2013 03:40
Dibromochloromethane	ND	0.0050	1	10/08/2013 03:40
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/08/2013 03:40
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/08/2013 03:40
Dibromomethane	ND	0.0050	1	10/08/2013 03:40
1,2-Dichlorobenzene	ND	0.0050	1	10/08/2013 03:40
1,3-Dichlorobenzene	ND	0.0050	1	10/08/2013 03:40
1,4-Dichlorobenzene	ND	0.0050	1	10/08/2013 03:40
Dichlorodifluoromethane	ND	0.0050	1	10/08/2013 03:40
1,1-Dichloroethane	ND	0.0050	1	10/08/2013 03:40
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/08/2013 03:40
1,1-Dichloroethene	ND	0.0050	1	10/08/2013 03:40
cis-1,2-Dichloroethene	ND	0.0050	1	10/08/2013 03:40
trans-1,2-Dichloroethene	ND	0.0050	1	10/08/2013 03:40
1,2-Dichloropropane	ND	0.0050	1	10/08/2013 03:40
1,3-Dichloropropane	ND	0.0050	1	10/08/2013 03:40
2,2-Dichloropropane	ND	0.0050	1	10/08/2013 03:40
1,1-Dichloropropene	ND	0.0050	1	10/08/2013 03:40

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-14.5	**1310135-007A**	**Soil**	**10/02/2013 09:05**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/08/2013 03:40
trans-1,3-Dichloropropene	ND	0.0050	1	10/08/2013 03:40
Diisopropyl ether (DIPE)	ND	0.0050	1	10/08/2013 03:40
Ethylbenzene	ND	0.0050	1	10/08/2013 03:40
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/08/2013 03:40
Freon 113	ND	0.10	1	10/08/2013 03:40
Hexachlorobutadiene	ND	0.0050	1	10/08/2013 03:40
Hexachloroethane	ND	0.0050	1	10/08/2013 03:40
2-Hexanone	ND	0.0050	1	10/08/2013 03:40
Isopropylbenzene	ND	0.0050	1	10/08/2013 03:40
4-Isopropyl toluene	ND	0.0050	1	10/08/2013 03:40
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/08/2013 03:40
Methylene chloride	ND	0.0050	1	10/08/2013 03:40
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/08/2013 03:40
Naphthalene	ND	0.0050	1	10/08/2013 03:40
n-Propyl benzene	ND	0.0050	1	10/08/2013 03:40
Styrene	ND	0.0050	1	10/08/2013 03:40
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/08/2013 03:40
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/08/2013 03:40
Tetrachloroethene	ND	0.0050	1	10/08/2013 03:40
Toluene	ND	0.0050	1	10/08/2013 03:40
1,2,3-Trichlorobenzene	ND	0.0050	1	10/08/2013 03:40
1,2,4-Trichlorobenzene	ND	0.0050	1	10/08/2013 03:40
1,1,1-Trichloroethane	ND	0.0050	1	10/08/2013 03:40
1,1,2-Trichloroethane	ND	0.0050	1	10/08/2013 03:40
Trichloroethene	ND	0.0050	1	10/08/2013 03:40
Trichlorofluoromethane	ND	0.0050	1	10/08/2013 03:40
1,2,3-Trichloropropane	ND	0.0050	1	10/08/2013 03:40
1,2,4-Trimethylbenzene	ND	0.0050	1	10/08/2013 03:40
1,3,5-Trimethylbenzene	ND	0.0050	1	10/08/2013 03:40
Vinyl Chloride	ND	0.0050	1	10/08/2013 03:40
Xylenes, Total	ND	0.0050	1	10/08/2013 03:40

Surrogates	REC (%)	Limits	
dibromofluromethane	99	70-130	10/08/2013 03:40
toluene-d8	103	70-130	10/08/2013 03:40
4-BFB	92	70-130	10/08/2013 03:40

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-5.0	**1310135-009A**	**Soil**	**10/02/2013 14:10**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/07/2013 20:33
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/07/2013 20:33
Benzene	ND	0.0050	1	10/07/2013 20:33
Bromobenzene	ND	0.0050	1	10/07/2013 20:33
Bromochloromethane	ND	0.0050	1	10/07/2013 20:33
Bromodichloromethane	ND	0.0050	1	10/07/2013 20:33
Bromoform	ND	0.0050	1	10/07/2013 20:33
Bromomethane	ND	0.0050	1	10/07/2013 20:33
2-Butanone (MEK)	ND	0.020	1	10/07/2013 20:33
t-Butyl alcohol (TBA)	ND	0.050	1	10/07/2013 20:33
n-Butyl benzene	ND	0.0050	1	10/07/2013 20:33
sec-Butyl benzene	ND	0.0050	1	10/07/2013 20:33
tert-Butyl benzene	ND	0.0050	1	10/07/2013 20:33
Carbon Disulfide	ND	0.0050	1	10/07/2013 20:33
Carbon Tetrachloride	ND	0.0050	1	10/07/2013 20:33
Chlorobenzene	ND	0.0050	1	10/07/2013 20:33
Chloroethane	ND	0.0050	1	10/07/2013 20:33
Chloroform	ND	0.0050	1	10/07/2013 20:33
Chloromethane	ND	0.0050	1	10/07/2013 20:33
2-Chlorotoluene	ND	0.0050	1	10/07/2013 20:33
4-Chlorotoluene	ND	0.0050	1	10/07/2013 20:33
Dibromochloromethane	ND	0.0050	1	10/07/2013 20:33
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/07/2013 20:33
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/07/2013 20:33
Dibromomethane	ND	0.0050	1	10/07/2013 20:33
1,2-Dichlorobenzene	ND	0.0050	1	10/07/2013 20:33
1,3-Dichlorobenzene	ND	0.0050	1	10/07/2013 20:33
1,4-Dichlorobenzene	ND	0.0050	1	10/07/2013 20:33
Dichlorodifluoromethane	ND	0.0050	1	10/07/2013 20:33
1,1-Dichloroethane	ND	0.0050	1	10/07/2013 20:33
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/07/2013 20:33
1,1-Dichloroethene	ND	0.0050	1	10/07/2013 20:33
cis-1,2-Dichloroethene	ND	0.0050	1	10/07/2013 20:33
trans-1,2-Dichloroethene	ND	0.0050	1	10/07/2013 20:33
1,2-Dichloropropane	ND	0.0050	1	10/07/2013 20:33
1,3-Dichloropropane	ND	0.0050	1	10/07/2013 20:33
2,2-Dichloropropane	ND	0.0050	1	10/07/2013 20:33
1,1-Dichloropropene	ND	0.0050	1	10/07/2013 20:33

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-5.0	**1310135-009A**	**Soil**	**10/02/2013 14:10**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/07/2013 20:33
trans-1,3-Dichloropropene	ND	0.0050	1	10/07/2013 20:33
Diisopropyl ether (DIPE)	ND	0.0050	1	10/07/2013 20:33
Ethylbenzene	ND	0.0050	1	10/07/2013 20:33
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/07/2013 20:33
Freon 113	ND	0.10	1	10/07/2013 20:33
Hexachlorobutadiene	ND	0.0050	1	10/07/2013 20:33
Hexachloroethane	ND	0.0050	1	10/07/2013 20:33
2-Hexanone	ND	0.0050	1	10/07/2013 20:33
Isopropylbenzene	ND	0.0050	1	10/07/2013 20:33
4-Isopropyl toluene	ND	0.0050	1	10/07/2013 20:33
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/07/2013 20:33
Methylene chloride	ND	0.0050	1	10/07/2013 20:33
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/07/2013 20:33
Naphthalene	ND	0.0050	1	10/07/2013 20:33
n-Propyl benzene	ND	0.0050	1	10/07/2013 20:33
Styrene	ND	0.0050	1	10/07/2013 20:33
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/07/2013 20:33
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/07/2013 20:33
Tetrachloroethene	ND	0.0050	1	10/07/2013 20:33
Toluene	ND	0.0050	1	10/07/2013 20:33
1,2,3-Trichlorobenzene	ND	0.0050	1	10/07/2013 20:33
1,2,4-Trichlorobenzene	ND	0.0050	1	10/07/2013 20:33
1,1,1-Trichloroethane	ND	0.0050	1	10/07/2013 20:33
1,1,2-Trichloroethane	ND	0.0050	1	10/07/2013 20:33
Trichloroethene	ND	0.0050	1	10/07/2013 20:33
Trichlorofluoromethane	ND	0.0050	1	10/07/2013 20:33
1,2,3-Trichloropropane	ND	0.0050	1	10/07/2013 20:33
1,2,4-Trimethylbenzene	ND	0.0050	1	10/07/2013 20:33
1,3,5-Trimethylbenzene	ND	0.0050	1	10/07/2013 20:33
Vinyl Chloride	ND	0.0050	1	10/07/2013 20:33
Xylenes, Total	ND	0.0050	1	10/07/2013 20:33

Surrogates	REC (%)	Limits	
dibromofluromethane	96	70-130	10/07/2013 20:33
toluene-d8	103	70-130	10/07/2013 20:33
4-BFB	98	70-130	10/07/2013 20:33

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-9.5	**1310135-010A**	**Soil**	**10/02/2013 14:15**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/07/2013 21:15
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/07/2013 21:15
Benzene	ND	0.0050	1	10/07/2013 21:15
Bromobenzene	ND	0.0050	1	10/07/2013 21:15
Bromochloromethane	ND	0.0050	1	10/07/2013 21:15
Bromodichloromethane	ND	0.0050	1	10/07/2013 21:15
Bromoform	ND	0.0050	1	10/07/2013 21:15
Bromomethane	ND	0.0050	1	10/07/2013 21:15
2-Butanone (MEK)	ND	0.020	1	10/07/2013 21:15
t-Butyl alcohol (TBA)	ND	0.050	1	10/07/2013 21:15
n-Butyl benzene	ND	0.0050	1	10/07/2013 21:15
sec-Butyl benzene	ND	0.0050	1	10/07/2013 21:15
tert-Butyl benzene	ND	0.0050	1	10/07/2013 21:15
Carbon Disulfide	ND	0.0050	1	10/07/2013 21:15
Carbon Tetrachloride	ND	0.0050	1	10/07/2013 21:15
Chlorobenzene	ND	0.0050	1	10/07/2013 21:15
Chloroethane	ND	0.0050	1	10/07/2013 21:15
Chloroform	ND	0.0050	1	10/07/2013 21:15
Chloromethane	ND	0.0050	1	10/07/2013 21:15
2-Chlorotoluene	ND	0.0050	1	10/07/2013 21:15
4-Chlorotoluene	ND	0.0050	1	10/07/2013 21:15
Dibromochloromethane	ND	0.0050	1	10/07/2013 21:15
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/07/2013 21:15
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/07/2013 21:15
Dibromomethane	ND	0.0050	1	10/07/2013 21:15
1,2-Dichlorobenzene	ND	0.0050	1	10/07/2013 21:15
1,3-Dichlorobenzene	ND	0.0050	1	10/07/2013 21:15
1,4-Dichlorobenzene	ND	0.0050	1	10/07/2013 21:15
Dichlorodifluoromethane	ND	0.0050	1	10/07/2013 21:15
1,1-Dichloroethane	ND	0.0050	1	10/07/2013 21:15
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/07/2013 21:15
1,1-Dichloroethene	ND	0.0050	1	10/07/2013 21:15
cis-1,2-Dichloroethene	ND	0.0050	1	10/07/2013 21:15
trans-1,2-Dichloroethene	ND	0.0050	1	10/07/2013 21:15
1,2-Dichloropropane	ND	0.0050	1	10/07/2013 21:15
1,3-Dichloropropane	ND	0.0050	1	10/07/2013 21:15
2,2-Dichloropropane	ND	0.0050	1	10/07/2013 21:15
1,1-Dichloropropene	ND	0.0050	1	10/07/2013 21:15

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-9.5	**1310135-010A**	**Soil**	**10/02/2013 14:15**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/07/2013 21:15
trans-1,3-Dichloropropene	ND	0.0050	1	10/07/2013 21:15
Diisopropyl ether (DIPE)	ND	0.0050	1	10/07/2013 21:15
Ethylbenzene	ND	0.0050	1	10/07/2013 21:15
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/07/2013 21:15
Freon 113	ND	0.10	1	10/07/2013 21:15
Hexachlorobutadiene	ND	0.0050	1	10/07/2013 21:15
Hexachloroethane	ND	0.0050	1	10/07/2013 21:15
2-Hexanone	ND	0.0050	1	10/07/2013 21:15
Isopropylbenzene	ND	0.0050	1	10/07/2013 21:15
4-Isopropyl toluene	ND	0.0050	1	10/07/2013 21:15
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/07/2013 21:15
Methylene chloride	ND	0.0050	1	10/07/2013 21:15
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/07/2013 21:15
Naphthalene	ND	0.0050	1	10/07/2013 21:15
n-Propyl benzene	ND	0.0050	1	10/07/2013 21:15
Styrene	ND	0.0050	1	10/07/2013 21:15
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/07/2013 21:15
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/07/2013 21:15
Tetrachloroethene	ND	0.0050	1	10/07/2013 21:15
Toluene	ND	0.0050	1	10/07/2013 21:15
1,2,3-Trichlorobenzene	ND	0.0050	1	10/07/2013 21:15
1,2,4-Trichlorobenzene	ND	0.0050	1	10/07/2013 21:15
1,1,1-Trichloroethane	ND	0.0050	1	10/07/2013 21:15
1,1,2-Trichloroethane	ND	0.0050	1	10/07/2013 21:15
Trichloroethene	ND	0.0050	1	10/07/2013 21:15
Trichlorofluoromethane	ND	0.0050	1	10/07/2013 21:15
1,2,3-Trichloropropane	ND	0.0050	1	10/07/2013 21:15
1,2,4-Trimethylbenzene	ND	0.0050	1	10/07/2013 21:15
1,3,5-Trimethylbenzene	ND	0.0050	1	10/07/2013 21:15
Vinyl Chloride	ND	0.0050	1	10/07/2013 21:15
Xylenes, Total	ND	0.0050	1	10/07/2013 21:15

Surrogates	REC (%)	Limits	
dibromofluromethane	97	70-130	10/07/2013 21:15
toluene-d8	104	70-130	10/07/2013 21:15
4-BFB	105	70-130	10/07/2013 21:15

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-14.5	**1310135-011A**	**Soil**	**10/02/2013 14:20**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/07/2013 21:58
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/07/2013 21:58
Benzene	ND	0.0050	1	10/07/2013 21:58
Bromobenzene	ND	0.0050	1	10/07/2013 21:58
Bromochloromethane	ND	0.0050	1	10/07/2013 21:58
Bromodichloromethane	ND	0.0050	1	10/07/2013 21:58
Bromoform	ND	0.0050	1	10/07/2013 21:58
Bromomethane	ND	0.0050	1	10/07/2013 21:58
2-Butanone (MEK)	ND	0.020	1	10/07/2013 21:58
t-Butyl alcohol (TBA)	ND	0.050	1	10/07/2013 21:58
n-Butyl benzene	ND	0.0050	1	10/07/2013 21:58
sec-Butyl benzene	ND	0.0050	1	10/07/2013 21:58
tert-Butyl benzene	ND	0.0050	1	10/07/2013 21:58
Carbon Disulfide	ND	0.0050	1	10/07/2013 21:58
Carbon Tetrachloride	ND	0.0050	1	10/07/2013 21:58
Chlorobenzene	ND	0.0050	1	10/07/2013 21:58
Chloroethane	ND	0.0050	1	10/07/2013 21:58
Chloroform	ND	0.0050	1	10/07/2013 21:58
Chloromethane	ND	0.0050	1	10/07/2013 21:58
2-Chlorotoluene	ND	0.0050	1	10/07/2013 21:58
4-Chlorotoluene	ND	0.0050	1	10/07/2013 21:58
Dibromochloromethane	ND	0.0050	1	10/07/2013 21:58
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/07/2013 21:58
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/07/2013 21:58
Dibromomethane	ND	0.0050	1	10/07/2013 21:58
1,2-Dichlorobenzene	ND	0.0050	1	10/07/2013 21:58
1,3-Dichlorobenzene	ND	0.0050	1	10/07/2013 21:58
1,4-Dichlorobenzene	ND	0.0050	1	10/07/2013 21:58
Dichlorodifluoromethane	ND	0.0050	1	10/07/2013 21:58
1,1-Dichloroethane	ND	0.0050	1	10/07/2013 21:58
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/07/2013 21:58
1,1-Dichloroethene	ND	0.0050	1	10/07/2013 21:58
cis-1,2-Dichloroethene	ND	0.0050	1	10/07/2013 21:58
trans-1,2-Dichloroethene	ND	0.0050	1	10/07/2013 21:58
1,2-Dichloropropane	ND	0.0050	1	10/07/2013 21:58
1,3-Dichloropropane	ND	0.0050	1	10/07/2013 21:58
2,2-Dichloropropane	ND	0.0050	1	10/07/2013 21:58
1,1-Dichloropropene	ND	0.0050	1	10/07/2013 21:58

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-14.5	**1310135-011A**	**Soil**	**10/02/2013 14:20**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/07/2013 21:58
trans-1,3-Dichloropropene	ND	0.0050	1	10/07/2013 21:58
Diisopropyl ether (DIPE)	ND	0.0050	1	10/07/2013 21:58
Ethylbenzene	ND	0.0050	1	10/07/2013 21:58
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/07/2013 21:58
Freon 113	ND	0.10	1	10/07/2013 21:58
Hexachlorobutadiene	ND	0.0050	1	10/07/2013 21:58
Hexachloroethane	ND	0.0050	1	10/07/2013 21:58
2-Hexanone	ND	0.0050	1	10/07/2013 21:58
Isopropylbenzene	ND	0.0050	1	10/07/2013 21:58
4-Isopropyl toluene	ND	0.0050	1	10/07/2013 21:58
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/07/2013 21:58
Methylene chloride	ND	0.0050	1	10/07/2013 21:58
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/07/2013 21:58
Naphthalene	ND	0.0050	1	10/07/2013 21:58
n-Propyl benzene	ND	0.0050	1	10/07/2013 21:58
Styrene	ND	0.0050	1	10/07/2013 21:58
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/07/2013 21:58
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/07/2013 21:58
Tetrachloroethene	ND	0.0050	1	10/07/2013 21:58
Toluene	ND	0.0050	1	10/07/2013 21:58
1,2,3-Trichlorobenzene	ND	0.0050	1	10/07/2013 21:58
1,2,4-Trichlorobenzene	ND	0.0050	1	10/07/2013 21:58
1,1,1-Trichloroethane	ND	0.0050	1	10/07/2013 21:58
1,1,2-Trichloroethane	ND	0.0050	1	10/07/2013 21:58
Trichloroethene	ND	0.0050	1	10/07/2013 21:58
Trichlorofluoromethane	ND	0.0050	1	10/07/2013 21:58
1,2,3-Trichloropropane	ND	0.0050	1	10/07/2013 21:58
1,2,4-Trimethylbenzene	ND	0.0050	1	10/07/2013 21:58
1,3,5-Trimethylbenzene	ND	0.0050	1	10/07/2013 21:58
Vinyl Chloride	ND	0.0050	1	10/07/2013 21:58
Xylenes, Total	ND	0.0050	1	10/07/2013 21:58

Surrogates	REC (%)	Limits	
dibromofluromethane	96	70-130	10/07/2013 21:58
toluene-d8	105	70-130	10/07/2013 21:58
4-BFB	96	70-130	10/07/2013 21:58

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-5.0	1310135-013A	Soil	10/02/2013 15:15	GC16	82464

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/07/2013 22:40
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/07/2013 22:40
Benzene	ND	0.0050	1	10/07/2013 22:40
Bromobenzene	ND	0.0050	1	10/07/2013 22:40
Bromochloromethane	ND	0.0050	1	10/07/2013 22:40
Bromodichloromethane	ND	0.0050	1	10/07/2013 22:40
Bromoform	ND	0.0050	1	10/07/2013 22:40
Bromomethane	ND	0.0050	1	10/07/2013 22:40
2-Butanone (MEK)	ND	0.020	1	10/07/2013 22:40
t-Butyl alcohol (TBA)	ND	0.050	1	10/07/2013 22:40
n-Butyl benzene	ND	0.0050	1	10/07/2013 22:40
sec-Butyl benzene	ND	0.0050	1	10/07/2013 22:40
tert-Butyl benzene	ND	0.0050	1	10/07/2013 22:40
Carbon Disulfide	ND	0.0050	1	10/07/2013 22:40
Carbon Tetrachloride	ND	0.0050	1	10/07/2013 22:40
Chlorobenzene	ND	0.0050	1	10/07/2013 22:40
Chloroethane	ND	0.0050	1	10/07/2013 22:40
Chloroform	ND	0.0050	1	10/07/2013 22:40
Chloromethane	ND	0.0050	1	10/07/2013 22:40
2-Chlorotoluene	ND	0.0050	1	10/07/2013 22:40
4-Chlorotoluene	ND	0.0050	1	10/07/2013 22:40
Dibromochloromethane	ND	0.0050	1	10/07/2013 22:40
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/07/2013 22:40
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/07/2013 22:40
Dibromomethane	ND	0.0050	1	10/07/2013 22:40
1,2-Dichlorobenzene	ND	0.0050	1	10/07/2013 22:40
1,3-Dichlorobenzene	ND	0.0050	1	10/07/2013 22:40
1,4-Dichlorobenzene	ND	0.0050	1	10/07/2013 22:40
Dichlorodifluoromethane	ND	0.0050	1	10/07/2013 22:40
1,1-Dichloroethane	ND	0.0050	1	10/07/2013 22:40
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/07/2013 22:40
1,1-Dichloroethene	ND	0.0050	1	10/07/2013 22:40
cis-1,2-Dichloroethene	ND	0.0050	1	10/07/2013 22:40
trans-1,2-Dichloroethene	ND	0.0050	1	10/07/2013 22:40
1,2-Dichloropropane	ND	0.0050	1	10/07/2013 22:40
1,3-Dichloropropane	ND	0.0050	1	10/07/2013 22:40
2,2-Dichloropropane	ND	0.0050	1	10/07/2013 22:40
1,1-Dichloropropene	ND	0.0050	1	10/07/2013 22:40

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-5.0	**1310135-013A**	**Soil**	**10/02/2013 15:15**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/07/2013 22:40
trans-1,3-Dichloropropene	ND	0.0050	1	10/07/2013 22:40
Diisopropyl ether (DIPE)	ND	0.0050	1	10/07/2013 22:40
Ethylbenzene	ND	0.0050	1	10/07/2013 22:40
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/07/2013 22:40
Freon 113	ND	0.10	1	10/07/2013 22:40
Hexachlorobutadiene	ND	0.0050	1	10/07/2013 22:40
Hexachloroethane	ND	0.0050	1	10/07/2013 22:40
2-Hexanone	ND	0.0050	1	10/07/2013 22:40
Isopropylbenzene	ND	0.0050	1	10/07/2013 22:40
4-Isopropyl toluene	ND	0.0050	1	10/07/2013 22:40
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/07/2013 22:40
Methylene chloride	ND	0.0050	1	10/07/2013 22:40
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/07/2013 22:40
Naphthalene	ND	0.0050	1	10/07/2013 22:40
n-Propyl benzene	ND	0.0050	1	10/07/2013 22:40
Styrene	ND	0.0050	1	10/07/2013 22:40
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/07/2013 22:40
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/07/2013 22:40
Tetrachloroethene	ND	0.0050	1	10/07/2013 22:40
Toluene	ND	0.0050	1	10/07/2013 22:40
1,2,3-Trichlorobenzene	ND	0.0050	1	10/07/2013 22:40
1,2,4-Trichlorobenzene	ND	0.0050	1	10/07/2013 22:40
1,1,1-Trichloroethane	ND	0.0050	1	10/07/2013 22:40
1,1,2-Trichloroethane	ND	0.0050	1	10/07/2013 22:40
Trichloroethene	ND	0.0050	1	10/07/2013 22:40
Trichlorofluoromethane	ND	0.0050	1	10/07/2013 22:40
1,2,3-Trichloropropane	ND	0.0050	1	10/07/2013 22:40
1,2,4-Trimethylbenzene	ND	0.0050	1	10/07/2013 22:40
1,3,5-Trimethylbenzene	ND	0.0050	1	10/07/2013 22:40
Vinyl Chloride	ND	0.0050	1	10/07/2013 22:40
Xylenes, Total	ND	0.0050	1	10/07/2013 22:40

Surrogates	REC (%)	Limits	
dibromofluromethane	97	70-130	10/07/2013 22:40
toluene-d8	103	70-130	10/07/2013 22:40
4-BFB	105	70-130	10/07/2013 22:40

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-9.5	**1310135-014A**	**Soil**	**10/02/2013 15:20**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/04/2013 16:20
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/04/2013 16:20
Benzene	ND	0.0050	1	10/04/2013 16:20
Bromobenzene	ND	0.0050	1	10/04/2013 16:20
Bromochloromethane	ND	0.0050	1	10/04/2013 16:20
Bromodichloromethane	ND	0.0050	1	10/04/2013 16:20
Bromoform	ND	0.0050	1	10/04/2013 16:20
Bromomethane	ND	0.0050	1	10/04/2013 16:20
2-Butanone (MEK)	ND	0.020	1	10/04/2013 16:20
t-Butyl alcohol (TBA)	ND	0.050	1	10/04/2013 16:20
n-Butyl benzene	ND	0.0050	1	10/04/2013 16:20
sec-Butyl benzene	ND	0.0050	1	10/04/2013 16:20
tert-Butyl benzene	ND	0.0050	1	10/04/2013 16:20
Carbon Disulfide	ND	0.0050	1	10/04/2013 16:20
Carbon Tetrachloride	ND	0.0050	1	10/04/2013 16:20
Chlorobenzene	ND	0.0050	1	10/04/2013 16:20
Chloroethane	ND	0.0050	1	10/04/2013 16:20
Chloroform	ND	0.0050	1	10/04/2013 16:20
Chloromethane	ND	0.0050	1	10/04/2013 16:20
2-Chlorotoluene	ND	0.0050	1	10/04/2013 16:20
4-Chlorotoluene	ND	0.0050	1	10/04/2013 16:20
Dibromochloromethane	ND	0.0050	1	10/04/2013 16:20
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/04/2013 16:20
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/04/2013 16:20
Dibromomethane	ND	0.0050	1	10/04/2013 16:20
1,2-Dichlorobenzene	ND	0.0050	1	10/04/2013 16:20
1,3-Dichlorobenzene	ND	0.0050	1	10/04/2013 16:20
1,4-Dichlorobenzene	ND	0.0050	1	10/04/2013 16:20
Dichlorodifluoromethane	ND	0.0050	1	10/04/2013 16:20
1,1-Dichloroethane	ND	0.0050	1	10/04/2013 16:20
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/04/2013 16:20
1,1-Dichloroethene	ND	0.0050	1	10/04/2013 16:20
cis-1,2-Dichloroethene	ND	0.0050	1	10/04/2013 16:20
trans-1,2-Dichloroethene	ND	0.0050	1	10/04/2013 16:20
1,2-Dichloropropane	ND	0.0050	1	10/04/2013 16:20
1,3-Dichloropropane	ND	0.0050	1	10/04/2013 16:20
2,2-Dichloropropane	ND	0.0050	1	10/04/2013 16:20
1,1-Dichloropropene	ND	0.0050	1	10/04/2013 16:20

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8260B
Date Prepared:	10/3/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-9.5	**1310135-014A**	**Soil**	**10/02/2013 15:20**	**GC16**	**82464**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/04/2013 16:20
trans-1,3-Dichloropropene	ND	0.0050	1	10/04/2013 16:20
Diisopropyl ether (DIPE)	ND	0.0050	1	10/04/2013 16:20
Ethylbenzene	ND	0.0050	1	10/04/2013 16:20
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/04/2013 16:20
Freon 113	ND	0.10	1	10/04/2013 16:20
Hexachlorobutadiene	ND	0.0050	1	10/04/2013 16:20
Hexachloroethane	ND	0.0050	1	10/04/2013 16:20
2-Hexanone	ND	0.0050	1	10/04/2013 16:20
Isopropylbenzene	ND	0.0050	1	10/04/2013 16:20
4-Isopropyl toluene	ND	0.0050	1	10/04/2013 16:20
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/04/2013 16:20
Methylene chloride	ND	0.0050	1	10/04/2013 16:20
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/04/2013 16:20
Naphthalene	ND	0.0050	1	10/04/2013 16:20
n-Propyl benzene	ND	0.0050	1	10/04/2013 16:20
Styrene	ND	0.0050	1	10/04/2013 16:20
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/04/2013 16:20
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/04/2013 16:20
Tetrachloroethene	ND	0.0050	1	10/04/2013 16:20
Toluene	ND	0.0050	1	10/04/2013 16:20
1,2,3-Trichlorobenzene	ND	0.0050	1	10/04/2013 16:20
1,2,4-Trichlorobenzene	ND	0.0050	1	10/04/2013 16:20
1,1,1-Trichloroethane	ND	0.0050	1	10/04/2013 16:20
1,1,2-Trichloroethane	ND	0.0050	1	10/04/2013 16:20
Trichloroethene	ND	0.0050	1	10/04/2013 16:20
Trichlorofluoromethane	ND	0.0050	1	10/04/2013 16:20
1,2,3-Trichloropropane	ND	0.0050	1	10/04/2013 16:20
1,2,4-Trimethylbenzene	ND	0.0050	1	10/04/2013 16:20
1,3,5-Trimethylbenzene	ND	0.0050	1	10/04/2013 16:20
Vinyl Chloride	ND	0.0050	1	10/04/2013 16:20
Xylenes, Total	ND	0.0050	1	10/04/2013 16:20

Surrogates	REC (%)	Limits	
dibromofluromethane	98	70-130	10/04/2013 16:20
toluene-d8	102	70-130	10/04/2013 16:20
4-BFB	99	70-130	10/04/2013 16:20

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-5.0	**1310135-001A**	**Soil**	**10/02/2013 10:30**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/04/2013 17:41
Acenaphthylene	ND	0.25	1	10/04/2013 17:41
Acetochlor	ND	0.25	1	10/04/2013 17:41
Anthracene	ND	0.25	1	10/04/2013 17:41
Benzidine	ND	1.3	1	10/04/2013 17:41
Benzo (a) anthracene	ND	0.25	1	10/04/2013 17:41
Benzo (b) fluoranthene	ND	0.25	1	10/04/2013 17:41
Benzo (k) fluoranthene	ND	0.25	1	10/04/2013 17:41
Benzo (g,h,i) perylene	ND	0.25	1	10/04/2013 17:41
Benzo (a) pyrene	ND	0.25	1	10/04/2013 17:41
Benzyl Alcohol	ND	1.3	1	10/04/2013 17:41
1,1-Biphenyl	ND	0.25	1	10/04/2013 17:41
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/04/2013 17:41
Bis (2-chloroethyl) Ether	ND	0.25	1	10/04/2013 17:41
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/04/2013 17:41
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/04/2013 17:41
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/04/2013 17:41
Butylbenzyl Phthalate	ND	0.25	1	10/04/2013 17:41
4-Chloroaniline	ND	0.25	1	10/04/2013 17:41
4-Chloro-3-methylphenol	ND	0.25	1	10/04/2013 17:41
2-Chloronaphthalene	ND	0.25	1	10/04/2013 17:41
2-Chlorophenol	ND	0.25	1	10/04/2013 17:41
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/04/2013 17:41
Chrysene	ND	0.25	1	10/04/2013 17:41
Dibenzo (a,h) anthracene	ND	0.25	1	10/04/2013 17:41
Dibenzofuran	ND	0.25	1	10/04/2013 17:41
Di-n-butyl Phthalate	ND	0.25	1	10/04/2013 17:41
1,2-Dichlorobenzene	ND	0.25	1	10/04/2013 17:41
1,3-Dichlorobenzene	ND	0.25	1	10/04/2013 17:41
1,4-Dichlorobenzene	ND	0.25	1	10/04/2013 17:41
3,3-Dichlorobenzidine	ND	0.50	1	10/04/2013 17:41
2,4-Dichlorophenol	ND	0.25	1	10/04/2013 17:41
Diethyl Phthalate	ND	0.25	1	10/04/2013 17:41
2,4-Dimethylphenol	ND	0.25	1	10/04/2013 17:41
Dimethyl Phthalate	ND	0.25	1	10/04/2013 17:41
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/04/2013 17:41
2,4-Dinitrophenol	ND	6.3	1	10/04/2013 17:41
2,4-Dinitrotoluene	ND	0.25	1	10/04/2013 17:41

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-5.0	**1310135-001A**	**Soil**	**10/02/2013 10:30**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	10/04/2013 17:41
Di-n-octyl Phthalate	ND	0.50	1	10/04/2013 17:41
1,2-Diphenylhydrazine	ND	0.25	1	10/04/2013 17:41
Fluoranthene	ND	0.25	1	10/04/2013 17:41
Fluorene	ND	0.25	1	10/04/2013 17:41
Hexachlorobenzene	ND	0.25	1	10/04/2013 17:41
Hexachlorobutadiene	ND	0.25	1	10/04/2013 17:41
Hexachlorocyclopentadiene	ND	1.3	1	10/04/2013 17:41
Hexachloroethane	ND	0.25	1	10/04/2013 17:41
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/04/2013 17:41
Isophorone	ND	0.25	1	10/04/2013 17:41
2-Methylnaphthalene	ND	0.25	1	10/04/2013 17:41
2-Methylphenol (o-Cresol)	ND	0.25	1	10/04/2013 17:41
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/04/2013 17:41
Naphthalene	ND	0.25	1	10/04/2013 17:41
2-Nitroaniline	ND	1.3	1	10/04/2013 17:41
3-Nitroaniline	ND	1.3	1	10/04/2013 17:41
4-Nitroaniline	ND	1.3	1	10/04/2013 17:41
Nitrobenzene	ND	0.25	1	10/04/2013 17:41
2-Nitrophenol	ND	1.3	1	10/04/2013 17:41
4-Nitrophenol	ND	1.3	1	10/04/2013 17:41
N-Nitrosodiphenylamine	ND	0.25	1	10/04/2013 17:41
N-Nitrosodi-n-propylamine	ND	0.25	1	10/04/2013 17:41
Pentachlorophenol	ND	1.3	1	10/04/2013 17:41
Phenanthrene	ND	0.25	1	10/04/2013 17:41
Phenol	ND	0.25	1	10/04/2013 17:41
Pyrene	ND	0.25	1	10/04/2013 17:41
1,2,4-Trichlorobenzene	ND	0.25	1	10/04/2013 17:41
2,4,5-Trichlorophenol	ND	0.25	1	10/04/2013 17:41
2,4,6-Trichlorophenol	ND	0.25	1	10/04/2013 17:41

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-5.0	**1310135-001A**	**Soil**	**10/02/2013 10:30**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	74	30-130		10/04/2013 17:41
Phenol-d5	73	30-130		10/04/2013 17:41
Nitrobenzene-d5	58	30-130		10/04/2013 17:41
2-Fluorobiphenyl	55	30-130		10/04/2013 17:41
2,4,6-Tribromophenol	49	30-130		10/04/2013 17:41
4-Terphenyl-d14	61	30-130		10/04/2013 17:41

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-9.5	**1310135-002A**	**Soil**	**10/02/2013 10:40**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/04/2013 18:09
Acenaphthylene	ND	0.25	1	10/04/2013 18:09
Acetochlor	ND	0.25	1	10/04/2013 18:09
Anthracene	ND	0.25	1	10/04/2013 18:09
Benzidine	ND	1.3	1	10/04/2013 18:09
Benzo (a) anthracene	ND	0.25	1	10/04/2013 18:09
Benzo (b) fluoranthene	ND	0.25	1	10/04/2013 18:09
Benzo (k) fluoranthene	ND	0.25	1	10/04/2013 18:09
Benzo (g,h,i) perylene	ND	0.25	1	10/04/2013 18:09
Benzo (a) pyrene	ND	0.25	1	10/04/2013 18:09
Benzyl Alcohol	ND	1.3	1	10/04/2013 18:09
1,1-Biphenyl	ND	0.25	1	10/04/2013 18:09
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/04/2013 18:09
Bis (2-chloroethyl) Ether	ND	0.25	1	10/04/2013 18:09
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/04/2013 18:09
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/04/2013 18:09
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/04/2013 18:09
Butylbenzyl Phthalate	ND	0.25	1	10/04/2013 18:09
4-Chloroaniline	ND	0.25	1	10/04/2013 18:09
4-Chloro-3-methylphenol	ND	0.25	1	10/04/2013 18:09
2-Chloronaphthalene	ND	0.25	1	10/04/2013 18:09
2-Chlorophenol	ND	0.25	1	10/04/2013 18:09
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/04/2013 18:09
Chrysene	ND	0.25	1	10/04/2013 18:09
Dibenzo (a,h) anthracene	ND	0.25	1	10/04/2013 18:09
Dibenzofuran	ND	0.25	1	10/04/2013 18:09
Di-n-butyl Phthalate	ND	0.25	1	10/04/2013 18:09
1,2-Dichlorobenzene	ND	0.25	1	10/04/2013 18:09
1,3-Dichlorobenzene	ND	0.25	1	10/04/2013 18:09
1,4-Dichlorobenzene	ND	0.25	1	10/04/2013 18:09
3,3-Dichlorobenzidine	ND	0.50	1	10/04/2013 18:09
2,4-Dichlorophenol	ND	0.25	1	10/04/2013 18:09
Diethyl Phthalate	ND	0.25	1	10/04/2013 18:09
2,4-Dimethylphenol	ND	0.25	1	10/04/2013 18:09
Dimethyl Phthalate	ND	0.25	1	10/04/2013 18:09
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/04/2013 18:09
2,4-Dinitrophenol	ND	6.3	1	10/04/2013 18:09
2,4-Dinitrotoluene	ND	0.25	1	10/04/2013 18:09

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-9.5	**1310135-002A**	**Soil**	**10/02/2013 10:40**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	10/04/2013 18:09
Di-n-octyl Phthalate	ND	0.50	1	10/04/2013 18:09
1,2-Diphenylhydrazine	ND	0.25	1	10/04/2013 18:09
Fluoranthene	ND	0.25	1	10/04/2013 18:09
Fluorene	ND	0.25	1	10/04/2013 18:09
Hexachlorobenzene	ND	0.25	1	10/04/2013 18:09
Hexachlorobutadiene	ND	0.25	1	10/04/2013 18:09
Hexachlorocyclopentadiene	ND	1.3	1	10/04/2013 18:09
Hexachloroethane	ND	0.25	1	10/04/2013 18:09
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/04/2013 18:09
Isophorone	ND	0.25	1	10/04/2013 18:09
2-Methylnaphthalene	ND	0.25	1	10/04/2013 18:09
2-Methylphenol (o-Cresol)	ND	0.25	1	10/04/2013 18:09
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/04/2013 18:09
Naphthalene	ND	0.25	1	10/04/2013 18:09
2-Nitroaniline	ND	1.3	1	10/04/2013 18:09
3-Nitroaniline	ND	1.3	1	10/04/2013 18:09
4-Nitroaniline	ND	1.3	1	10/04/2013 18:09
Nitrobenzene	ND	0.25	1	10/04/2013 18:09
2-Nitrophenol	ND	1.3	1	10/04/2013 18:09
4-Nitrophenol	ND	1.3	1	10/04/2013 18:09
N-Nitrosodiphenylamine	ND	0.25	1	10/04/2013 18:09
N-Nitrosodi-n-propylamine	ND	0.25	1	10/04/2013 18:09
Pentachlorophenol	ND	1.3	1	10/04/2013 18:09
Phenanthrene	ND	0.25	1	10/04/2013 18:09
Phenol	ND	0.25	1	10/04/2013 18:09
Pyrene	ND	0.25	1	10/04/2013 18:09
1,2,4-Trichlorobenzene	ND	0.25	1	10/04/2013 18:09
2,4,5-Trichlorophenol	ND	0.25	1	10/04/2013 18:09
2,4,6-Trichlorophenol	ND	0.25	1	10/04/2013 18:09

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-9.5	**1310135-002A**	**Soil**	**10/02/2013 10:40**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	74	30-130		10/04/2013 18:09
Phenol-d5	73	30-130		10/04/2013 18:09
Nitrobenzene-d5	58	30-130		10/04/2013 18:09
2-Fluorobiphenyl	55	30-130		10/04/2013 18:09
2,4,6-Tribromophenol	53	30-130		10/04/2013 18:09
4-Terphenyl-d14	66	30-130		10/04/2013 18:09

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-5.0	**1310135-005A**	**Soil**	**10/02/2013 08:50**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/04/2013 18:36
Acenaphthylene	ND	0.25	1	10/04/2013 18:36
Acetochlor	ND	0.25	1	10/04/2013 18:36
Anthracene	ND	0.25	1	10/04/2013 18:36
Benzidine	ND	1.3	1	10/04/2013 18:36
Benzo (a) anthracene	ND	0.25	1	10/04/2013 18:36
Benzo (b) fluoranthene	ND	0.25	1	10/04/2013 18:36
Benzo (k) fluoranthene	ND	0.25	1	10/04/2013 18:36
Benzo (g,h,i) perylene	ND	0.25	1	10/04/2013 18:36
Benzo (a) pyrene	ND	0.25	1	10/04/2013 18:36
Benzyl Alcohol	ND	1.3	1	10/04/2013 18:36
1,1-Biphenyl	ND	0.25	1	10/04/2013 18:36
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/04/2013 18:36
Bis (2-chloroethyl) Ether	ND	0.25	1	10/04/2013 18:36
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/04/2013 18:36
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/04/2013 18:36
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/04/2013 18:36
Butylbenzyl Phthalate	ND	0.25	1	10/04/2013 18:36
4-Chloroaniline	ND	0.25	1	10/04/2013 18:36
4-Chloro-3-methylphenol	ND	0.25	1	10/04/2013 18:36
2-Chloronaphthalene	ND	0.25	1	10/04/2013 18:36
2-Chlorophenol	ND	0.25	1	10/04/2013 18:36
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/04/2013 18:36
Chrysene	ND	0.25	1	10/04/2013 18:36
Dibenzo (a,h) anthracene	ND	0.25	1	10/04/2013 18:36
Dibenzofuran	ND	0.25	1	10/04/2013 18:36
Di-n-butyl Phthalate	ND	0.25	1	10/04/2013 18:36
1,2-Dichlorobenzene	ND	0.25	1	10/04/2013 18:36
1,3-Dichlorobenzene	ND	0.25	1	10/04/2013 18:36
1,4-Dichlorobenzene	ND	0.25	1	10/04/2013 18:36
3,3-Dichlorobenzidine	ND	0.50	1	10/04/2013 18:36
2,4-Dichlorophenol	ND	0.25	1	10/04/2013 18:36
Diethyl Phthalate	ND	0.25	1	10/04/2013 18:36
2,4-Dimethylphenol	ND	0.25	1	10/04/2013 18:36
Dimethyl Phthalate	ND	0.25	1	10/04/2013 18:36
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/04/2013 18:36
2,4-Dinitrophenol	ND	6.3	1	10/04/2013 18:36
2,4-Dinitrotoluene	ND	0.25	1	10/04/2013 18:36

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-5.0	**1310135-005A**	**Soil**	**10/02/2013 08:50**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	10/04/2013 18:36
Di-n-octyl Phthalate	ND	0.50	1	10/04/2013 18:36
1,2-Diphenylhydrazine	ND	0.25	1	10/04/2013 18:36
Fluoranthene	ND	0.25	1	10/04/2013 18:36
Fluorene	ND	0.25	1	10/04/2013 18:36
Hexachlorobenzene	ND	0.25	1	10/04/2013 18:36
Hexachlorobutadiene	ND	0.25	1	10/04/2013 18:36
Hexachlorocyclopentadiene	ND	1.3	1	10/04/2013 18:36
Hexachloroethane	ND	0.25	1	10/04/2013 18:36
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/04/2013 18:36
Isophorone	ND	0.25	1	10/04/2013 18:36
2-Methylnaphthalene	ND	0.25	1	10/04/2013 18:36
2-Methylphenol (o-Cresol)	ND	0.25	1	10/04/2013 18:36
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/04/2013 18:36
Naphthalene	ND	0.25	1	10/04/2013 18:36
2-Nitroaniline	ND	1.3	1	10/04/2013 18:36
3-Nitroaniline	ND	1.3	1	10/04/2013 18:36
4-Nitroaniline	ND	1.3	1	10/04/2013 18:36
Nitrobenzene	ND	0.25	1	10/04/2013 18:36
2-Nitrophenol	ND	1.3	1	10/04/2013 18:36
4-Nitrophenol	ND	1.3	1	10/04/2013 18:36
N-Nitrosodiphenylamine	ND	0.25	1	10/04/2013 18:36
N-Nitrosodi-n-propylamine	ND	0.25	1	10/04/2013 18:36
Pentachlorophenol	ND	1.3	1	10/04/2013 18:36
Phenanthrene	ND	0.25	1	10/04/2013 18:36
Phenol	ND	0.25	1	10/04/2013 18:36
Pyrene	ND	0.25	1	10/04/2013 18:36
1,2,4-Trichlorobenzene	ND	0.25	1	10/04/2013 18:36
2,4,5-Trichlorophenol	ND	0.25	1	10/04/2013 18:36
2,4,6-Trichlorophenol	ND	0.25	1	10/04/2013 18:36

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-5.0	**1310135-005A**	**Soil**	**10/02/2013 08:50**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	78	30-130		10/04/2013 18:36
Phenol-d5	79	30-130		10/04/2013 18:36
Nitrobenzene-d5	61	30-130		10/04/2013 18:36
2-Fluorobiphenyl	57	30-130		10/04/2013 18:36
2,4,6-Tribromophenol	52	30-130		10/04/2013 18:36
4-Terphenyl-d14	64	30-130		10/04/2013 18:36

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-9.5	**1310135-006A**	**Soil**	**10/02/2013 09:00**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/04/2013 19:04
Acenaphthylene	ND	0.25	1	10/04/2013 19:04
Acetochlor	ND	0.25	1	10/04/2013 19:04
Anthracene	ND	0.25	1	10/04/2013 19:04
Benzidine	ND	1.3	1	10/04/2013 19:04
Benzo (a) anthracene	ND	0.25	1	10/04/2013 19:04
Benzo (b) fluoranthene	ND	0.25	1	10/04/2013 19:04
Benzo (k) fluoranthene	ND	0.25	1	10/04/2013 19:04
Benzo (g,h,i) perylene	ND	0.25	1	10/04/2013 19:04
Benzo (a) pyrene	ND	0.25	1	10/04/2013 19:04
Benzyl Alcohol	ND	1.3	1	10/04/2013 19:04
1,1-Biphenyl	ND	0.25	1	10/04/2013 19:04
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/04/2013 19:04
Bis (2-chloroethyl) Ether	ND	0.25	1	10/04/2013 19:04
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/04/2013 19:04
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/04/2013 19:04
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/04/2013 19:04
Butylbenzyl Phthalate	ND	0.25	1	10/04/2013 19:04
4-Chloroaniline	ND	0.25	1	10/04/2013 19:04
4-Chloro-3-methylphenol	ND	0.25	1	10/04/2013 19:04
2-Chloronaphthalene	ND	0.25	1	10/04/2013 19:04
2-Chlorophenol	ND	0.25	1	10/04/2013 19:04
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/04/2013 19:04
Chrysene	ND	0.25	1	10/04/2013 19:04
Dibenzo (a,h) anthracene	ND	0.25	1	10/04/2013 19:04
Dibenzofuran	ND	0.25	1	10/04/2013 19:04
Di-n-butyl Phthalate	ND	0.25	1	10/04/2013 19:04
1,2-Dichlorobenzene	ND	0.25	1	10/04/2013 19:04
1,3-Dichlorobenzene	ND	0.25	1	10/04/2013 19:04
1,4-Dichlorobenzene	ND	0.25	1	10/04/2013 19:04
3,3-Dichlorobenzidine	ND	0.50	1	10/04/2013 19:04
2,4-Dichlorophenol	ND	0.25	1	10/04/2013 19:04
Diethyl Phthalate	ND	0.25	1	10/04/2013 19:04
2,4-Dimethylphenol	ND	0.25	1	10/04/2013 19:04
Dimethyl Phthalate	ND	0.25	1	10/04/2013 19:04
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/04/2013 19:04
2,4-Dinitrophenol	ND	6.3	1	10/04/2013 19:04
2,4-Dinitrotoluene	ND	0.25	1	10/04/2013 19:04

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-9.5	**1310135-006A**	**Soil**	**10/02/2013 09:00**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	10/04/2013 19:04
Di-n-octyl Phthalate	ND	0.50	1	10/04/2013 19:04
1,2-Diphenylhydrazine	ND	0.25	1	10/04/2013 19:04
Fluoranthene	ND	0.25	1	10/04/2013 19:04
Fluorene	ND	0.25	1	10/04/2013 19:04
Hexachlorobenzene	ND	0.25	1	10/04/2013 19:04
Hexachlorobutadiene	ND	0.25	1	10/04/2013 19:04
Hexachlorocyclopentadiene	ND	1.3	1	10/04/2013 19:04
Hexachloroethane	ND	0.25	1	10/04/2013 19:04
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/04/2013 19:04
Isophorone	ND	0.25	1	10/04/2013 19:04
2-Methylnaphthalene	ND	0.25	1	10/04/2013 19:04
2-Methylphenol (o-Cresol)	ND	0.25	1	10/04/2013 19:04
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/04/2013 19:04
Naphthalene	ND	0.25	1	10/04/2013 19:04
2-Nitroaniline	ND	1.3	1	10/04/2013 19:04
3-Nitroaniline	ND	1.3	1	10/04/2013 19:04
4-Nitroaniline	ND	1.3	1	10/04/2013 19:04
Nitrobenzene	ND	0.25	1	10/04/2013 19:04
2-Nitrophenol	ND	1.3	1	10/04/2013 19:04
4-Nitrophenol	ND	1.3	1	10/04/2013 19:04
N-Nitrosodiphenylamine	ND	0.25	1	10/04/2013 19:04
N-Nitrosodi-n-propylamine	ND	0.25	1	10/04/2013 19:04
Pentachlorophenol	ND	1.3	1	10/04/2013 19:04
Phenanthrene	ND	0.25	1	10/04/2013 19:04
Phenol	ND	0.25	1	10/04/2013 19:04
Pyrene	ND	0.25	1	10/04/2013 19:04
1,2,4-Trichlorobenzene	ND	0.25	1	10/04/2013 19:04
2,4,5-Trichlorophenol	ND	0.25	1	10/04/2013 19:04
2,4,6-Trichlorophenol	ND	0.25	1	10/04/2013 19:04

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-9.5	**1310135-006A**	**Soil**	**10/02/2013 09:00**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	77	30-130		10/04/2013 19:04
Phenol-d5	77	30-130		10/04/2013 19:04
Nitrobenzene-d5	66	30-130		10/04/2013 19:04
2-Fluorobiphenyl	63	30-130		10/04/2013 19:04
2,4,6-Tribromophenol	53	30-130		10/04/2013 19:04
4-Terphenyl-d14	73	30-130		10/04/2013 19:04

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-5.0	**1310135-009A**	**Soil**	**10/02/2013 14:10**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/04/2013 19:31
Acenaphthylene	ND	0.25	1	10/04/2013 19:31
Acetochlor	ND	0.25	1	10/04/2013 19:31
Anthracene	ND	0.25	1	10/04/2013 19:31
Benzidine	ND	1.3	1	10/04/2013 19:31
Benzo (a) anthracene	ND	0.25	1	10/04/2013 19:31
Benzo (b) fluoranthene	ND	0.25	1	10/04/2013 19:31
Benzo (k) fluoranthene	ND	0.25	1	10/04/2013 19:31
Benzo (g,h,i) perylene	ND	0.25	1	10/04/2013 19:31
Benzo (a) pyrene	ND	0.25	1	10/04/2013 19:31
Benzyl Alcohol	ND	1.3	1	10/04/2013 19:31
1,1-Biphenyl	ND	0.25	1	10/04/2013 19:31
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/04/2013 19:31
Bis (2-chloroethyl) Ether	ND	0.25	1	10/04/2013 19:31
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/04/2013 19:31
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/04/2013 19:31
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/04/2013 19:31
Butylbenzyl Phthalate	ND	0.25	1	10/04/2013 19:31
4-Chloroaniline	ND	0.25	1	10/04/2013 19:31
4-Chloro-3-methylphenol	ND	0.25	1	10/04/2013 19:31
2-Chloronaphthalene	ND	0.25	1	10/04/2013 19:31
2-Chlorophenol	ND	0.25	1	10/04/2013 19:31
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/04/2013 19:31
Chrysene	ND	0.25	1	10/04/2013 19:31
Dibenzo (a,h) anthracene	ND	0.25	1	10/04/2013 19:31
Dibenzofuran	ND	0.25	1	10/04/2013 19:31
Di-n-butyl Phthalate	ND	0.25	1	10/04/2013 19:31
1,2-Dichlorobenzene	ND	0.25	1	10/04/2013 19:31
1,3-Dichlorobenzene	ND	0.25	1	10/04/2013 19:31
1,4-Dichlorobenzene	ND	0.25	1	10/04/2013 19:31
3,3-Dichlorobenzidine	ND	0.50	1	10/04/2013 19:31
2,4-Dichlorophenol	ND	0.25	1	10/04/2013 19:31
Diethyl Phthalate	ND	0.25	1	10/04/2013 19:31
2,4-Dimethylphenol	ND	0.25	1	10/04/2013 19:31
Dimethyl Phthalate	ND	0.25	1	10/04/2013 19:31
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/04/2013 19:31
2,4-Dinitrophenol	ND	6.3	1	10/04/2013 19:31
2,4-Dinitrotoluene	ND	0.25	1	10/04/2013 19:31

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-5.0	**1310135-009A**	**Soil**	**10/02/2013 14:10**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	10/04/2013 19:31
Di-n-octyl Phthalate	ND	0.50	1	10/04/2013 19:31
1,2-Diphenylhydrazine	ND	0.25	1	10/04/2013 19:31
Fluoranthene	ND	0.25	1	10/04/2013 19:31
Fluorene	ND	0.25	1	10/04/2013 19:31
Hexachlorobenzene	ND	0.25	1	10/04/2013 19:31
Hexachlorobutadiene	ND	0.25	1	10/04/2013 19:31
Hexachlorocyclopentadiene	ND	1.3	1	10/04/2013 19:31
Hexachloroethane	ND	0.25	1	10/04/2013 19:31
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/04/2013 19:31
Isophorone	ND	0.25	1	10/04/2013 19:31
2-Methylnaphthalene	ND	0.25	1	10/04/2013 19:31
2-Methylphenol (o-Cresol)	ND	0.25	1	10/04/2013 19:31
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/04/2013 19:31
Naphthalene	ND	0.25	1	10/04/2013 19:31
2-Nitroaniline	ND	1.3	1	10/04/2013 19:31
3-Nitroaniline	ND	1.3	1	10/04/2013 19:31
4-Nitroaniline	ND	1.3	1	10/04/2013 19:31
Nitrobenzene	ND	0.25	1	10/04/2013 19:31
2-Nitrophenol	ND	1.3	1	10/04/2013 19:31
4-Nitrophenol	ND	1.3	1	10/04/2013 19:31
N-Nitrosodiphenylamine	ND	0.25	1	10/04/2013 19:31
N-Nitrosodi-n-propylamine	ND	0.25	1	10/04/2013 19:31
Pentachlorophenol	ND	1.3	1	10/04/2013 19:31
Phenanthrene	ND	0.25	1	10/04/2013 19:31
Phenol	ND	0.25	1	10/04/2013 19:31
Pyrene	ND	0.25	1	10/04/2013 19:31
1,2,4-Trichlorobenzene	ND	0.25	1	10/04/2013 19:31
2,4,5-Trichlorophenol	ND	0.25	1	10/04/2013 19:31
2,4,6-Trichlorophenol	ND	0.25	1	10/04/2013 19:31

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-5.0	**1310135-009A**	**Soil**	**10/02/2013 14:10**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	70	30-130		10/04/2013 19:31
Phenol-d5	74	30-130		10/04/2013 19:31
Nitrobenzene-d5	59	30-130		10/04/2013 19:31
2-Fluorobiphenyl	56	30-130		10/04/2013 19:31
2,4,6-Tribromophenol	44	30-130		10/04/2013 19:31
4-Terphenyl-d14	65	30-130		10/04/2013 19:31

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-9.5	**1310135-010A**	**Soil**	**10/02/2013 14:15**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/04/2013 19:58
Acenaphthylene	ND	0.25	1	10/04/2013 19:58
Acetochlor	ND	0.25	1	10/04/2013 19:58
Anthracene	ND	0.25	1	10/04/2013 19:58
Benzidine	ND	1.3	1	10/04/2013 19:58
Benzo (a) anthracene	ND	0.25	1	10/04/2013 19:58
Benzo (b) fluoranthene	ND	0.25	1	10/04/2013 19:58
Benzo (k) fluoranthene	ND	0.25	1	10/04/2013 19:58
Benzo (g,h,i) perylene	ND	0.25	1	10/04/2013 19:58
Benzo (a) pyrene	ND	0.25	1	10/04/2013 19:58
Benzyl Alcohol	ND	1.3	1	10/04/2013 19:58
1,1-Biphenyl	ND	0.25	1	10/04/2013 19:58
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/04/2013 19:58
Bis (2-chloroethyl) Ether	ND	0.25	1	10/04/2013 19:58
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/04/2013 19:58
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/04/2013 19:58
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/04/2013 19:58
Butylbenzyl Phthalate	ND	0.25	1	10/04/2013 19:58
4-Chloroaniline	ND	0.25	1	10/04/2013 19:58
4-Chloro-3-methylphenol	ND	0.25	1	10/04/2013 19:58
2-Chloronaphthalene	ND	0.25	1	10/04/2013 19:58
2-Chlorophenol	ND	0.25	1	10/04/2013 19:58
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/04/2013 19:58
Chrysene	ND	0.25	1	10/04/2013 19:58
Dibenzo (a,h) anthracene	ND	0.25	1	10/04/2013 19:58
Dibenzofuran	ND	0.25	1	10/04/2013 19:58
Di-n-butyl Phthalate	ND	0.25	1	10/04/2013 19:58
1,2-Dichlorobenzene	ND	0.25	1	10/04/2013 19:58
1,3-Dichlorobenzene	ND	0.25	1	10/04/2013 19:58
1,4-Dichlorobenzene	ND	0.25	1	10/04/2013 19:58
3,3-Dichlorobenzidine	ND	0.50	1	10/04/2013 19:58
2,4-Dichlorophenol	ND	0.25	1	10/04/2013 19:58
Diethyl Phthalate	ND	0.25	1	10/04/2013 19:58
2,4-Dimethylphenol	ND	0.25	1	10/04/2013 19:58
Dimethyl Phthalate	ND	0.25	1	10/04/2013 19:58
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/04/2013 19:58
2,4-Dinitrophenol	ND	6.3	1	10/04/2013 19:58
2,4-Dinitrotoluene	ND	0.25	1	10/04/2013 19:58

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-9.5	**1310135-010A**	**Soil**	**10/02/2013 14:15**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	10/04/2013 19:58
Di-n-octyl Phthalate	ND	0.50	1	10/04/2013 19:58
1,2-Diphenylhydrazine	ND	0.25	1	10/04/2013 19:58
Fluoranthene	ND	0.25	1	10/04/2013 19:58
Fluorene	ND	0.25	1	10/04/2013 19:58
Hexachlorobenzene	ND	0.25	1	10/04/2013 19:58
Hexachlorobutadiene	ND	0.25	1	10/04/2013 19:58
Hexachlorocyclopentadiene	ND	1.3	1	10/04/2013 19:58
Hexachloroethane	ND	0.25	1	10/04/2013 19:58
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/04/2013 19:58
Isophorone	ND	0.25	1	10/04/2013 19:58
2-Methylnaphthalene	ND	0.25	1	10/04/2013 19:58
2-Methylphenol (o-Cresol)	ND	0.25	1	10/04/2013 19:58
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/04/2013 19:58
Naphthalene	ND	0.25	1	10/04/2013 19:58
2-Nitroaniline	ND	1.3	1	10/04/2013 19:58
3-Nitroaniline	ND	1.3	1	10/04/2013 19:58
4-Nitroaniline	ND	1.3	1	10/04/2013 19:58
Nitrobenzene	ND	0.25	1	10/04/2013 19:58
2-Nitrophenol	ND	1.3	1	10/04/2013 19:58
4-Nitrophenol	ND	1.3	1	10/04/2013 19:58
N-Nitrosodiphenylamine	ND	0.25	1	10/04/2013 19:58
N-Nitrosodi-n-propylamine	ND	0.25	1	10/04/2013 19:58
Pentachlorophenol	ND	1.3	1	10/04/2013 19:58
Phenanthrene	ND	0.25	1	10/04/2013 19:58
Phenol	ND	0.25	1	10/04/2013 19:58
Pyrene	ND	0.25	1	10/04/2013 19:58
1,2,4-Trichlorobenzene	ND	0.25	1	10/04/2013 19:58
2,4,5-Trichlorophenol	ND	0.25	1	10/04/2013 19:58
2,4,6-Trichlorophenol	ND	0.25	1	10/04/2013 19:58

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CDPH ELAP 1644 ♦ NELAP 12283CA HK Analyst's Initial Angela Rydelius, Lab Manager

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-9.5	**1310135-010A**	**Soil**	**10/02/2013 14:15**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	69	30-130		10/04/2013 19:58
Phenol-d5	69	30-130		10/04/2013 19:58
Nitrobenzene-d5	55	30-130		10/04/2013 19:58
2-Fluorobiphenyl	54	30-130		10/04/2013 19:58
2,4,6-Tribromophenol	44	30-130		10/04/2013 19:58
4-Terphenyl-d14	59	30-130		10/04/2013 19:58

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-5.0	**1310135-013A**	**Soil**	**10/02/2013 15:15**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/04/2013 20:26
Acenaphthylene	ND	0.25	1	10/04/2013 20:26
Acetochlor	ND	0.25	1	10/04/2013 20:26
Anthracene	ND	0.25	1	10/04/2013 20:26
Benzidine	ND	1.3	1	10/04/2013 20:26
Benzo (a) anthracene	ND	0.25	1	10/04/2013 20:26
Benzo (b) fluoranthene	ND	0.25	1	10/04/2013 20:26
Benzo (k) fluoranthene	ND	0.25	1	10/04/2013 20:26
Benzo (g,h,i) perylene	ND	0.25	1	10/04/2013 20:26
Benzo (a) pyrene	ND	0.25	1	10/04/2013 20:26
Benzyl Alcohol	ND	1.3	1	10/04/2013 20:26
1,1-Biphenyl	ND	0.25	1	10/04/2013 20:26
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/04/2013 20:26
Bis (2-chloroethyl) Ether	ND	0.25	1	10/04/2013 20:26
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/04/2013 20:26
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/04/2013 20:26
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/04/2013 20:26
Butylbenzyl Phthalate	**9.3**	0.25	1	10/04/2013 20:26
4-Chloroaniline	ND	0.25	1	10/04/2013 20:26
4-Chloro-3-methylphenol	ND	0.25	1	10/04/2013 20:26
2-Chloronaphthalene	ND	0.25	1	10/04/2013 20:26
2-Chlorophenol	ND	0.25	1	10/04/2013 20:26
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/04/2013 20:26
Chrysene	ND	0.25	1	10/04/2013 20:26
Dibenzo (a,h) anthracene	ND	0.25	1	10/04/2013 20:26
Dibenzofuran	ND	0.25	1	10/04/2013 20:26
Di-n-butyl Phthalate	ND	0.25	1	10/04/2013 20:26
1,2-Dichlorobenzene	ND	0.25	1	10/04/2013 20:26
1,3-Dichlorobenzene	ND	0.25	1	10/04/2013 20:26
1,4-Dichlorobenzene	ND	0.25	1	10/04/2013 20:26
3,3-Dichlorobenzidine	ND	0.50	1	10/04/2013 20:26
2,4-Dichlorophenol	ND	0.25	1	10/04/2013 20:26
Diethyl Phthalate	ND	0.25	1	10/04/2013 20:26
2,4-Dimethylphenol	ND	0.25	1	10/04/2013 20:26
Dimethyl Phthalate	ND	0.25	1	10/04/2013 20:26
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/04/2013 20:26
2,4-Dinitrophenol	ND	6.3	1	10/04/2013 20:26
2,4-Dinitrotoluene	ND	0.25	1	10/04/2013 20:26

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-5.0	**1310135-013A**	**Soil**	**10/02/2013 15:15**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	10/04/2013 20:26
Di-n-octyl Phthalate	ND	0.50	1	10/04/2013 20:26
1,2-Diphenylhydrazine	ND	0.25	1	10/04/2013 20:26
Fluoranthene	ND	0.25	1	10/04/2013 20:26
Fluorene	ND	0.25	1	10/04/2013 20:26
Hexachlorobenzene	ND	0.25	1	10/04/2013 20:26
Hexachlorobutadiene	ND	0.25	1	10/04/2013 20:26
Hexachlorocyclopentadiene	ND	1.3	1	10/04/2013 20:26
Hexachloroethane	ND	0.25	1	10/04/2013 20:26
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/04/2013 20:26
Isophorone	ND	0.25	1	10/04/2013 20:26
2-Methylnaphthalene	ND	0.25	1	10/04/2013 20:26
2-Methylphenol (o-Cresol)	ND	0.25	1	10/04/2013 20:26
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/04/2013 20:26
Naphthalene	ND	0.25	1	10/04/2013 20:26
2-Nitroaniline	ND	1.3	1	10/04/2013 20:26
3-Nitroaniline	ND	1.3	1	10/04/2013 20:26
4-Nitroaniline	ND	1.3	1	10/04/2013 20:26
Nitrobenzene	ND	0.25	1	10/04/2013 20:26
2-Nitrophenol	ND	1.3	1	10/04/2013 20:26
4-Nitrophenol	ND	1.3	1	10/04/2013 20:26
N-Nitrosodiphenylamine	ND	0.25	1	10/04/2013 20:26
N-Nitrosodi-n-propylamine	ND	0.25	1	10/04/2013 20:26
Pentachlorophenol	ND	1.3	1	10/04/2013 20:26
Phenanthrene	ND	0.25	1	10/04/2013 20:26
Phenol	ND	0.25	1	10/04/2013 20:26
Pyrene	ND	0.25	1	10/04/2013 20:26
1,2,4-Trichlorobenzene	ND	0.25	1	10/04/2013 20:26
2,4,5-Trichlorophenol	ND	0.25	1	10/04/2013 20:26
2,4,6-Trichlorophenol	ND	0.25	1	10/04/2013 20:26

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-5.0	**1310135-013A**	**Soil**	**10/02/2013 15:15**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	83	30-130		10/04/2013 20:26
Phenol-d5	81	30-130		10/04/2013 20:26
Nitrobenzene-d5	66	30-130		10/04/2013 20:26
2-Fluorobiphenyl	63	30-130		10/04/2013 20:26
2,4,6-Tribromophenol	52	30-130		10/04/2013 20:26
4-Terphenyl-d14	72	30-130		10/04/2013 20:26

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-9.5	**1310135-014A**	**Soil**	**10/02/2013 15:20**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/04/2013 20:53
Acenaphthylene	ND	0.25	1	10/04/2013 20:53
Acetochlor	ND	0.25	1	10/04/2013 20:53
Anthracene	ND	0.25	1	10/04/2013 20:53
Benzidine	ND	1.3	1	10/04/2013 20:53
Benzo (a) anthracene	ND	0.25	1	10/04/2013 20:53
Benzo (b) fluoranthene	ND	0.25	1	10/04/2013 20:53
Benzo (k) fluoranthene	ND	0.25	1	10/04/2013 20:53
Benzo (g,h,i) perylene	ND	0.25	1	10/04/2013 20:53
Benzo (a) pyrene	ND	0.25	1	10/04/2013 20:53
Benzyl Alcohol	ND	1.3	1	10/04/2013 20:53
1,1-Biphenyl	ND	0.25	1	10/04/2013 20:53
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/04/2013 20:53
Bis (2-chloroethyl) Ether	ND	0.25	1	10/04/2013 20:53
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/04/2013 20:53
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/04/2013 20:53
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/04/2013 20:53
Butylbenzyl Phthalate	ND	0.25	1	10/04/2013 20:53
4-Chloroaniline	ND	0.25	1	10/04/2013 20:53
4-Chloro-3-methylphenol	ND	0.25	1	10/04/2013 20:53
2-Chloronaphthalene	ND	0.25	1	10/04/2013 20:53
2-Chlorophenol	ND	0.25	1	10/04/2013 20:53
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/04/2013 20:53
Chrysene	ND	0.25	1	10/04/2013 20:53
Dibenzo (a,h) anthracene	ND	0.25	1	10/04/2013 20:53
Dibenzofuran	ND	0.25	1	10/04/2013 20:53
Di-n-butyl Phthalate	ND	0.25	1	10/04/2013 20:53
1,2-Dichlorobenzene	ND	0.25	1	10/04/2013 20:53
1,3-Dichlorobenzene	ND	0.25	1	10/04/2013 20:53
1,4-Dichlorobenzene	ND	0.25	1	10/04/2013 20:53
3,3-Dichlorobenzidine	ND	0.50	1	10/04/2013 20:53
2,4-Dichlorophenol	ND	0.25	1	10/04/2013 20:53
Diethyl Phthalate	ND	0.25	1	10/04/2013 20:53
2,4-Dimethylphenol	ND	0.25	1	10/04/2013 20:53
Dimethyl Phthalate	ND	0.25	1	10/04/2013 20:53
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/04/2013 20:53
2,4-Dinitrophenol	ND	6.3	1	10/04/2013 20:53
2,4-Dinitrotoluene	ND	0.25	1	10/04/2013 20:53

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-9.5	**1310135-014A**	**Soil**	**10/02/2013 15:20**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
2,6-Dinitrotoluene	ND	0.25	1	10/04/2013 20:53
Di-n-octyl Phthalate	ND	0.50	1	10/04/2013 20:53
1,2-Diphenylhydrazine	ND	0.25	1	10/04/2013 20:53
Fluoranthene	ND	0.25	1	10/04/2013 20:53
Fluorene	ND	0.25	1	10/04/2013 20:53
Hexachlorobenzene	ND	0.25	1	10/04/2013 20:53
Hexachlorobutadiene	ND	0.25	1	10/04/2013 20:53
Hexachlorocyclopentadiene	ND	1.3	1	10/04/2013 20:53
Hexachloroethane	ND	0.25	1	10/04/2013 20:53
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/04/2013 20:53
Isophorone	ND	0.25	1	10/04/2013 20:53
2-Methylnaphthalene	ND	0.25	1	10/04/2013 20:53
2-Methylphenol (o-Cresol)	ND	0.25	1	10/04/2013 20:53
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/04/2013 20:53
Naphthalene	ND	0.25	1	10/04/2013 20:53
2-Nitroaniline	ND	1.3	1	10/04/2013 20:53
3-Nitroaniline	ND	1.3	1	10/04/2013 20:53
4-Nitroaniline	ND	1.3	1	10/04/2013 20:53
Nitrobenzene	ND	0.25	1	10/04/2013 20:53
2-Nitrophenol	ND	1.3	1	10/04/2013 20:53
4-Nitrophenol	ND	1.3	1	10/04/2013 20:53
N-Nitrosodiphenylamine	ND	0.25	1	10/04/2013 20:53
N-Nitrosodi-n-propylamine	ND	0.25	1	10/04/2013 20:53
Pentachlorophenol	ND	1.3	1	10/04/2013 20:53
Phenanthrene	ND	0.25	1	10/04/2013 20:53
Phenol	ND	0.25	1	10/04/2013 20:53
Pyrene	ND	0.25	1	10/04/2013 20:53
1,2,4-Trichlorobenzene	ND	0.25	1	10/04/2013 20:53
2,4,5-Trichlorophenol	ND	0.25	1	10/04/2013 20:53
2,4,6-Trichlorophenol	ND	0.25	1	10/04/2013 20:53

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8270C
Date Prepared:	10/4/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-9.5	**1310135-014A**	**Soil**	**10/02/2013 15:20**	**GC21**	**82459**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	80	30-130		10/04/2013 20:53
Phenol-d5	79	30-130		10/04/2013 20:53
Nitrobenzene-d5	65	30-130		10/04/2013 20:53
2-Fluorobiphenyl	61	30-130		10/04/2013 20:53
2,4,6-Tribromophenol	53	30-130		10/04/2013 20:53
4-Terphenyl-d14	70	30-130		10/04/2013 20:53

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/3/13-10/7/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-5.0	**1310135-001A**	**Soil**	**10/02/2013 10:30**	**GC7**	**82455**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/04/2013 20:43
MTBE	---	0.050	1	10/04/2013 20:43
Benzene	---	0.0050	1	10/04/2013 20:43
Toluene	---	0.0050	1	10/04/2013 20:43
Ethylbenzene	---	0.0050	1	10/04/2013 20:43
Xylenes	---	0.0050	1	10/04/2013 20:43

Surrogates	REC (%)	Limits	
2-fluorotoluene	110	70-130	10/04/2013 20:43

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-9.5	**1310135-002A**	**Soil**	**10/02/2013 10:40**	**GC7**	**82455**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/04/2013 21:13
MTBE	---	0.050	1	10/04/2013 21:13
Benzene	---	0.0050	1	10/04/2013 21:13
Toluene	---	0.0050	1	10/04/2013 21:13
Ethylbenzene	---	0.0050	1	10/04/2013 21:13
Xylenes	---	0.0050	1	10/04/2013 21:13

Surrogates	REC (%)	Limits	
2-fluorotoluene	110	70-130	10/04/2013 21:13

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-14.5	**1310135-003A**	**Soil**	**10/02/2013 11:00**	**GC7**	**82455**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/04/2013 21:43
MTBE	---	0.050	1	10/04/2013 21:43
Benzene	---	0.0050	1	10/04/2013 21:43
Toluene	---	0.0050	1	10/04/2013 21:43
Ethylbenzene	---	0.0050	1	10/04/2013 21:43
Xylenes	---	0.0050	1	10/04/2013 21:43

Surrogates	REC (%)	Limits	
2-fluorotoluene	116	70-130	10/04/2013 21:43

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CDPH ELAP 1644 ♦ NELAP 12283CA IA Analyst's Initial Angela Rydelius, Lab Manager

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/3/13-10/7/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-5.0	**1310135-005A**	**Soil**	**10/02/2013 08:50**	**GC19**	**82582**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/08/2013 19:47
MTBE	---	0.050	1	10/08/2013 19:47
Benzene	---	0.0050	1	10/08/2013 19:47
Toluene	---	0.0050	1	10/08/2013 19:47
Ethylbenzene	---	0.0050	1	10/08/2013 19:47
Xylenes	---	0.0050	1	10/08/2013 19:47

Surrogates	REC (%)	Limits	
2-fluorotoluene	98	70-130	10/08/2013 19:47

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-9.5	**1310135-006A**	**Soil**	**10/02/2013 09:00**	**GC19**	**82582**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/08/2013 21:17
MTBE	---	0.050	1	10/08/2013 21:17
Benzene	---	0.0050	1	10/08/2013 21:17
Toluene	---	0.0050	1	10/08/2013 21:17
Ethylbenzene	---	0.0050	1	10/08/2013 21:17
Xylenes	---	0.0050	1	10/08/2013 21:17

Surrogates	REC (%)	Limits	
2-fluorotoluene	106	70-130	10/08/2013 21:17

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-14.5	**1310135-007A**	**Soil**	**10/02/2013 09:05**	**GC7**	**82455**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/05/2013 04:14
MTBE	---	0.050	1	10/05/2013 04:14
Benzene	---	0.0050	1	10/05/2013 04:14
Toluene	---	0.0050	1	10/05/2013 04:14
Ethylbenzene	---	0.0050	1	10/05/2013 04:14
Xylenes	---	0.0050	1	10/05/2013 04:14

Surrogates	REC (%)	Limits	
2-fluorotoluene	111	70-130	10/05/2013 04:14

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/3/13-10/7/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-5.0	**1310135-009A**	**Soil**	**10/02/2013 14:10**	**GC7**	**82455**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/05/2013 04:44
MTBE	---	0.050	1	10/05/2013 04:44
Benzene	---	0.0050	1	10/05/2013 04:44
Toluene	---	0.0050	1	10/05/2013 04:44
Ethylbenzene	---	0.0050	1	10/05/2013 04:44
Xylenes	---	0.0050	1	10/05/2013 04:44

Surrogates	REC (%)	Limits	
2-fluorotoluene	115	70-130	10/05/2013 04:44

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-9.5	**1310135-010A**	**Soil**	**10/02/2013 14:15**	**GC7**	**82455**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/05/2013 05:44
MTBE	---	0.050	1	10/05/2013 05:44
Benzene	---	0.0050	1	10/05/2013 05:44
Toluene	---	0.0050	1	10/05/2013 05:44
Ethylbenzene	---	0.0050	1	10/05/2013 05:44
Xylenes	---	0.0050	1	10/05/2013 05:44

Surrogates	REC (%)	Limits	
2-fluorotoluene	117	70-130	10/05/2013 05:44

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-14.5	**1310135-011A**	**Soil**	**10/02/2013 14:20**	**GC7**	**82455**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/05/2013 06:14
MTBE	---	0.050	1	10/05/2013 06:14
Benzene	---	0.0050	1	10/05/2013 06:14
Toluene	---	0.0050	1	10/05/2013 06:14
Ethylbenzene	---	0.0050	1	10/05/2013 06:14
Xylenes	---	0.0050	1	10/05/2013 06:14

Surrogates	REC (%)	Limits	
2-fluorotoluene	110	70-130	10/05/2013 06:14

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW5030B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/3/13-10/7/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-5.0	**1310135-013A**	**Soil**	**10/02/2013 15:15**	**GC7**	**82455**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/05/2013 06:43
MTBE	---	0.050	1	10/05/2013 06:43
Benzene	---	0.0050	1	10/05/2013 06:43
Toluene	---	0.0050	1	10/05/2013 06:43
Ethylbenzene	---	0.0050	1	10/05/2013 06:43
Xylenes	---	0.0050	1	10/05/2013 06:43

Surrogates	REC (%)	Limits	
2-fluorotoluene	119	70-130	10/05/2013 06:43

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-9.5	**1310135-014A**	**Soil**	**10/02/2013 15:20**	**GC7**	**82455**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/05/2013 13:44
MTBE	---	0.050	1	10/05/2013 13:44
Benzene	---	0.0050	1	10/05/2013 13:44
Toluene	---	0.0050	1	10/05/2013 13:44
Ethylbenzene	---	0.0050	1	10/05/2013 13:44
Xylenes	---	0.0050	1	10/05/2013 13:44

Surrogates	REC (%)	Limits	
2-fluorotoluene	108	70-130	10/05/2013 13:44

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3050B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW6010B
Date Prepared:	10/3/13	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-5.0	**1310135-001A**	**Soil/TOTAL**	**10/02/2013 10:30**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/04/2013 11:50

Surrogates	REC (%)	Limits	
Tb 350.917	100	70-130	10/04/2013 11:50

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-9.5	**1310135-002A**	**Soil/TOTAL**	**10/02/2013 10:40**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/04/2013 11:53

Surrogates	REC (%)	Limits	
Tb 350.917	102	70-130	10/04/2013 11:53

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-14.5	**1310135-003A**	**Soil/TOTAL**	**10/02/2013 11:00**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/04/2013 11:55

Surrogates	REC (%)	Limits	
Tb 350.917	102	70-130	10/04/2013 11:55

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-5.0	**1310135-005A**	**Soil/TOTAL**	**10/02/2013 08:50**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/04/2013 11:57

Surrogates	REC (%)	Limits	
Tb 350.917	104	70-130	10/04/2013 11:57

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-9.5	**1310135-006A**	**Soil/TOTAL**	**10/02/2013 09:00**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/04/2013 12:00

Surrogates	REC (%)	Limits	
Tb 350.917	107	70-130	10/04/2013 12:00

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3050B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW6010B
Date Prepared:	10/3/13	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-14.5	**1310135-007A**	**Soil/TOTAL**	**10/02/2013 09:05**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	**5.1**	5.0	1	10/04/2013 12:02

Surrogates	REC (%)	Limits	
Tb 350.917	103	70-130	10/04/2013 12:02

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-5.0	**1310135-009A**	**Soil/TOTAL**	**10/02/2013 14:10**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/04/2013 12:04

Surrogates	REC (%)	Limits	
Tb 350.917	100	70-130	10/04/2013 12:04

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-9.5	**1310135-010A**	**Soil/TOTAL**	**10/02/2013 14:15**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/04/2013 12:07

Surrogates	REC (%)	Limits	
Tb 350.917	104	70-130	10/04/2013 12:07

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-14.5	**1310135-011A**	**Soil/TOTAL**	**10/02/2013 14:20**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/04/2013 12:14

Surrogates	REC (%)	Limits	
Tb 350.917	103	70-130	10/04/2013 12:14

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-5.0	**1310135-013A**	**Soil/TOTAL**	**10/02/2013 15:15**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	**180**	5.0	1	10/04/2013 12:16

Surrogates	REC (%)	Limits	
Tb 350.917	108	70-130	10/04/2013 12:16

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3050B
Date Received:	10/3/13 19:37	**Analytical Method:**	SW6010B
Date Prepared:	10/3/13	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B13-9.5	**1310135-014A**	**Soil/TOTAL**	**10/02/2013 15:20**	**ICP-JY**	**82465**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/04/2013 12:18

Surrogates	REC (%)	Limits	
Tb 350.917	99	70-130	10/04/2013 12:18

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B/3630C
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8015B
Date Prepared:	10/3/13-10/9/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-5.0	**1310135-001A**	**Soil**	**10/02/2013 10:30**	**GC6A**	**82623**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.5**	1.0	1	10/08/2013 18:41
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/08/2013 18:41
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/08/2013 18:41

Surrogates	REC (%)	Limits	Analytical Comments: e7,e2	
C9	96	70-130		10/08/2013 18:41

B5-9.5	1310135-002A	Soil	10/02/2013 10:40	GC6B	82692

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	4.0	1	10/09/2013 17:50
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/09/2013 17:50
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/09/2013 17:50

Surrogates	REC (%)	Limits	
C9	110	70-130	10/09/2013 17:50

B5-14.5	1310135-003A	Soil	10/02/2013 11:00	GC6A	82454

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/08/2013 21:06
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/08/2013 21:06
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/08/2013 21:06

Surrogates	REC (%)	Limits	
C9	93	70-130	10/08/2013 21:06

B6-5.0	1310135-005A	Soil	10/02/2013 08:50	GC6A	82454

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/09/2013 01:52
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/09/2013 01:52
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/09/2013 01:52

Surrogates	REC (%)	Limits	
C9	90	70-130	10/09/2013 01:52

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B/3630C
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8015B
Date Prepared:	10/3/13-10/9/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-9.5	**1310135-006A**	**Soil**	**10/02/2013 09:00**	**GC6B**	**82454**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/06/2013 16:42
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/06/2013 16:42
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/06/2013 16:42

Surrogates	REC (%)	Limits	
C9	106	70-130	10/06/2013 16:42

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-14.5	**1310135-007A**	**Soil**	**10/02/2013 09:05**	**GC6A**	**82454**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/09/2013 05:25
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/09/2013 05:25
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/09/2013 05:25

Surrogates	REC (%)	Limits	
C9	79	70-130	10/09/2013 05:25

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-5.0	**1310135-009A**	**Soil**	**10/02/2013 14:10**	**GC6A**	**82454**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.5**	1.0	1	10/09/2013 00:40
TPH-Motor Oil (C18-C36)	**8.6**	5.0	1	10/09/2013 00:40
TPH-Bunker Oil (C10-C36)	**7.3**	5.0	1	10/09/2013 00:40

Surrogates	REC (%)	Limits	Analytical Comments: e7,e2
C9	89	70-130	10/09/2013 00:40

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-9.5	**1310135-010A**	**Soil**	**10/02/2013 14:15**	**GC6B**	**82454**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/06/2013 10:14
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/06/2013 10:14
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/06/2013 10:14

Surrogates	REC (%)	Limits	
C9	116	70-130	10/06/2013 10:14

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Project:	#0590; 1900 Webster St. Oakland	**Extraction Method**	SW3550B/3630C
Date Received:	10/3/13 19:37	**Analytical Method:**	SW8015B
Date Prepared:	10/3/13-10/9/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-14.5	**1310135-011A**	**Soil**	**10/02/2013 14:20**	**GC6B**	**82454**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**2.2**	1.0	1	10/06/2013 06:40
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/06/2013 06:40
TPH-Bunker Oil (C10-C36)	**7.1**	5.0	1	10/06/2013 06:40

Surrogates	REC (%)	Limits	Analytical Comments: e11
C9	112	70-130	10/06/2013 06:40

B13-5.0	1310135-013A	Soil	10/02/2013 15:15	GC6A	82454

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1.6**	1.0	1	10/08/2013 19:54
TPH-Motor Oil (C18-C36)	**30**	5.0	1	10/08/2013 19:54
TPH-Bunker Oil (C10-C36)	**24**	5.0	1	10/08/2013 19:54

Surrogates	REC (%)	Limits	
C9	94	70-130	10/08/2013 19:54

B13-9.5	1310135-014A	Soil	10/02/2013 15:20	GC6A	82454

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/09/2013 04:14
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/09/2013 04:14
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/09/2013 04:14

Surrogates	REC (%)	Limits	
C9	93	70-130	10/09/2013 04:14

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/3/13	**BatchID:**	82464
Date Analyzed:	10/4/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82464 1310135-014AMS/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	0.046	0.0050	0.050	-	92	70-130
Benzene	ND	0.04478	0.0050	0.050	-	89.6	70-130
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	0.2204	0.050	0.20	-	110	70-130
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	0.04431	0.0050	0.050	-	88.6	70-130
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	0.04578	0.0040	0.050	-	91.6	70-130
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	0.04416	0.0040	0.050	-	88.3	70-130
1,1-Dichloroethene	ND	0.03695	0.0050	0.050	-	73.9	70-130
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	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/3/13	**BatchID:**	82464
Date Analyzed:	10/4/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82464 1310135-014AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	0.05017	0.0050	0.050	-	100	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04686	0.0050	0.050	-	93.7	70-130
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	0.04869	0.0050	0.050	-	97.4	70-130
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	0.0465	0.0050	0.050	-	93	70-130
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	0.03893	0.0050	0.050	-	77.9	70-130
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	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	0.1186	0.1216		0.12	95	97	70-130
Toluene-d8	0.1283	0.1274		0.12	103	102	70-130
4-BFB	0.01282	0.01205		0.012	103	96	70-130

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/3/13	**BatchID:**	82464
Date Analyzed:	10/4/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82464 1310135-014AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.04215	0.04362	0.050	ND	84.3	87.2	56-94	3.42	30
Benzene	0.04168	0.04226	0.050	ND	83.4	84.5	60-106	1.38	30
t-Butyl alcohol (TBA)	0.1914	0.1949	0.20	ND	95.7	97.4	56-140	1.81	30
Chlorobenzene	0.04083	0.0415	0.050	ND	81.7	83	61-108	1.64	30
1,2-Dibromoethane (EDB)	0.0414	0.04375	0.050	ND	82.8	87.5	54-119	5.51	30
1,2-Dichloroethane (1,2-DCA)	0.04152	0.0427	0.050	ND	83	85.4	48-115	2.80	30
1,1-Dichloroethene	0.03322	0.03419	0.050	ND	66.4	68.4	46-111	2.88	30
Diisopropyl ether (DIPE)	0.04702	0.0472	0.050	ND	94	94.4	53-111	0.383	30
Ethyl tert-butyl ether (ETBE)	0.04365	0.04417	0.050	ND	87.3	88.3	61-104	1.18	30
Methyl-t-butyl ether (MTBE)	0.0441	0.04584	0.050	ND	88.2	91.7	58-107	3.85	30
Toluene	0.04294	0.04372	0.050	ND	85.9	87.4	64-114	1.79	30
Trichloroethene	0.03635	0.03699	0.050	ND	72.7	74	60-116	1.72	30
Surrogate Recovery									
Dibromofluoromethane	0.1215	0.1215	0.12		97	97	70-130	0	30
Toluene-d8	0.1282	0.128	0.12		103	102	70-130	0.134	30
4-BFB	0.0118	0.01198	0.012		94	96	70-130	1.50	30

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/3/13	**BatchID:**	82459
Date Analyzed:	10/3/13	**Extraction Method**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82459 1310123-001AMS/MSD

QC SUMMARY REPORT FOR SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	5.85	0.25	5	-	117	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 (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	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	-	0.25	-	-	-	-
4-Chloro-3-methylphenol	ND	5.936	0.25	5	-	119	30-130
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	6.515	0.25	5	-	130	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	5.949	0.25	5	-	119	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	-	-	-	-
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	6.21	0.25	5	-	124	30-130
2,6-Dinitrotoluene	ND	-	0.25	-	-	-	-

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/3/13	**BatchID:**	82459
Date Analyzed:	10/3/13	**Extraction Method**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82459 1310123-001AMS/MSD

QC SUMMARY REPORT FOR SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
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 &/or 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	3.728	1.3	5	-	74.6	30-130
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	4.831	0.25	5	-	96.6	30-130
Pentachlorophenol	ND	4.388	1.3	5	-	87.8	30-130
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	5.793	0.25	5	-	116	30-130
Pyrene	ND	5.873	0.25	5	-	117	30-130
1,2,4-Trichlorobenzene	ND	6.66	0.25	5	-	133, F2	30-130
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-
Surrogate Recovery							
2-Fluorophenol	4.861	5.176		5	97	104	30-130
Phenol-d5	4.442	4.733		5	89	95	30-130
Nitrobenzene-d5	3.92	4.76		5	78	95	30-130
2-Fluorobiphenyl	4.011	4.499		5	80	90	30-130
2,4,6-Tribromophenol	2.337	3.261		5	47	65	30-130
4-Terphenyl-d14	4.027	4.469		5	81	89	30-130

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/3/13	**BatchID:**	82459
Date Analyzed:	10/3/13	**Extraction Method**	SW3550B
Instrument:	GC17	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82459 1310123-001AMS/MSD

QC SUMMARY REPORT FOR SW8270C

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	NR	NR	0	ND<20	NR	NR	-	NR	
4-Chloro-3-methylphenol	NR	NR	0	ND<20	NR	NR	-	NR	
2-Chlorophenol	NR	NR	0	ND<20	NR	NR	-	NR	
1,4-Dichlorobenzene	NR	NR	0	ND<20	NR	NR	-	NR	
2,4-Dinitrotoluene	NR	NR	0	ND<20	NR	NR	-	NR	
4-Nitrophenol	NR	NR	0	ND<100	NR	NR	-	NR	
N-Nitrosodi-n-propylamine	NR	NR	0	ND<20	NR	NR	-	NR	
Pentachlorophenol	NR	NR	0	ND<100	NR	NR	-	NR	
Phenol	NR	NR	0	ND<20	NR	NR	-	NR	
Pyrene	NR	NR	0	ND<20	NR	NR	-	NR	
1,2,4-Trichlorobenzene	NR	NR	0	ND<20	NR	NR	-	NR	
Surrogate Recovery									
2-Fluorophenol	NR	NR	0		NR	NR	-	NR	
Phenol-d5	NR	NR	0		NR	NR	-	NR	
Nitrobenzene-d5	NR	NR	0		NR	NR	-	NR	
2-Fluorobiphenyl	NR	NR	0		NR	NR	-	NR	
2,4,6-Tribromophenol	NR	NR	0		NR	NR	-	NR	
4-Terphenyl-d14	NR	NR	0		NR	NR	-	NR	

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/3/13	**BatchID:**	82455
Date Analyzed:	10/4/13	**Extraction Method**	SW5030B
Instrument:	GC19	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82455 1310123-006AMS/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	0.724	0.40	0.60	-	121	70-130
MTBE	ND	0.08295	0.050	0.10	-	82.9	70-130
Benzene	ND	0.1158	0.0050	0.10	-	116	70-130
Toluene	ND	0.1235	0.0050	0.10	-	123	70-130
Ethylbenzene	ND	0.118	0.0050	0.10	-	118	70-130
Xylenes	ND	0.3669	0.0050	0.30	-	122	70-130
Surrogate Recovery							
2-Fluorotoluene	0.1148	0.1118		0.10	115	112	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.6376	0.6225	0.60	ND	106	104	70-130	2.40	20
MTBE	0.07978	0.0811	0.10	ND	79.8	81.1	70-130	1.65	20
Benzene	0.1127	0.1118	0.10	ND	113	112	70-130	0.823	20
Toluene	0.1189	0.1189	0.10	ND	119	119	70-130	0	20
Ethylbenzene	0.1156	0.1164	0.10	ND	116	116	70-130	0	20
Xylenes	0.3668	0.3682	0.30	ND	122	123	70-130	0.382	20
Surrogate Recovery									
2-Fluorotoluene	0.1083	0.1065	0.10		108	106	70-130	1.68	20

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/7/13	**BatchID:**	82582
Date Analyzed:	10/9/13 - 10/10/13	**Extraction Method**	SW5030B
Instrument:	GC19, GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82582 1310030-023AMS/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	0.645	0.40	0.60	-	108	70-130
MTBE	ND	0.08847	0.050	0.10	-	88.5	70-130
Benzene	ND	0.1092	0.0050	0.10	-	109	70-130
Toluene	ND	0.1076	0.0050	0.10	-	108	70-130
Ethylbenzene	ND	0.1167	0.0050	0.10	-	117	70-130
Xylenes	ND	0.3551	0.0050	0.30	-	118	70-130
Surrogate Recovery							
2-Fluorotoluene	0.1071	0.1169		0.10	107	117	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.6059	0.5918	0.60	ND	101	98.6	70-130	2.36	20
MTBE	0.0863	0.07677	0.10	ND	86.3	76.8	70-130	11.7	20
Benzene	0.09086	0.08994	0.10	ND	90.9	89.9	70-130	1.02	20
Toluene	0.09718	0.09357	0.10	0.01229	84.9	81.3	70-130	3.78	20
Ethylbenzene	0.1021	0.1011	0.10	ND	102	101	70-130	0.955	20
Xylenes	0.3242	0.3152	0.30	ND	108	105	70-130	2.80	20
Surrogate Recovery									
2-Fluorotoluene	0.1101	0.1069	0.10		110	107	70-130	2.93	20

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/3/13	**BatchID:**	82465
Date Analyzed:	10/4/13	**Extraction Method**	SW3050B
Instrument:	ICP-JY	**Analytical Method:**	SW6010B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82465 1310135-014AMS/MSD

QC SUMMARY REPORT FOR 6010B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	46.85	5.0	50	-	93.7	75-125
Surrogate Recovery							
Tb 350.917	498.8	500.5		500	100	100	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	55.4	51.7	50	ND	111	103	75-125	6.91	25
Surrogate Recovery									
Tb 350.917	514.2	503.5	500		103	101	70-130	2.11	20

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/3/13	**BatchID:**	82454
Date Analyzed:	10/4/13 - 10/7/13	**Extraction Method:**	SW3550B/3630C
Instrument:	GC11A, GC11B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82454 1310123-006AMS/MSD

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	46.38	1.0	40	-	116	70-130
Surrogate Recovery							
C9	18.39	25.33		25	74	101	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	0	19	NR	NR	-	NR	
Surrogate Recovery									
C9	NR	NR	0		NR	NR	-	NR	

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/8/13	**BatchID:**	82623
Date Analyzed:	10/9/13	**Extraction Method:**	SW3550B/3630C
Instrument:	GC11A, GC11B	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82623 1310246-012AMS/MSD

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	41.32	1.0	40	-	103	70-130
Surrogate Recovery							
C9	17.47	23.76		25	70	95	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)	60.19	53.73	40	16.10	110	94.1	70-130	11.3	30
Surrogate Recovery									
C9	25.92	25.57	25		104	102	70-130	1.35	30

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310135
Date Prepared:	10/9/13	**BatchID:**	82692
Date Analyzed:	10/11/13	**Extraction Method:**	SW3550B/3630C
Instrument:	GC6A	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St. Oakland	**Sample ID:**	MB/LCS-82692

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	44.59	1.0	40	-	111	70-130
Surrogate Recovery							
C9	23.76	25.04		25	95	100	70-130

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310135 **ClientCode: PDEO**

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

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

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0590; 1900 Webster St. Oakland

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

Requested TAT: 5 days

Date Received: **10/03/2013**
Date Printed: **10/03/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1310135-001	B5-5.0	Soil	10/2/2013 10:30	☐	A	A	A	A								
1310135-002	B5-9.5	Soil	10/2/2013 10:40	☐	A	A	A	A								
1310135-003	B5-14.5	Soil	10/2/2013 11:00	☐	A		A	A								
1310135-005	B6-5.0	Soil	10/2/2013 8:50	☐	A	A	A	A								
1310135-006	B6-9.5	Soil	10/2/2013 9:00	☐	A	A	A	A								
1310135-007	B6-14.5	Soil	10/2/2013 9:05	☐	A		A	A								
1310135-009	B8-5.0	Soil	10/2/2013 14:10	☐	A	A	A	A								
1310135-010	B8-9.5	Soil	10/2/2013 14:15	☐	A	A	A	A								
1310135-011	B8-14.5	Soil	10/2/2013 14:20	☐	A		A	A								
1310135-013	B13-5.0	Soil	10/2/2013 15:15	☐	A	A	A	A								
1310135-014	B13-9.5	Soil	10/2/2013 15:20	☐	A	A	A	A								

Test Legend:

1	8260B_S	2	8270D_S	3	PB_S	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 005A, 006A, 007A, 009A, 010A, 011A, 013A, 014A contain testgroup.

Prepared by: Zoraida Cortez

Comments:

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

1310135

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

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

PROJECT NUMBER: 0590

PROJECT NAME: 1900 WEBSTER ST. OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE) MICHAEL BASS-DESCHENES

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	TPH(G,D,BO,MO) W/ SILICA GEL CLEANUP	EPA 8260	EPA 8270	TOTAL LEAD					PRESERVATIVE	REMARKS
B5-5.0	10/2/13	1030	SOIL		1	X	X	X	X					ICE	NORMAL TAT
B5-9.5	"	1040	"		1	X	X	X	X					"	" "
B5-14.5	"	1100	"		1	X	X		X					"	" "
B5-19.5	"	1110	"		1	X	X		X					"	HOLD
B6-5.0	10/2/13	0850	"		1	X	X	X	X					"	NORMAL TAT
B6-9.5	"	0900	"		1	X	X	X	X					"	" "
B6-14.5	"	0905	"		1	X	X		X					"	" "
B6-19.5	"	0935	"		1	X	X		X					"	HOLD
B8-5.0	10/2/13	1410	"		1	X	X	X	X					"	NORMAL TAT
B8-9.5	"	1415	"		1	X	X	X	X					"	" "
B8-14.5	"	1420	"		1	X	X		X					"	" "
B8-17.5	"	1423	"		1	X	X		X					"	HOLD

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment)	4	LABORATORY: McCAMPBELL ANALYTICAL, INC.
	10/3/13	1115		Total No. of Containers (This Shipment)	14	
RELINQUISHED BY: (SIGNATURE)	DATE 10/3/13	TIME 1600	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT: ANGELA RYDELIUS		LABORATORY PHONE NUMBER: (877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( ) YES (X) NO		

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

REMARKS:

ICE/t° 6.4
GOOD CONDITION____
HEAD SPACE ABSENT____
DECHLORINATED IN LAB____
APPROPRIATE CONTAINERS____
PRESERVED IN LAB____

PRESERVATION	VOAS	O&G	METALS	OTHER

CHAIN OF CUSTODY RECORD

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

PROJECT NUMBER: 0590

PROJECT NAME: 1900 WEBSTER ST. OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE) MICHAEL BASS-DESCHENES

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH(G,D,BO) w/ SILICA GEL CLEANUP	EPA 8260	EPA 8270	TOTAL LEAD					PRESERVATIVE	REMARKS
B13-5.0	10/2/13	1515	SOIL		1	X	X	X	X					ICE	NORMAL TAT
B13-9.5	"	1520	"		1	X	X	X	X					"	" "

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment)	4	LABORATORY:
	10/3/13	1430		Total No. of Containers (This Shipment)	14	MCCAMPBELL ANALYTICAL, INC.
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT:		LABORATORY PHONE NUMBER:
	10/3/13	1600		ANGELA RYDELIUS		(877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED:		( ) YES (X) NO

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

REMARKS:

McCampbell Analytical, Inc.
"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

Sample Receipt Checklist

Client Name: **P & D Environmental**
Date and Time Received: **10/3/2013 7:37:43 PM**

Project Name: **#0590; 1900 Webster St. Oakland**
LogIn Reviewed by: Zoraida Cortez

WorkOrder N°: **1310135** Matrix: Soil
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 0.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments: B6-14.5 was not labeled.

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1310381

Report Created for: P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Project Contact: Paul King
Project P.O.:
Project Name: #0590; 1900 Webster St, Oakland, CA

Project Received: 10/10/2013

Analytical Report reviewed & approved for release on 10/18/2013 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
NELAP: 12283CA ♦ ELAP: 1644 ♦ ISO/IEC: 17025:2005 ♦ WSDE: C972-11 ♦ ADEC: UST-098 ♦ UCMR3

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Glossary of Terms & Qualifier Definitions

Client: P & D Environmental
Project: #0590; 1900 Webster St, Oakland, CA
WorkOrder: 1310381

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
d2	heavier gasoline range compounds are significant (aged gasoline?)
e2	diesel range compounds are significant; no recognizable pattern
e4	gasoline range compounds are significant.
e7	oil range compounds are significant

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-5.0	1310381-001A	Soil	10/09/2013 10:55	GC10	82725

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/16/2013 09:29
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/16/2013 09:29
Benzene	ND	0.0050	1	10/16/2013 09:29
Bromobenzene	ND	0.0050	1	10/16/2013 09:29
Bromochloromethane	ND	0.0050	1	10/16/2013 09:29
Bromodichloromethane	ND	0.0050	1	10/16/2013 09:29
Bromoform	ND	0.0050	1	10/16/2013 09:29
Bromomethane	ND	0.0050	1	10/16/2013 09:29
2-Butanone (MEK)	ND	0.020	1	10/16/2013 09:29
t-Butyl alcohol (TBA)	ND	0.050	1	10/16/2013 09:29
n-Butyl benzene	ND	0.0050	1	10/16/2013 09:29
sec-Butyl benzene	ND	0.0050	1	10/16/2013 09:29
tert-Butyl benzene	ND	0.0050	1	10/16/2013 09:29
Carbon Disulfide	ND	0.0050	1	10/16/2013 09:29
Carbon Tetrachloride	ND	0.0050	1	10/16/2013 09:29
Chlorobenzene	ND	0.0050	1	10/16/2013 09:29
Chloroethane	ND	0.0050	1	10/16/2013 09:29
Chloroform	ND	0.0050	1	10/16/2013 09:29
Chloromethane	ND	0.0050	1	10/16/2013 09:29
2-Chlorotoluene	ND	0.0050	1	10/16/2013 09:29
4-Chlorotoluene	ND	0.0050	1	10/16/2013 09:29
Dibromochloromethane	ND	0.0050	1	10/16/2013 09:29
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/16/2013 09:29
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/16/2013 09:29
Dibromomethane	ND	0.0050	1	10/16/2013 09:29
1,2-Dichlorobenzene	ND	0.0050	1	10/16/2013 09:29
1,3-Dichlorobenzene	ND	0.0050	1	10/16/2013 09:29
1,4-Dichlorobenzene	ND	0.0050	1	10/16/2013 09:29
Dichlorodifluoromethane	ND	0.0050	1	10/16/2013 09:29
1,1-Dichloroethane	ND	0.0050	1	10/16/2013 09:29
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/16/2013 09:29
1,1-Dichloroethene	ND	0.0050	1	10/16/2013 09:29
cis-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 09:29
trans-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 09:29
1,2-Dichloropropane	ND	0.0050	1	10/16/2013 09:29
1,3-Dichloropropane	ND	0.0050	1	10/16/2013 09:29
2,2-Dichloropropane	ND	0.0050	1	10/16/2013 09:29
1,1-Dichloropropene	ND	0.0050	1	10/16/2013 09:29

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-5.0	**1310381-001A**	**Soil**	**10/09/2013 10:55**	**GC10**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 09:29
trans-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 09:29
Diisopropyl ether (DIPE)	ND	0.0050	1	10/16/2013 09:29
Ethylbenzene	ND	0.0050	1	10/16/2013 09:29
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/16/2013 09:29
Freon 113	ND	0.10	1	10/16/2013 09:29
Hexachlorobutadiene	ND	0.0050	1	10/16/2013 09:29
Hexachloroethane	ND	0.0050	1	10/16/2013 09:29
2-Hexanone	ND	0.0050	1	10/16/2013 09:29
Isopropylbenzene	ND	0.0050	1	10/16/2013 09:29
4-Isopropyl toluene	ND	0.0050	1	10/16/2013 09:29
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/16/2013 09:29
Methylene chloride	ND	0.0050	1	10/16/2013 09:29
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/16/2013 09:29
Naphthalene	ND	0.0050	1	10/16/2013 09:29
n-Propyl benzene	ND	0.0050	1	10/16/2013 09:29
Styrene	ND	0.0050	1	10/16/2013 09:29
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 09:29
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 09:29
Tetrachloroethene	ND	0.0050	1	10/16/2013 09:29
Toluene	ND	0.0050	1	10/16/2013 09:29
1,2,3-Trichlorobenzene	ND	0.0050	1	10/16/2013 09:29
1,2,4-Trichlorobenzene	ND	0.0050	1	10/16/2013 09:29
1,1,1-Trichloroethane	ND	0.0050	1	10/16/2013 09:29
1,1,2-Trichloroethane	ND	0.0050	1	10/16/2013 09:29
Trichloroethene	ND	0.0050	1	10/16/2013 09:29
Trichlorofluoromethane	ND	0.0050	1	10/16/2013 09:29
1,2,3-Trichloropropane	ND	0.0050	1	10/16/2013 09:29
1,2,4-Trimethylbenzene	ND	0.0050	1	10/16/2013 09:29
1,3,5-Trimethylbenzene	ND	0.0050	1	10/16/2013 09:29
Vinyl Chloride	ND	0.0050	1	10/16/2013 09:29
Xylenes, Total	ND	0.0050	1	10/16/2013 09:29

Surrogates	REC (%)	Limits	
Dibromofluoromethane	103	70-130	10/16/2013 09:29
Toluene-d8	109	70-130	10/16/2013 09:29
4-BFB	103	70-130	10/16/2013 09:29

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-9.5	1310381-002A	Soil	10/09/2013 11:20	GC10	82725

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/16/2013 10:11
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/16/2013 10:11
Benzene	ND	0.0050	1	10/16/2013 10:11
Bromobenzene	ND	0.0050	1	10/16/2013 10:11
Bromochloromethane	ND	0.0050	1	10/16/2013 10:11
Bromodichloromethane	ND	0.0050	1	10/16/2013 10:11
Bromoform	ND	0.0050	1	10/16/2013 10:11
Bromomethane	ND	0.0050	1	10/16/2013 10:11
2-Butanone (MEK)	ND	0.020	1	10/16/2013 10:11
t-Butyl alcohol (TBA)	ND	0.050	1	10/16/2013 10:11
n-Butyl benzene	ND	0.0050	1	10/16/2013 10:11
sec-Butyl benzene	ND	0.0050	1	10/16/2013 10:11
tert-Butyl benzene	ND	0.0050	1	10/16/2013 10:11
Carbon Disulfide	ND	0.0050	1	10/16/2013 10:11
Carbon Tetrachloride	ND	0.0050	1	10/16/2013 10:11
Chlorobenzene	ND	0.0050	1	10/16/2013 10:11
Chloroethane	ND	0.0050	1	10/16/2013 10:11
Chloroform	ND	0.0050	1	10/16/2013 10:11
Chloromethane	ND	0.0050	1	10/16/2013 10:11
2-Chlorotoluene	ND	0.0050	1	10/16/2013 10:11
4-Chlorotoluene	ND	0.0050	1	10/16/2013 10:11
Dibromochloromethane	ND	0.0050	1	10/16/2013 10:11
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/16/2013 10:11
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/16/2013 10:11
Dibromomethane	ND	0.0050	1	10/16/2013 10:11
1,2-Dichlorobenzene	ND	0.0050	1	10/16/2013 10:11
1,3-Dichlorobenzene	ND	0.0050	1	10/16/2013 10:11
1,4-Dichlorobenzene	ND	0.0050	1	10/16/2013 10:11
Dichlorodifluoromethane	ND	0.0050	1	10/16/2013 10:11
1,1-Dichloroethane	ND	0.0050	1	10/16/2013 10:11
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/16/2013 10:11
1,1-Dichloroethene	ND	0.0050	1	10/16/2013 10:11
cis-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 10:11
trans-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 10:11
1,2-Dichloropropane	ND	0.0050	1	10/16/2013 10:11
1,3-Dichloropropane	ND	0.0050	1	10/16/2013 10:11
2,2-Dichloropropane	ND	0.0050	1	10/16/2013 10:11
1,1-Dichloropropene	ND	0.0050	1	10/16/2013 10:11

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-9.5	**1310381-002A**	**Soil**	**10/09/2013 11:20**	**GC10**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 10:11
trans-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 10:11
Diisopropyl ether (DIPE)	ND	0.0050	1	10/16/2013 10:11
Ethylbenzene	ND	0.0050	1	10/16/2013 10:11
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/16/2013 10:11
Freon 113	ND	0.10	1	10/16/2013 10:11
Hexachlorobutadiene	ND	0.0050	1	10/16/2013 10:11
Hexachloroethane	ND	0.0050	1	10/16/2013 10:11
2-Hexanone	ND	0.0050	1	10/16/2013 10:11
Isopropylbenzene	ND	0.0050	1	10/16/2013 10:11
4-Isopropyl toluene	ND	0.0050	1	10/16/2013 10:11
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/16/2013 10:11
Methylene chloride	ND	0.0050	1	10/16/2013 10:11
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/16/2013 10:11
Naphthalene	ND	0.0050	1	10/16/2013 10:11
n-Propyl benzene	ND	0.0050	1	10/16/2013 10:11
Styrene	ND	0.0050	1	10/16/2013 10:11
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 10:11
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 10:11
Tetrachloroethene	ND	0.0050	1	10/16/2013 10:11
Toluene	ND	0.0050	1	10/16/2013 10:11
1,2,3-Trichlorobenzene	ND	0.0050	1	10/16/2013 10:11
1,2,4-Trichlorobenzene	ND	0.0050	1	10/16/2013 10:11
1,1,1-Trichloroethane	ND	0.0050	1	10/16/2013 10:11
1,1,2-Trichloroethane	ND	0.0050	1	10/16/2013 10:11
Trichloroethene	ND	0.0050	1	10/16/2013 10:11
Trichlorofluoromethane	ND	0.0050	1	10/16/2013 10:11
1,2,3-Trichloropropane	ND	0.0050	1	10/16/2013 10:11
1,2,4-Trimethylbenzene	ND	0.0050	1	10/16/2013 10:11
1,3,5-Trimethylbenzene	ND	0.0050	1	10/16/2013 10:11
Vinyl Chloride	ND	0.0050	1	10/16/2013 10:11
Xylenes, Total	ND	0.0050	1	10/16/2013 10:11

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	70-130	10/16/2013 10:11
Toluene-d8	105	70-130	10/16/2013 10:11
4-BFB	102	70-130	10/16/2013 10:11

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-13.0	**1310381-003A**	**Soil**	**10/09/2013 12:20**	**GC10**	**82725**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	40	400	10/16/2013 14:27
tert-Amyl methyl ether (TAME)	ND	2.0	400	10/16/2013 14:27
Benzene	ND	2.0	400	10/16/2013 14:27
Bromobenzene	ND	2.0	400	10/16/2013 14:27
Bromochloromethane	ND	2.0	400	10/16/2013 14:27
Bromodichloromethane	ND	2.0	400	10/16/2013 14:27
Bromoform	ND	2.0	400	10/16/2013 14:27
Bromomethane	ND	2.0	400	10/16/2013 14:27
2-Butanone (MEK)	ND	8.0	400	10/16/2013 14:27
t-Butyl alcohol (TBA)	ND	20	400	10/16/2013 14:27
n-Butyl benzene	**18**	2.0	400	10/16/2013 14:27
sec-Butyl benzene	ND	2.0	400	10/16/2013 14:27
tert-Butyl benzene	ND	2.0	400	10/16/2013 14:27
Carbon Disulfide	ND	2.0	400	10/16/2013 14:27
Carbon Tetrachloride	ND	2.0	400	10/16/2013 14:27
Chlorobenzene	ND	2.0	400	10/16/2013 14:27
Chloroethane	ND	2.0	400	10/16/2013 14:27
Chloroform	ND	2.0	400	10/16/2013 14:27
Chloromethane	ND	2.0	400	10/16/2013 14:27
2-Chlorotoluene	ND	2.0	400	10/16/2013 14:27
4-Chlorotoluene	ND	2.0	400	10/16/2013 14:27
Dibromochloromethane	ND	2.0	400	10/16/2013 14:27
1,2-Dibromo-3-chloropropane	ND	1.6	400	10/16/2013 14:27
1,2-Dibromoethane (EDB)	ND	1.6	400	10/16/2013 14:27
Dibromomethane	ND	2.0	400	10/16/2013 14:27
1,2-Dichlorobenzene	ND	2.0	400	10/16/2013 14:27
1,3-Dichlorobenzene	ND	2.0	400	10/16/2013 14:27
1,4-Dichlorobenzene	ND	2.0	400	10/16/2013 14:27
Dichlorodifluoromethane	ND	2.0	400	10/16/2013 14:27
1,1-Dichloroethane	ND	2.0	400	10/16/2013 14:27
1,2-Dichloroethane (1,2-DCA)	ND	1.6	400	10/16/2013 14:27
1,1-Dichloroethene	ND	2.0	400	10/16/2013 14:27
cis-1,2-Dichloroethene	ND	2.0	400	10/16/2013 14:27
trans-1,2-Dichloroethene	ND	2.0	400	10/16/2013 14:27
1,2-Dichloropropane	ND	2.0	400	10/16/2013 14:27
1,3-Dichloropropane	ND	2.0	400	10/16/2013 14:27
2,2-Dichloropropane	ND	2.0	400	10/16/2013 14:27
1,1-Dichloropropene	ND	2.0	400	10/16/2013 14:27

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-13.0	**1310381-003A**	**Soil**	**10/09/2013 12:20**	**GC10**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	2.0	400	10/16/2013 14:27
trans-1,3-Dichloropropene	ND	2.0	400	10/16/2013 14:27
Diisopropyl ether (DIPE)	ND	2.0	400	10/16/2013 14:27
Ethylbenzene	**5.7**	2.0	400	10/16/2013 14:27
Ethyl tert-butyl ether (ETBE)	ND	2.0	400	10/16/2013 14:27
Freon 113	ND	40	400	10/16/2013 14:27
Hexachlorobutadiene	ND	2.0	400	10/16/2013 14:27
Hexachloroethane	ND	2.0	400	10/16/2013 14:27
2-Hexanone	ND	2.0	400	10/16/2013 14:27
Isopropylbenzene	**2.2**	2.0	400	10/16/2013 14:27
4-Isopropyl toluene	**3.8**	2.0	400	10/16/2013 14:27
Methyl-t-butyl ether (MTBE)	ND	2.0	400	10/16/2013 14:27
Methylene chloride	ND	2.0	400	10/16/2013 14:27
4-Methyl-2-pentanone (MIBK)	ND	2.0	400	10/16/2013 14:27
Naphthalene	**18**	2.0	400	10/16/2013 14:27
n-Propyl benzene	**9.9**	2.0	400	10/16/2013 14:27
Styrene	ND	2.0	400	10/16/2013 14:27
1,1,1,2-Tetrachloroethane	ND	2.0	400	10/16/2013 14:27
1,1,2,2-Tetrachloroethane	ND	2.0	400	10/16/2013 14:27
Tetrachloroethene	ND	2.0	400	10/16/2013 14:27
Toluene	ND	2.0	400	10/16/2013 14:27
1,2,3-Trichlorobenzene	ND	2.0	400	10/16/2013 14:27
1,2,4-Trichlorobenzene	ND	2.0	400	10/16/2013 14:27
1,1,1-Trichloroethane	ND	2.0	400	10/16/2013 14:27
1,1,2-Trichloroethane	ND	2.0	400	10/16/2013 14:27
Trichloroethene	ND	2.0	400	10/16/2013 14:27
Trichlorofluoromethane	ND	2.0	400	10/16/2013 14:27
1,2,3-Trichloropropane	ND	2.0	400	10/16/2013 14:27
1,2,4-Trimethylbenzene	**59**	2.0	400	10/16/2013 14:27
1,3,5-Trimethylbenzene	**22**	2.0	400	10/16/2013 14:27
Vinyl Chloride	ND	2.0	400	10/16/2013 14:27
Xylenes, Total	**43**	2.0	400	10/16/2013 14:27

Surrogates	REC (%)	Limits	
Dibromofluoromethane	112	70-130	10/16/2013 14:27
Toluene-d8	98	70-130	10/16/2013 14:27
4-BFB	90	70-130	10/16/2013 14:27

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-5.0	1310381-004A	Soil	10/09/2013 08:40	GC10	82725

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/16/2013 10:53
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/16/2013 10:53
Benzene	ND	0.0050	1	10/16/2013 10:53
Bromobenzene	ND	0.0050	1	10/16/2013 10:53
Bromochloromethane	ND	0.0050	1	10/16/2013 10:53
Bromodichloromethane	ND	0.0050	1	10/16/2013 10:53
Bromoform	ND	0.0050	1	10/16/2013 10:53
Bromomethane	ND	0.0050	1	10/16/2013 10:53
2-Butanone (MEK)	ND	0.020	1	10/16/2013 10:53
t-Butyl alcohol (TBA)	ND	0.050	1	10/16/2013 10:53
n-Butyl benzene	ND	0.0050	1	10/16/2013 10:53
sec-Butyl benzene	ND	0.0050	1	10/16/2013 10:53
tert-Butyl benzene	ND	0.0050	1	10/16/2013 10:53
Carbon Disulfide	ND	0.0050	1	10/16/2013 10:53
Carbon Tetrachloride	ND	0.0050	1	10/16/2013 10:53
Chlorobenzene	ND	0.0050	1	10/16/2013 10:53
Chloroethane	ND	0.0050	1	10/16/2013 10:53
Chloroform	ND	0.0050	1	10/16/2013 10:53
Chloromethane	ND	0.0050	1	10/16/2013 10:53
2-Chlorotoluene	ND	0.0050	1	10/16/2013 10:53
4-Chlorotoluene	ND	0.0050	1	10/16/2013 10:53
Dibromochloromethane	ND	0.0050	1	10/16/2013 10:53
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/16/2013 10:53
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/16/2013 10:53
Dibromomethane	ND	0.0050	1	10/16/2013 10:53
1,2-Dichlorobenzene	ND	0.0050	1	10/16/2013 10:53
1,3-Dichlorobenzene	ND	0.0050	1	10/16/2013 10:53
1,4-Dichlorobenzene	ND	0.0050	1	10/16/2013 10:53
Dichlorodifluoromethane	ND	0.0050	1	10/16/2013 10:53
1,1-Dichloroethane	ND	0.0050	1	10/16/2013 10:53
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/16/2013 10:53
1,1-Dichloroethene	ND	0.0050	1	10/16/2013 10:53
cis-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 10:53
trans-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 10:53
1,2-Dichloropropane	ND	0.0050	1	10/16/2013 10:53
1,3-Dichloropropane	ND	0.0050	1	10/16/2013 10:53
2,2-Dichloropropane	ND	0.0050	1	10/16/2013 10:53
1,1-Dichloropropene	ND	0.0050	1	10/16/2013 10:53

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-5.0	**1310381-004A**	**Soil**	**10/09/2013 08:40**	**GC10**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 10:53
trans-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 10:53
Diisopropyl ether (DIPE)	ND	0.0050	1	10/16/2013 10:53
Ethylbenzene	ND	0.0050	1	10/16/2013 10:53
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/16/2013 10:53
Freon 113	ND	0.10	1	10/16/2013 10:53
Hexachlorobutadiene	ND	0.0050	1	10/16/2013 10:53
Hexachloroethane	ND	0.0050	1	10/16/2013 10:53
2-Hexanone	ND	0.0050	1	10/16/2013 10:53
Isopropylbenzene	ND	0.0050	1	10/16/2013 10:53
4-Isopropyl toluene	ND	0.0050	1	10/16/2013 10:53
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/16/2013 10:53
Methylene chloride	ND	0.0050	1	10/16/2013 10:53
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/16/2013 10:53
Naphthalene	ND	0.0050	1	10/16/2013 10:53
n-Propyl benzene	ND	0.0050	1	10/16/2013 10:53
Styrene	ND	0.0050	1	10/16/2013 10:53
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 10:53
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 10:53
Tetrachloroethene	ND	0.0050	1	10/16/2013 10:53
Toluene	ND	0.0050	1	10/16/2013 10:53
1,2,3-Trichlorobenzene	ND	0.0050	1	10/16/2013 10:53
1,2,4-Trichlorobenzene	ND	0.0050	1	10/16/2013 10:53
1,1,1-Trichloroethane	ND	0.0050	1	10/16/2013 10:53
1,1,2-Trichloroethane	ND	0.0050	1	10/16/2013 10:53
Trichloroethene	ND	0.0050	1	10/16/2013 10:53
Trichlorofluoromethane	ND	0.0050	1	10/16/2013 10:53
1,2,3-Trichloropropane	ND	0.0050	1	10/16/2013 10:53
1,2,4-Trimethylbenzene	ND	0.0050	1	10/16/2013 10:53
1,3,5-Trimethylbenzene	ND	0.0050	1	10/16/2013 10:53
Vinyl Chloride	ND	0.0050	1	10/16/2013 10:53
Xylenes, Total	ND	0.0050	1	10/16/2013 10:53

Surrogates	REC (%)	Limits	
Dibromofluoromethane	111	70-130	10/16/2013 10:53
Toluene-d8	113	70-130	10/16/2013 10:53
4-BFB	97	70-130	10/16/2013 10:53

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-9.5	**1310381-005A**	**Soil**	**10/09/2013 09:05**	**GC10**	**82725**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/16/2013 11:35
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/16/2013 11:35
Benzene	ND	0.0050	1	10/16/2013 11:35
Bromobenzene	ND	0.0050	1	10/16/2013 11:35
Bromochloromethane	ND	0.0050	1	10/16/2013 11:35
Bromodichloromethane	ND	0.0050	1	10/16/2013 11:35
Bromoform	ND	0.0050	1	10/16/2013 11:35
Bromomethane	ND	0.0050	1	10/16/2013 11:35
2-Butanone (MEK)	ND	0.020	1	10/16/2013 11:35
t-Butyl alcohol (TBA)	ND	0.050	1	10/16/2013 11:35
n-Butyl benzene	ND	0.0050	1	10/16/2013 11:35
sec-Butyl benzene	ND	0.0050	1	10/16/2013 11:35
tert-Butyl benzene	ND	0.0050	1	10/16/2013 11:35
Carbon Disulfide	ND	0.0050	1	10/16/2013 11:35
Carbon Tetrachloride	ND	0.0050	1	10/16/2013 11:35
Chlorobenzene	ND	0.0050	1	10/16/2013 11:35
Chloroethane	ND	0.0050	1	10/16/2013 11:35
Chloroform	ND	0.0050	1	10/16/2013 11:35
Chloromethane	ND	0.0050	1	10/16/2013 11:35
2-Chlorotoluene	ND	0.0050	1	10/16/2013 11:35
4-Chlorotoluene	ND	0.0050	1	10/16/2013 11:35
Dibromochloromethane	ND	0.0050	1	10/16/2013 11:35
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/16/2013 11:35
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/16/2013 11:35
Dibromomethane	ND	0.0050	1	10/16/2013 11:35
1,2-Dichlorobenzene	ND	0.0050	1	10/16/2013 11:35
1,3-Dichlorobenzene	ND	0.0050	1	10/16/2013 11:35
1,4-Dichlorobenzene	ND	0.0050	1	10/16/2013 11:35
Dichlorodifluoromethane	ND	0.0050	1	10/16/2013 11:35
1,1-Dichloroethane	ND	0.0050	1	10/16/2013 11:35
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/16/2013 11:35
1,1-Dichloroethene	ND	0.0050	1	10/16/2013 11:35
cis-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 11:35
trans-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 11:35
1,2-Dichloropropane	ND	0.0050	1	10/16/2013 11:35
1,3-Dichloropropane	ND	0.0050	1	10/16/2013 11:35
2,2-Dichloropropane	ND	0.0050	1	10/16/2013 11:35
1,1-Dichloropropene	ND	0.0050	1	10/16/2013 11:35

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-9.5	**1310381-005A**	**Soil**	**10/09/2013 09:05**	**GC10**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 11:35
trans-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 11:35
Diisopropyl ether (DIPE)	ND	0.0050	1	10/16/2013 11:35
Ethylbenzene	ND	0.0050	1	10/16/2013 11:35
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/16/2013 11:35
Freon 113	ND	0.10	1	10/16/2013 11:35
Hexachlorobutadiene	ND	0.0050	1	10/16/2013 11:35
Hexachloroethane	ND	0.0050	1	10/16/2013 11:35
2-Hexanone	ND	0.0050	1	10/16/2013 11:35
Isopropylbenzene	ND	0.0050	1	10/16/2013 11:35
4-Isopropyl toluene	ND	0.0050	1	10/16/2013 11:35
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/16/2013 11:35
Methylene chloride	ND	0.0050	1	10/16/2013 11:35
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/16/2013 11:35
Naphthalene	ND	0.0050	1	10/16/2013 11:35
n-Propyl benzene	ND	0.0050	1	10/16/2013 11:35
Styrene	ND	0.0050	1	10/16/2013 11:35
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 11:35
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 11:35
Tetrachloroethene	ND	0.0050	1	10/16/2013 11:35
Toluene	ND	0.0050	1	10/16/2013 11:35
1,2,3-Trichlorobenzene	ND	0.0050	1	10/16/2013 11:35
1,2,4-Trichlorobenzene	ND	0.0050	1	10/16/2013 11:35
1,1,1-Trichloroethane	ND	0.0050	1	10/16/2013 11:35
1,1,2-Trichloroethane	ND	0.0050	1	10/16/2013 11:35
Trichloroethene	ND	0.0050	1	10/16/2013 11:35
Trichlorofluoromethane	ND	0.0050	1	10/16/2013 11:35
1,2,3-Trichloropropane	ND	0.0050	1	10/16/2013 11:35
1,2,4-Trimethylbenzene	ND	0.0050	1	10/16/2013 11:35
1,3,5-Trimethylbenzene	ND	0.0050	1	10/16/2013 11:35
Vinyl Chloride	ND	0.0050	1	10/16/2013 11:35
Xylenes, Total	ND	0.0050	1	10/16/2013 11:35

Surrogates	REC (%)	Limits	
Dibromofluoromethane	104	70-130	10/16/2013 11:35
Toluene-d8	107	70-130	10/16/2013 11:35
4-BFB	101	70-130	10/16/2013 11:35

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BB Analyst's Initial


Angela Rydelius, Lab Manager

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-14.5	1310381-006A	Soil	10/09/2013 09:45	GC16	82907

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/16/2013 23:17
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/16/2013 23:17
Benzene	ND	0.0050	1	10/16/2013 23:17
Bromobenzene	ND	0.0050	1	10/16/2013 23:17
Bromochloromethane	ND	0.0050	1	10/16/2013 23:17
Bromodichloromethane	ND	0.0050	1	10/16/2013 23:17
Bromoform	ND	0.0050	1	10/16/2013 23:17
Bromomethane	ND	0.0050	1	10/16/2013 23:17
2-Butanone (MEK)	ND	0.020	1	10/16/2013 23:17
t-Butyl alcohol (TBA)	ND	0.050	1	10/16/2013 23:17
n-Butyl benzene	ND	0.0050	1	10/16/2013 23:17
sec-Butyl benzene	ND	0.0050	1	10/16/2013 23:17
tert-Butyl benzene	ND	0.0050	1	10/16/2013 23:17
Carbon Disulfide	ND	0.0050	1	10/16/2013 23:17
Carbon Tetrachloride	ND	0.0050	1	10/16/2013 23:17
Chlorobenzene	ND	0.0050	1	10/16/2013 23:17
Chloroethane	ND	0.0050	1	10/16/2013 23:17
Chloroform	ND	0.0050	1	10/16/2013 23:17
Chloromethane	ND	0.0050	1	10/16/2013 23:17
2-Chlorotoluene	ND	0.0050	1	10/16/2013 23:17
4-Chlorotoluene	ND	0.0050	1	10/16/2013 23:17
Dibromochloromethane	ND	0.0050	1	10/16/2013 23:17
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/16/2013 23:17
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/16/2013 23:17
Dibromomethane	ND	0.0050	1	10/16/2013 23:17
1,2-Dichlorobenzene	ND	0.0050	1	10/16/2013 23:17
1,3-Dichlorobenzene	ND	0.0050	1	10/16/2013 23:17
1,4-Dichlorobenzene	ND	0.0050	1	10/16/2013 23:17
Dichlorodifluoromethane	ND	0.0050	1	10/16/2013 23:17
1,1-Dichloroethane	ND	0.0050	1	10/16/2013 23:17
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/16/2013 23:17
1,1-Dichloroethene	ND	0.0050	1	10/16/2013 23:17
cis-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 23:17
trans-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 23:17
1,2-Dichloropropane	ND	0.0050	1	10/16/2013 23:17
1,3-Dichloropropane	ND	0.0050	1	10/16/2013 23:17
2,2-Dichloropropane	ND	0.0050	1	10/16/2013 23:17
1,1-Dichloropropene	ND	0.0050	1	10/16/2013 23:17

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-14.5	**1310381-006A**	**Soil**	**10/09/2013 09:45**	**GC16**	**82907**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 23:17
trans-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 23:17
Diisopropyl ether (DIPE)	ND	0.0050	1	10/16/2013 23:17
Ethylbenzene	ND	0.0050	1	10/16/2013 23:17
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/16/2013 23:17
Freon 113	ND	0.10	1	10/16/2013 23:17
Hexachlorobutadiene	ND	0.0050	1	10/16/2013 23:17
Hexachloroethane	ND	0.0050	1	10/16/2013 23:17
2-Hexanone	ND	0.0050	1	10/16/2013 23:17
Isopropylbenzene	ND	0.0050	1	10/16/2013 23:17
4-Isopropyl toluene	ND	0.0050	1	10/16/2013 23:17
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/16/2013 23:17
Methylene chloride	ND	0.0050	1	10/16/2013 23:17
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/16/2013 23:17
Naphthalene	ND	0.0050	1	10/16/2013 23:17
n-Propyl benzene	ND	0.0050	1	10/16/2013 23:17
Styrene	ND	0.0050	1	10/16/2013 23:17
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 23:17
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 23:17
Tetrachloroethene	ND	0.0050	1	10/16/2013 23:17
Toluene	ND	0.0050	1	10/16/2013 23:17
1,2,3-Trichlorobenzene	ND	0.0050	1	10/16/2013 23:17
1,2,4-Trichlorobenzene	ND	0.0050	1	10/16/2013 23:17
1,1,1-Trichloroethane	ND	0.0050	1	10/16/2013 23:17
1,1,2-Trichloroethane	ND	0.0050	1	10/16/2013 23:17
Trichloroethene	ND	0.0050	1	10/16/2013 23:17
Trichlorofluoromethane	ND	0.0050	1	10/16/2013 23:17
1,2,3-Trichloropropane	ND	0.0050	1	10/16/2013 23:17
1,2,4-Trimethylbenzene	ND	0.0050	1	10/16/2013 23:17
1,3,5-Trimethylbenzene	ND	0.0050	1	10/16/2013 23:17
Vinyl Chloride	ND	0.0050	1	10/16/2013 23:17
Xylenes, Total	ND	0.0050	1	10/16/2013 23:17

Surrogates	REC (%)	Limits	
Dibromofluoromethane	96	70-130	10/16/2013 23:17
Toluene-d8	114	70-130	10/16/2013 23:17
4-BFB	114	70-130	10/16/2013 23:17

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-5.0	1310381-007A	Soil	10/09/2013 14:25	GC10	82725

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/16/2013 12:59
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/16/2013 12:59
Benzene	ND	0.0050	1	10/16/2013 12:59
Bromobenzene	ND	0.0050	1	10/16/2013 12:59
Bromochloromethane	ND	0.0050	1	10/16/2013 12:59
Bromodichloromethane	ND	0.0050	1	10/16/2013 12:59
Bromoform	ND	0.0050	1	10/16/2013 12:59
Bromomethane	ND	0.0050	1	10/16/2013 12:59
2-Butanone (MEK)	ND	0.020	1	10/16/2013 12:59
t-Butyl alcohol (TBA)	ND	0.050	1	10/16/2013 12:59
n-Butyl benzene	ND	0.0050	1	10/16/2013 12:59
sec-Butyl benzene	ND	0.0050	1	10/16/2013 12:59
tert-Butyl benzene	ND	0.0050	1	10/16/2013 12:59
Carbon Disulfide	ND	0.0050	1	10/16/2013 12:59
Carbon Tetrachloride	ND	0.0050	1	10/16/2013 12:59
Chlorobenzene	ND	0.0050	1	10/16/2013 12:59
Chloroethane	ND	0.0050	1	10/16/2013 12:59
Chloroform	ND	0.0050	1	10/16/2013 12:59
Chloromethane	ND	0.0050	1	10/16/2013 12:59
2-Chlorotoluene	ND	0.0050	1	10/16/2013 12:59
4-Chlorotoluene	ND	0.0050	1	10/16/2013 12:59
Dibromochloromethane	ND	0.0050	1	10/16/2013 12:59
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/16/2013 12:59
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/16/2013 12:59
Dibromomethane	ND	0.0050	1	10/16/2013 12:59
1,2-Dichlorobenzene	ND	0.0050	1	10/16/2013 12:59
1,3-Dichlorobenzene	ND	0.0050	1	10/16/2013 12:59
1,4-Dichlorobenzene	ND	0.0050	1	10/16/2013 12:59
Dichlorodifluoromethane	ND	0.0050	1	10/16/2013 12:59
1,1-Dichloroethane	ND	0.0050	1	10/16/2013 12:59
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/16/2013 12:59
1,1-Dichloroethene	ND	0.0050	1	10/16/2013 12:59
cis-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 12:59
trans-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 12:59
1,2-Dichloropropane	ND	0.0050	1	10/16/2013 12:59
1,3-Dichloropropane	ND	0.0050	1	10/16/2013 12:59
2,2-Dichloropropane	ND	0.0050	1	10/16/2013 12:59
1,1-Dichloropropene	ND	0.0050	1	10/16/2013 12:59

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-5.0	**1310381-007A**	**Soil**	**10/09/2013 14:25**	**GC10**	**82725**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 12:59
trans-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 12:59
Diisopropyl ether (DIPE)	ND	0.0050	1	10/16/2013 12:59
Ethylbenzene	ND	0.0050	1	10/16/2013 12:59
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/16/2013 12:59
Freon 113	ND	0.10	1	10/16/2013 12:59
Hexachlorobutadiene	ND	0.0050	1	10/16/2013 12:59
Hexachloroethane	ND	0.0050	1	10/16/2013 12:59
2-Hexanone	ND	0.0050	1	10/16/2013 12:59
Isopropylbenzene	ND	0.0050	1	10/16/2013 12:59
4-Isopropyl toluene	ND	0.0050	1	10/16/2013 12:59
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/16/2013 12:59
Methylene chloride	ND	0.0050	1	10/16/2013 12:59
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/16/2013 12:59
Naphthalene	ND	0.0050	1	10/16/2013 12:59
n-Propyl benzene	ND	0.0050	1	10/16/2013 12:59
Styrene	ND	0.0050	1	10/16/2013 12:59
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 12:59
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 12:59
Tetrachloroethene	ND	0.0050	1	10/16/2013 12:59
Toluene	ND	0.0050	1	10/16/2013 12:59
1,2,3-Trichlorobenzene	ND	0.0050	1	10/16/2013 12:59
1,2,4-Trichlorobenzene	ND	0.0050	1	10/16/2013 12:59
1,1,1-Trichloroethane	ND	0.0050	1	10/16/2013 12:59
1,1,2-Trichloroethane	ND	0.0050	1	10/16/2013 12:59
Trichloroethene	ND	0.0050	1	10/16/2013 12:59
Trichlorofluoromethane	ND	0.0050	1	10/16/2013 12:59
1,2,3-Trichloropropane	ND	0.0050	1	10/16/2013 12:59
1,2,4-Trimethylbenzene	ND	0.0050	1	10/16/2013 12:59
1,3,5-Trimethylbenzene	ND	0.0050	1	10/16/2013 12:59
Vinyl Chloride	ND	0.0050	1	10/16/2013 12:59
Xylenes, Total	ND	0.0050	1	10/16/2013 12:59

Surrogates	REC (%)	Limits	
Dibromofluoromethane	106	70-130	10/16/2013 12:59
Toluene-d8	108	70-130	10/16/2013 12:59
4-BFB	99	70-130	10/16/2013 12:59

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-9.5	1310381-008A	Soil	10/09/2013 15:10	GC10	82755

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/16/2013 13:41
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/16/2013 13:41
Benzene	ND	0.0050	1	10/16/2013 13:41
Bromobenzene	ND	0.0050	1	10/16/2013 13:41
Bromochloromethane	ND	0.0050	1	10/16/2013 13:41
Bromodichloromethane	ND	0.0050	1	10/16/2013 13:41
Bromoform	ND	0.0050	1	10/16/2013 13:41
Bromomethane	ND	0.0050	1	10/16/2013 13:41
2-Butanone (MEK)	ND	0.020	1	10/16/2013 13:41
t-Butyl alcohol (TBA)	ND	0.050	1	10/16/2013 13:41
n-Butyl benzene	ND	0.0050	1	10/16/2013 13:41
sec-Butyl benzene	ND	0.0050	1	10/16/2013 13:41
tert-Butyl benzene	ND	0.0050	1	10/16/2013 13:41
Carbon Disulfide	ND	0.0050	1	10/16/2013 13:41
Carbon Tetrachloride	ND	0.0050	1	10/16/2013 13:41
Chlorobenzene	ND	0.0050	1	10/16/2013 13:41
Chloroethane	ND	0.0050	1	10/16/2013 13:41
Chloroform	ND	0.0050	1	10/16/2013 13:41
Chloromethane	ND	0.0050	1	10/16/2013 13:41
2-Chlorotoluene	ND	0.0050	1	10/16/2013 13:41
4-Chlorotoluene	ND	0.0050	1	10/16/2013 13:41
Dibromochloromethane	ND	0.0050	1	10/16/2013 13:41
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/16/2013 13:41
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/16/2013 13:41
Dibromomethane	ND	0.0050	1	10/16/2013 13:41
1,2-Dichlorobenzene	ND	0.0050	1	10/16/2013 13:41
1,3-Dichlorobenzene	ND	0.0050	1	10/16/2013 13:41
1,4-Dichlorobenzene	ND	0.0050	1	10/16/2013 13:41
Dichlorodifluoromethane	ND	0.0050	1	10/16/2013 13:41
1,1-Dichloroethane	ND	0.0050	1	10/16/2013 13:41
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/16/2013 13:41
1,1-Dichloroethene	ND	0.0050	1	10/16/2013 13:41
cis-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 13:41
trans-1,2-Dichloroethene	ND	0.0050	1	10/16/2013 13:41
1,2-Dichloropropane	ND	0.0050	1	10/16/2013 13:41
1,3-Dichloropropane	ND	0.0050	1	10/16/2013 13:41
2,2-Dichloropropane	ND	0.0050	1	10/16/2013 13:41
1,1-Dichloropropene	ND	0.0050	1	10/16/2013 13:41

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-9.5	**1310381-008A**	**Soil**	**10/09/2013 15:10**	**GC10**	**82755**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 13:41
trans-1,3-Dichloropropene	ND	0.0050	1	10/16/2013 13:41
Diisopropyl ether (DIPE)	ND	0.0050	1	10/16/2013 13:41
Ethylbenzene	ND	0.0050	1	10/16/2013 13:41
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/16/2013 13:41
Freon 113	ND	0.10	1	10/16/2013 13:41
Hexachlorobutadiene	ND	0.0050	1	10/16/2013 13:41
Hexachloroethane	ND	0.0050	1	10/16/2013 13:41
2-Hexanone	ND	0.0050	1	10/16/2013 13:41
Isopropylbenzene	ND	0.0050	1	10/16/2013 13:41
4-Isopropyl toluene	ND	0.0050	1	10/16/2013 13:41
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/16/2013 13:41
Methylene chloride	ND	0.0050	1	10/16/2013 13:41
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/16/2013 13:41
Naphthalene	ND	0.0050	1	10/16/2013 13:41
n-Propyl benzene	ND	0.0050	1	10/16/2013 13:41
Styrene	ND	0.0050	1	10/16/2013 13:41
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 13:41
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/16/2013 13:41
Tetrachloroethene	ND	0.0050	1	10/16/2013 13:41
Toluene	ND	0.0050	1	10/16/2013 13:41
1,2,3-Trichlorobenzene	ND	0.0050	1	10/16/2013 13:41
1,2,4-Trichlorobenzene	ND	0.0050	1	10/16/2013 13:41
1,1,1-Trichloroethane	ND	0.0050	1	10/16/2013 13:41
1,1,2-Trichloroethane	ND	0.0050	1	10/16/2013 13:41
Trichloroethene	ND	0.0050	1	10/16/2013 13:41
Trichlorofluoromethane	ND	0.0050	1	10/16/2013 13:41
1,2,3-Trichloropropane	ND	0.0050	1	10/16/2013 13:41
1,2,4-Trimethylbenzene	ND	0.0050	1	10/16/2013 13:41
1,3,5-Trimethylbenzene	ND	0.0050	1	10/16/2013 13:41
Vinyl Chloride	ND	0.0050	1	10/16/2013 13:41
Xylenes, Total	ND	0.0050	1	10/16/2013 13:41

Surrogates	REC (%)	Limits	
Dibromofluoromethane	108	70-130	10/16/2013 13:41
Toluene-d8	110	70-130	10/16/2013 13:41
4-BFB	95	70-130	10/16/2013 13:41

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-14.5	**1310381-009A**	**Soil**	**10/09/2013 16:00**	**GC10**	**82755**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	10/15/2013 13:31
tert-Amyl methyl ether (TAME)	ND	0.0050	1	10/15/2013 13:31
Benzene	ND	0.0050	1	10/15/2013 13:31
Bromobenzene	ND	0.0050	1	10/15/2013 13:31
Bromochloromethane	ND	0.0050	1	10/15/2013 13:31
Bromodichloromethane	ND	0.0050	1	10/15/2013 13:31
Bromoform	ND	0.0050	1	10/15/2013 13:31
Bromomethane	ND	0.0050	1	10/15/2013 13:31
2-Butanone (MEK)	ND	0.020	1	10/15/2013 13:31
t-Butyl alcohol (TBA)	ND	0.050	1	10/15/2013 13:31
n-Butyl benzene	**0.023**	0.0050	1	10/15/2013 13:31
sec-Butyl benzene	ND	0.0050	1	10/15/2013 13:31
tert-Butyl benzene	ND	0.0050	1	10/15/2013 13:31
Carbon Disulfide	ND	0.0050	1	10/15/2013 13:31
Carbon Tetrachloride	ND	0.0050	1	10/15/2013 13:31
Chlorobenzene	ND	0.0050	1	10/15/2013 13:31
Chloroethane	ND	0.0050	1	10/15/2013 13:31
Chloroform	ND	0.0050	1	10/15/2013 13:31
Chloromethane	ND	0.0050	1	10/15/2013 13:31
2-Chlorotoluene	ND	0.0050	1	10/15/2013 13:31
4-Chlorotoluene	ND	0.0050	1	10/15/2013 13:31
Dibromochloromethane	ND	0.0050	1	10/15/2013 13:31
1,2-Dibromo-3-chloropropane	ND	0.0040	1	10/15/2013 13:31
1,2-Dibromoethane (EDB)	ND	0.0040	1	10/15/2013 13:31
Dibromomethane	ND	0.0050	1	10/15/2013 13:31
1,2-Dichlorobenzene	ND	0.0050	1	10/15/2013 13:31
1,3-Dichlorobenzene	ND	0.0050	1	10/15/2013 13:31
1,4-Dichlorobenzene	ND	0.0050	1	10/15/2013 13:31
Dichlorodifluoromethane	ND	0.0050	1	10/15/2013 13:31
1,1-Dichloroethane	ND	0.0050	1	10/15/2013 13:31
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	10/15/2013 13:31
1,1-Dichloroethene	ND	0.0050	1	10/15/2013 13:31
cis-1,2-Dichloroethene	ND	0.0050	1	10/15/2013 13:31
trans-1,2-Dichloroethene	ND	0.0050	1	10/15/2013 13:31
1,2-Dichloropropane	ND	0.0050	1	10/15/2013 13:31
1,3-Dichloropropane	ND	0.0050	1	10/15/2013 13:31
2,2-Dichloropropane	ND	0.0050	1	10/15/2013 13:31
1,1-Dichloropropene	ND	0.0050	1	10/15/2013 13:31

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8260B
Date Prepared:	10/10/13-10/16/13	**Unit:**	mg/kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-14.5	**1310381-009A**	**Soil**	**10/09/2013 16:00**	**GC10**	**82755**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	10/15/2013 13:31
trans-1,3-Dichloropropene	ND	0.0050	1	10/15/2013 13:31
Diisopropyl ether (DIPE)	ND	0.0050	1	10/15/2013 13:31
Ethylbenzene	**0.024**	0.0050	1	10/15/2013 13:31
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	10/15/2013 13:31
Freon 113	ND	0.10	1	10/15/2013 13:31
Hexachlorobutadiene	ND	0.0050	1	10/15/2013 13:31
Hexachloroethane	ND	0.0050	1	10/15/2013 13:31
2-Hexanone	ND	0.0050	1	10/15/2013 13:31
Isopropylbenzene	ND	0.0050	1	10/15/2013 13:31
4-Isopropyl toluene	**0.0057**	0.0050	1	10/15/2013 13:31
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	10/15/2013 13:31
Methylene chloride	ND	0.0050	1	10/15/2013 13:31
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	10/15/2013 13:31
Naphthalene	**0.11**	0.0050	1	10/15/2013 13:31
n-Propyl benzene	**0.024**	0.0050	1	10/15/2013 13:31
Styrene	ND	0.0050	1	10/15/2013 13:31
1,1,1,2-Tetrachloroethane	ND	0.0050	1	10/15/2013 13:31
1,1,2,2-Tetrachloroethane	ND	0.0050	1	10/15/2013 13:31
Tetrachloroethene	ND	0.0050	1	10/15/2013 13:31
Toluene	ND	0.0050	1	10/15/2013 13:31
1,2,3-Trichlorobenzene	ND	0.0050	1	10/15/2013 13:31
1,2,4-Trichlorobenzene	ND	0.0050	1	10/15/2013 13:31
1,1,1-Trichloroethane	ND	0.0050	1	10/15/2013 13:31
1,1,2-Trichloroethane	ND	0.0050	1	10/15/2013 13:31
Trichloroethene	ND	0.0050	1	10/15/2013 13:31
Trichlorofluoromethane	ND	0.0050	1	10/15/2013 13:31
1,2,3-Trichloropropane	ND	0.0050	1	10/15/2013 13:31
1,2,4-Trimethylbenzene	**0.21**	0.0050	1	10/15/2013 13:31
1,3,5-Trimethylbenzene	**0.064**	0.0050	1	10/15/2013 13:31
Vinyl Chloride	ND	0.0050	1	10/15/2013 13:31
Xylenes, Total	**0.14**	0.0050	1	10/15/2013 13:31

Surrogates	REC (%)	Limits	
Dibromofluoromethane	110	70-130	10/15/2013 13:31
Toluene-d8	110	70-130	10/15/2013 13:31
4-BFB	98	70-130	10/15/2013 13:31

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-5.0	**1310381-001A**	**Soil**	**10/09/2013 10:55**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/12/2013 01:30
Acenaphthylene	ND	0.25	1	10/12/2013 01:30
Acetochlor	ND	0.25	1	10/12/2013 01:30
Anthracene	ND	0.25	1	10/12/2013 01:30
Benzidine	ND	1.3	1	10/12/2013 01:30
Benzo (a) anthracene	ND	0.25	1	10/12/2013 01:30
Benzo (b) fluoranthene	ND	0.25	1	10/12/2013 01:30
Benzo (k) fluoranthene	ND	0.25	1	10/12/2013 01:30
Benzo (g,h,i) perylene	ND	0.25	1	10/12/2013 01:30
Benzo (a) pyrene	ND	0.25	1	10/12/2013 01:30
Benzyl Alcohol	ND	1.3	1	10/12/2013 01:30
1,1-Biphenyl	ND	0.25	1	10/12/2013 01:30
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/12/2013 01:30
Bis (2-chloroethyl) Ether	ND	0.25	1	10/12/2013 01:30
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/12/2013 01:30
Bis (2-ethylhexyl) Adipate	ND	0.25	1	10/12/2013 01:30
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/12/2013 01:30
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/12/2013 01:30
Butylbenzyl Phthalate	ND	0.25	1	10/12/2013 01:30
4-Chloroaniline	ND	0.25	1	10/12/2013 01:30
4-Chloro-3-methylphenol	ND	0.25	1	10/12/2013 01:30
2-Chloronaphthalene	ND	0.25	1	10/12/2013 01:30
2-Chlorophenol	ND	0.25	1	10/12/2013 01:30
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/12/2013 01:30
Chrysene	ND	0.25	1	10/12/2013 01:30
Dibenzo (a,h) anthracene	ND	0.25	1	10/12/2013 01:30
Dibenzofuran	ND	0.25	1	10/12/2013 01:30
Di-n-butyl Phthalate	ND	0.25	1	10/12/2013 01:30
1,2-Dichlorobenzene	ND	0.25	1	10/12/2013 01:30
1,3-Dichlorobenzene	ND	0.25	1	10/12/2013 01:30
1,4-Dichlorobenzene	ND	0.25	1	10/12/2013 01:30
3,3-Dichlorobenzidine	ND	0.50	1	10/12/2013 01:30
2,4-Dichlorophenol	ND	0.25	1	10/12/2013 01:30
Diethyl Phthalate	ND	0.25	1	10/12/2013 01:30
2,4-Dimethylphenol	ND	0.25	1	10/12/2013 01:30
Dimethyl Phthalate	ND	0.25	1	10/12/2013 01:30
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/12/2013 01:30
2,4-Dinitrophenol	ND	6.3	1	10/12/2013 01:30

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-5.0	**1310381-001A**	**Soil**	**10/09/2013 10:55**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrotoluene	ND	0.25	1	10/12/2013 01:30
2,6-Dinitrotoluene	ND	0.25	1	10/12/2013 01:30
Di-n-octyl Phthalate	ND	0.50	1	10/12/2013 01:30
1,2-Diphenylhydrazine	ND	0.25	1	10/12/2013 01:30
Fluoranthene	ND	0.25	1	10/12/2013 01:30
Fluorene	ND	0.25	1	10/12/2013 01:30
Hexachlorobenzene	ND	0.25	1	10/12/2013 01:30
Hexachlorobutadiene	ND	0.25	1	10/12/2013 01:30
Hexachlorocyclopentadiene	ND	1.3	1	10/12/2013 01:30
Hexachloroethane	ND	0.25	1	10/12/2013 01:30
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/12/2013 01:30
Isophorone	ND	0.25	1	10/12/2013 01:30
2-Methylnaphthalene	ND	0.25	1	10/12/2013 01:30
2-Methylphenol (o-Cresol)	ND	0.25	1	10/12/2013 01:30
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/12/2013 01:30
Naphthalene	ND	0.25	1	10/12/2013 01:30
2-Nitroaniline	ND	1.3	1	10/12/2013 01:30
3-Nitroaniline	ND	1.3	1	10/12/2013 01:30
4-Nitroaniline	ND	1.3	1	10/12/2013 01:30
Nitrobenzene	ND	0.25	1	10/12/2013 01:30
2-Nitrophenol	ND	1.3	1	10/12/2013 01:30
4-Nitrophenol	ND	1.3	1	10/12/2013 01:30
N-Nitrosodiphenylamine	ND	0.25	1	10/12/2013 01:30
N-Nitrosodi-n-propylamine	ND	0.25	1	10/12/2013 01:30
Pentachlorophenol	ND	1.3	1	10/12/2013 01:30
Phenanthrene	ND	0.25	1	10/12/2013 01:30
Phenol	ND	0.25	1	10/12/2013 01:30
Pyrene	ND	0.25	1	10/12/2013 01:30
1,2,4-Trichlorobenzene	ND	0.25	1	10/12/2013 01:30
2,4,5-Trichlorophenol	ND	0.25	1	10/12/2013 01:30
2,4,6-Trichlorophenol	ND	0.25	1	10/12/2013 01:30

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-5.0	**1310381-001A**	**Soil**	**10/09/2013 10:55**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	105	30-130		10/12/2013 01:30
Phenol-d5	103	30-130		10/12/2013 01:30
Nitrobenzene-d5	94	30-130		10/12/2013 01:30
2-Fluorobiphenyl	89	30-130		10/12/2013 01:30
2,4,6-Tribromophenol	75	30-130		10/12/2013 01:30
4-Terphenyl-d14	92	30-130		10/12/2013 01:30

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-9.5	1310381-002A	Soil	10/09/2013 11:20	GC21	82807

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/11/2013 19:06
Acenaphthylene	ND	0.25	1	10/11/2013 19:06
Acetochlor	ND	0.25	1	10/11/2013 19:06
Anthracene	ND	0.25	1	10/11/2013 19:06
Benzidine	ND	1.3	1	10/11/2013 19:06
Benzo (a) anthracene	ND	0.25	1	10/11/2013 19:06
Benzo (b) fluoranthene	ND	0.25	1	10/11/2013 19:06
Benzo (k) fluoranthene	ND	0.25	1	10/11/2013 19:06
Benzo (g,h,i) perylene	ND	0.25	1	10/11/2013 19:06
Benzo (a) pyrene	ND	0.25	1	10/11/2013 19:06
Benzyl Alcohol	ND	1.3	1	10/11/2013 19:06
1,1-Biphenyl	ND	0.25	1	10/11/2013 19:06
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/11/2013 19:06
Bis (2-chloroethyl) Ether	ND	0.25	1	10/11/2013 19:06
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/11/2013 19:06
Bis (2-ethylhexyl) Adipate	ND	0.25	1	10/11/2013 19:06
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/11/2013 19:06
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/11/2013 19:06
Butylbenzyl Phthalate	ND	0.25	1	10/11/2013 19:06
4-Chloroaniline	ND	0.25	1	10/11/2013 19:06
4-Chloro-3-methylphenol	ND	0.25	1	10/11/2013 19:06
2-Chloronaphthalene	ND	0.25	1	10/11/2013 19:06
2-Chlorophenol	ND	0.25	1	10/11/2013 19:06
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/11/2013 19:06
Chrysene	ND	0.25	1	10/11/2013 19:06
Dibenzo (a,h) anthracene	ND	0.25	1	10/11/2013 19:06
Dibenzofuran	ND	0.25	1	10/11/2013 19:06
Di-n-butyl Phthalate	ND	0.25	1	10/11/2013 19:06
1,2-Dichlorobenzene	ND	0.25	1	10/11/2013 19:06
1,3-Dichlorobenzene	ND	0.25	1	10/11/2013 19:06
1,4-Dichlorobenzene	ND	0.25	1	10/11/2013 19:06
3,3-Dichlorobenzidine	ND	0.50	1	10/11/2013 19:06
2,4-Dichlorophenol	ND	0.25	1	10/11/2013 19:06
Diethyl Phthalate	ND	0.25	1	10/11/2013 19:06
2,4-Dimethylphenol	ND	0.25	1	10/11/2013 19:06
Dimethyl Phthalate	ND	0.25	1	10/11/2013 19:06
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/11/2013 19:06
2,4-Dinitrophenol	ND	6.3	1	10/11/2013 19:06

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-9.5	**1310381-002A**	**Soil**	**10/09/2013 11:20**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrotoluene	ND	0.25	1	10/11/2013 19:06
2,6-Dinitrotoluene	ND	0.25	1	10/11/2013 19:06
Di-n-octyl Phthalate	ND	0.50	1	10/11/2013 19:06
1,2-Diphenylhydrazine	ND	0.25	1	10/11/2013 19:06
Fluoranthene	ND	0.25	1	10/11/2013 19:06
Fluorene	ND	0.25	1	10/11/2013 19:06
Hexachlorobenzene	ND	0.25	1	10/11/2013 19:06
Hexachlorobutadiene	ND	0.25	1	10/11/2013 19:06
Hexachlorocyclopentadiene	ND	1.3	1	10/11/2013 19:06
Hexachloroethane	ND	0.25	1	10/11/2013 19:06
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/11/2013 19:06
Isophorone	ND	0.25	1	10/11/2013 19:06
2-Methylnaphthalene	ND	0.25	1	10/11/2013 19:06
2-Methylphenol (o-Cresol)	ND	0.25	1	10/11/2013 19:06
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/11/2013 19:06
Naphthalene	ND	0.25	1	10/11/2013 19:06
2-Nitroaniline	ND	1.3	1	10/11/2013 19:06
3-Nitroaniline	ND	1.3	1	10/11/2013 19:06
4-Nitroaniline	ND	1.3	1	10/11/2013 19:06
Nitrobenzene	ND	0.25	1	10/11/2013 19:06
2-Nitrophenol	ND	1.3	1	10/11/2013 19:06
4-Nitrophenol	ND	1.3	1	10/11/2013 19:06
N-Nitrosodiphenylamine	ND	0.25	1	10/11/2013 19:06
N-Nitrosodi-n-propylamine	ND	0.25	1	10/11/2013 19:06
Pentachlorophenol	ND	1.3	1	10/11/2013 19:06
Phenanthrene	ND	0.25	1	10/11/2013 19:06
Phenol	ND	0.25	1	10/11/2013 19:06
Pyrene	ND	0.25	1	10/11/2013 19:06
1,2,4-Trichlorobenzene	ND	0.25	1	10/11/2013 19:06
2,4,5-Trichlorophenol	ND	0.25	1	10/11/2013 19:06
2,4,6-Trichlorophenol	ND	0.25	1	10/11/2013 19:06

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-9.5	**1310381-002A**	**Soil**	**10/09/2013 11:20**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	67	30-130		10/11/2013 19:06
Phenol-d5	64	30-130		10/11/2013 19:06
Nitrobenzene-d5	63	30-130		10/11/2013 19:06
2-Fluorobiphenyl	59	30-130		10/11/2013 19:06
2,4,6-Tribromophenol	50	30-130		10/11/2013 19:06
4-Terphenyl-d14	61	30-130		10/11/2013 19:06

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CDPH ELAP 1644 ♦ NELAP 12283CA HK Analyst's Initial Angela Rydelius, Lab Manager

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-13.0	**1310381-003A**	**Soil**	**10/09/2013 12:20**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	1.2	5	10/14/2013 18:37
Acenaphthylene	ND	1.2	5	10/14/2013 18:37
Acetochlor	ND	1.2	5	10/14/2013 18:37
Anthracene	ND	1.2	5	10/14/2013 18:37
Benzidine	ND	6.5	5	10/14/2013 18:37
Benzo (a) anthracene	ND	1.2	5	10/14/2013 18:37
Benzo (b) fluoranthene	ND	1.2	5	10/14/2013 18:37
Benzo (k) fluoranthene	ND	1.2	5	10/14/2013 18:37
Benzo (g,h,i) perylene	ND	1.2	5	10/14/2013 18:37
Benzo (a) pyrene	ND	1.2	5	10/14/2013 18:37
Benzyl Alcohol	ND	6.5	5	10/14/2013 18:37
1,1-Biphenyl	ND	1.2	5	10/14/2013 18:37
Bis (2-chloroethoxy) Methane	ND	1.2	5	10/14/2013 18:37
Bis (2-chloroethyl) Ether	ND	1.2	5	10/14/2013 18:37
Bis (2-chloroisopropyl) Ether	ND	1.2	5	10/14/2013 18:37
Bis (2-ethylhexyl) Adipate	ND	1.2	5	10/14/2013 18:37
Bis (2-ethylhexyl) Phthalate	ND	1.2	5	10/14/2013 18:37
4-Bromophenyl Phenyl Ether	ND	1.2	5	10/14/2013 18:37
Butylbenzyl Phthalate	ND	1.2	5	10/14/2013 18:37
4-Chloroaniline	ND	1.2	5	10/14/2013 18:37
4-Chloro-3-methylphenol	ND	1.2	5	10/14/2013 18:37
2-Chloronaphthalene	ND	1.2	5	10/14/2013 18:37
2-Chlorophenol	ND	1.2	5	10/14/2013 18:37
4-Chlorophenyl Phenyl Ether	ND	1.2	5	10/14/2013 18:37
Chrysene	ND	1.2	5	10/14/2013 18:37
Dibenzo (a,h) anthracene	ND	1.2	5	10/14/2013 18:37
Dibenzofuran	ND	1.2	5	10/14/2013 18:37
Di-n-butyl Phthalate	ND	1.2	5	10/14/2013 18:37
1,2-Dichlorobenzene	ND	1.2	5	10/14/2013 18:37
1,3-Dichlorobenzene	ND	1.2	5	10/14/2013 18:37
1,4-Dichlorobenzene	ND	1.2	5	10/14/2013 18:37
3,3-Dichlorobenzidine	ND	2.5	5	10/14/2013 18:37
2,4-Dichlorophenol	ND	1.2	5	10/14/2013 18:37
Diethyl Phthalate	ND	1.2	5	10/14/2013 18:37
2,4-Dimethylphenol	ND	1.2	5	10/14/2013 18:37
Dimethyl Phthalate	ND	1.2	5	10/14/2013 18:37
4,6-Dinitro-2-methylphenol	ND	6.5	5	10/14/2013 18:37
2,4-Dinitrophenol	ND	32	5	10/14/2013 18:37

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-13.0	**1310381-003A**	**Soil**	**10/09/2013 12:20**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrotoluene	ND	1.2	5	10/14/2013 18:37
2,6-Dinitrotoluene	ND	1.2	5	10/14/2013 18:37
Di-n-octyl Phthalate	ND	2.5	5	10/14/2013 18:37
1,2-Diphenylhydrazine	ND	1.2	5	10/14/2013 18:37
Fluoranthene	ND	1.2	5	10/14/2013 18:37
Fluorene	ND	1.2	5	10/14/2013 18:37
Hexachlorobenzene	ND	1.2	5	10/14/2013 18:37
Hexachlorobutadiene	ND	1.2	5	10/14/2013 18:37
Hexachlorocyclopentadiene	ND	6.5	5	10/14/2013 18:37
Hexachloroethane	ND	1.2	5	10/14/2013 18:37
Indeno (1,2,3-cd) pyrene	ND	1.2	5	10/14/2013 18:37
Isophorone	ND	1.2	5	10/14/2013 18:37
2-Methylnaphthalene	**8.9**	1.2	5	10/14/2013 18:37
2-Methylphenol (o-Cresol)	ND	1.2	5	10/14/2013 18:37
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.2	5	10/14/2013 18:37
Naphthalene	**21**	1.2	5	10/14/2013 18:37
2-Nitroaniline	ND	6.5	5	10/14/2013 18:37
3-Nitroaniline	ND	6.5	5	10/14/2013 18:37
4-Nitroaniline	ND	6.5	5	10/14/2013 18:37
Nitrobenzene	ND	1.2	5	10/14/2013 18:37
2-Nitrophenol	ND	6.5	5	10/14/2013 18:37
4-Nitrophenol	ND	6.5	5	10/14/2013 18:37
N-Nitrosodiphenylamine	ND	1.2	5	10/14/2013 18:37
N-Nitrosodi-n-propylamine	ND	1.2	5	10/14/2013 18:37
Pentachlorophenol	ND	6.5	5	10/14/2013 18:37
Phenanthrene	ND	1.2	5	10/14/2013 18:37
Phenol	ND	1.2	5	10/14/2013 18:37
Pyrene	ND	1.2	5	10/14/2013 18:37
1,2,4-Trichlorobenzene	ND	1.2	5	10/14/2013 18:37
2,4,5-Trichlorophenol	ND	1.2	5	10/14/2013 18:37
2,4,6-Trichlorophenol	ND	1.2	5	10/14/2013 18:37

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-13.0	**1310381-003A**	**Soil**	**10/09/2013 12:20**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	80	30-130		10/14/2013 18:37
Phenol-d5	73	30-130		10/14/2013 18:37
Nitrobenzene-d5	66	30-130		10/14/2013 18:37
2-Fluorobiphenyl	64	30-130		10/14/2013 18:37
2,4,6-Tribromophenol	59	30-130		10/14/2013 18:37
4-Terphenyl-d14	68	30-130		10/14/2013 18:37

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-5.0	**1310381-004A**	**Soil**	**10/09/2013 08:40**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	1.2	5	10/14/2013 18:09
Acenaphthylene	ND	1.2	5	10/14/2013 18:09
Acetochlor	ND	1.2	5	10/14/2013 18:09
Anthracene	ND	1.2	5	10/14/2013 18:09
Benzidine	ND	6.5	5	10/14/2013 18:09
Benzo (a) anthracene	ND	1.2	5	10/14/2013 18:09
Benzo (b) fluoranthene	ND	1.2	5	10/14/2013 18:09
Benzo (k) fluoranthene	ND	1.2	5	10/14/2013 18:09
Benzo (g,h,i) perylene	ND	1.2	5	10/14/2013 18:09
Benzo (a) pyrene	ND	1.2	5	10/14/2013 18:09
Benzyl Alcohol	ND	6.5	5	10/14/2013 18:09
1,1-Biphenyl	ND	1.2	5	10/14/2013 18:09
Bis (2-chloroethoxy) Methane	ND	1.2	5	10/14/2013 18:09
Bis (2-chloroethyl) Ether	ND	1.2	5	10/14/2013 18:09
Bis (2-chloroisopropyl) Ether	ND	1.2	5	10/14/2013 18:09
Bis (2-ethylhexyl) Adipate	ND	1.2	5	10/14/2013 18:09
Bis (2-ethylhexyl) Phthalate	ND	1.2	5	10/14/2013 18:09
4-Bromophenyl Phenyl Ether	ND	1.2	5	10/14/2013 18:09
Butylbenzyl Phthalate	**10**	1.2	5	10/14/2013 18:09
4-Chloroaniline	ND	1.2	5	10/14/2013 18:09
4-Chloro-3-methylphenol	ND	1.2	5	10/14/2013 18:09
2-Chloronaphthalene	ND	1.2	5	10/14/2013 18:09
2-Chlorophenol	ND	1.2	5	10/14/2013 18:09
4-Chlorophenyl Phenyl Ether	ND	1.2	5	10/14/2013 18:09
Chrysene	ND	1.2	5	10/14/2013 18:09
Dibenzo (a,h) anthracene	ND	1.2	5	10/14/2013 18:09
Dibenzofuran	ND	1.2	5	10/14/2013 18:09
Di-n-butyl Phthalate	ND	1.2	5	10/14/2013 18:09
1,2-Dichlorobenzene	ND	1.2	5	10/14/2013 18:09
1,3-Dichlorobenzene	ND	1.2	5	10/14/2013 18:09
1,4-Dichlorobenzene	ND	1.2	5	10/14/2013 18:09
3,3-Dichlorobenzidine	ND	2.5	5	10/14/2013 18:09
2,4-Dichlorophenol	ND	1.2	5	10/14/2013 18:09
Diethyl Phthalate	ND	1.2	5	10/14/2013 18:09
2,4-Dimethylphenol	ND	1.2	5	10/14/2013 18:09
Dimethyl Phthalate	ND	1.2	5	10/14/2013 18:09
4,6-Dinitro-2-methylphenol	ND	6.5	5	10/14/2013 18:09
2,4-Dinitrophenol	ND	32	5	10/14/2013 18:09

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-5.0	**1310381-004A**	**Soil**	**10/09/2013 08:40**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrotoluene	ND	1.2	5	10/14/2013 18:09
2,6-Dinitrotoluene	ND	1.2	5	10/14/2013 18:09
Di-n-octyl Phthalate	ND	2.5	5	10/14/2013 18:09
1,2-Diphenylhydrazine	ND	1.2	5	10/14/2013 18:09
Fluoranthene	ND	1.2	5	10/14/2013 18:09
Fluorene	ND	1.2	5	10/14/2013 18:09
Hexachlorobenzene	ND	1.2	5	10/14/2013 18:09
Hexachlorobutadiene	ND	1.2	5	10/14/2013 18:09
Hexachlorocyclopentadiene	ND	6.5	5	10/14/2013 18:09
Hexachloroethane	ND	1.2	5	10/14/2013 18:09
Indeno (1,2,3-cd) pyrene	ND	1.2	5	10/14/2013 18:09
Isophorone	ND	1.2	5	10/14/2013 18:09
2-Methylnaphthalene	ND	1.2	5	10/14/2013 18:09
2-Methylphenol (o-Cresol)	ND	1.2	5	10/14/2013 18:09
3 &/or 4-Methylphenol (m,p-Cresol)	ND	1.2	5	10/14/2013 18:09
Naphthalene	ND	1.2	5	10/14/2013 18:09
2-Nitroaniline	ND	6.5	5	10/14/2013 18:09
3-Nitroaniline	ND	6.5	5	10/14/2013 18:09
4-Nitroaniline	ND	6.5	5	10/14/2013 18:09
Nitrobenzene	ND	1.2	5	10/14/2013 18:09
2-Nitrophenol	ND	6.5	5	10/14/2013 18:09
4-Nitrophenol	ND	6.5	5	10/14/2013 18:09
N-Nitrosodiphenylamine	ND	1.2	5	10/14/2013 18:09
N-Nitrosodi-n-propylamine	ND	1.2	5	10/14/2013 18:09
Pentachlorophenol	ND	6.5	5	10/14/2013 18:09
Phenanthrene	ND	1.2	5	10/14/2013 18:09
Phenol	ND	1.2	5	10/14/2013 18:09
Pyrene	ND	1.2	5	10/14/2013 18:09
1,2,4-Trichlorobenzene	ND	1.2	5	10/14/2013 18:09
2,4,5-Trichlorophenol	ND	1.2	5	10/14/2013 18:09
2,4,6-Trichlorophenol	ND	1.2	5	10/14/2013 18:09

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-5.0	**1310381-004A**	**Soil**	**10/09/2013 08:40**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	75	30-130		10/14/2013 18:09
Phenol-d5	72	30-130		10/14/2013 18:09
Nitrobenzene-d5	66	30-130		10/14/2013 18:09
2-Fluorobiphenyl	62	30-130		10/14/2013 18:09
2,4,6-Tribromophenol	45	30-130		10/14/2013 18:09
4-Terphenyl-d14	65	30-130		10/14/2013 18:09

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-9.5	**1310381-005A**	**Soil**	**10/09/2013 09:05**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/12/2013 14:39
Acenaphthylene	ND	0.25	1	10/12/2013 14:39
Acetochlor	ND	0.25	1	10/12/2013 14:39
Anthracene	ND	0.25	1	10/12/2013 14:39
Benzidine	ND	1.3	1	10/12/2013 14:39
Benzo (a) anthracene	ND	0.25	1	10/12/2013 14:39
Benzo (b) fluoranthene	ND	0.25	1	10/12/2013 14:39
Benzo (k) fluoranthene	ND	0.25	1	10/12/2013 14:39
Benzo (g,h,i) perylene	ND	0.25	1	10/12/2013 14:39
Benzo (a) pyrene	ND	0.25	1	10/12/2013 14:39
Benzyl Alcohol	ND	1.3	1	10/12/2013 14:39
1,1-Biphenyl	ND	0.25	1	10/12/2013 14:39
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/12/2013 14:39
Bis (2-chloroethyl) Ether	ND	0.25	1	10/12/2013 14:39
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/12/2013 14:39
Bis (2-ethylhexyl) Adipate	ND	0.25	1	10/12/2013 14:39
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/12/2013 14:39
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/12/2013 14:39
Butylbenzyl Phthalate	ND	0.25	1	10/12/2013 14:39
4-Chloroaniline	ND	0.25	1	10/12/2013 14:39
4-Chloro-3-methylphenol	ND	0.25	1	10/12/2013 14:39
2-Chloronaphthalene	ND	0.25	1	10/12/2013 14:39
2-Chlorophenol	ND	0.25	1	10/12/2013 14:39
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/12/2013 14:39
Chrysene	ND	0.25	1	10/12/2013 14:39
Dibenzo (a,h) anthracene	ND	0.25	1	10/12/2013 14:39
Dibenzofuran	ND	0.25	1	10/12/2013 14:39
Di-n-butyl Phthalate	ND	0.25	1	10/12/2013 14:39
1,2-Dichlorobenzene	ND	0.25	1	10/12/2013 14:39
1,3-Dichlorobenzene	ND	0.25	1	10/12/2013 14:39
1,4-Dichlorobenzene	ND	0.25	1	10/12/2013 14:39
3,3-Dichlorobenzidine	ND	0.50	1	10/12/2013 14:39
2,4-Dichlorophenol	ND	0.25	1	10/12/2013 14:39
Diethyl Phthalate	ND	0.25	1	10/12/2013 14:39
2,4-Dimethylphenol	ND	0.25	1	10/12/2013 14:39
Dimethyl Phthalate	ND	0.25	1	10/12/2013 14:39
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/12/2013 14:39
2,4-Dinitrophenol	ND	6.3	1	10/12/2013 14:39

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-9.5	**1310381-005A**	**Soil**	**10/09/2013 09:05**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrotoluene	ND	0.25	1	10/12/2013 14:39
2,6-Dinitrotoluene	ND	0.25	1	10/12/2013 14:39
Di-n-octyl Phthalate	ND	0.50	1	10/12/2013 14:39
1,2-Diphenylhydrazine	ND	0.25	1	10/12/2013 14:39
Fluoranthene	ND	0.25	1	10/12/2013 14:39
Fluorene	ND	0.25	1	10/12/2013 14:39
Hexachlorobenzene	ND	0.25	1	10/12/2013 14:39
Hexachlorobutadiene	ND	0.25	1	10/12/2013 14:39
Hexachlorocyclopentadiene	ND	1.3	1	10/12/2013 14:39
Hexachloroethane	ND	0.25	1	10/12/2013 14:39
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/12/2013 14:39
Isophorone	ND	0.25	1	10/12/2013 14:39
2-Methylnaphthalene	ND	0.25	1	10/12/2013 14:39
2-Methylphenol (o-Cresol)	ND	0.25	1	10/12/2013 14:39
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/12/2013 14:39
Naphthalene	ND	0.25	1	10/12/2013 14:39
2-Nitroaniline	ND	1.3	1	10/12/2013 14:39
3-Nitroaniline	ND	1.3	1	10/12/2013 14:39
4-Nitroaniline	ND	1.3	1	10/12/2013 14:39
Nitrobenzene	ND	0.25	1	10/12/2013 14:39
2-Nitrophenol	ND	1.3	1	10/12/2013 14:39
4-Nitrophenol	ND	1.3	1	10/12/2013 14:39
N-Nitrosodiphenylamine	ND	0.25	1	10/12/2013 14:39
N-Nitrosodi-n-propylamine	ND	0.25	1	10/12/2013 14:39
Pentachlorophenol	ND	1.3	1	10/12/2013 14:39
Phenanthrene	ND	0.25	1	10/12/2013 14:39
Phenol	ND	0.25	1	10/12/2013 14:39
Pyrene	ND	0.25	1	10/12/2013 14:39
1,2,4-Trichlorobenzene	ND	0.25	1	10/12/2013 14:39
2,4,5-Trichlorophenol	ND	0.25	1	10/12/2013 14:39
2,4,6-Trichlorophenol	ND	0.25	1	10/12/2013 14:39

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-9.5	**1310381-005A**	**Soil**	**10/09/2013 09:05**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	94	30-130		10/12/2013 14:39
Phenol-d5	92	30-130		10/12/2013 14:39
Nitrobenzene-d5	77	30-130		10/12/2013 14:39
2-Fluorobiphenyl	74	30-130		10/12/2013 14:39
2,4,6-Tribromophenol	52	30-130		10/12/2013 14:39
4-Terphenyl-d14	91	30-130		10/12/2013 14:39

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-14.5	**1310381-006A**	**Soil**	**10/09/2013 09:45**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/12/2013 14:12
Acenaphthylene	ND	0.25	1	10/12/2013 14:12
Acetochlor	ND	0.25	1	10/12/2013 14:12
Anthracene	ND	0.25	1	10/12/2013 14:12
Benzidine	ND	1.3	1	10/12/2013 14:12
Benzo (a) anthracene	ND	0.25	1	10/12/2013 14:12
Benzo (b) fluoranthene	ND	0.25	1	10/12/2013 14:12
Benzo (k) fluoranthene	ND	0.25	1	10/12/2013 14:12
Benzo (g,h,i) perylene	ND	0.25	1	10/12/2013 14:12
Benzo (a) pyrene	ND	0.25	1	10/12/2013 14:12
Benzyl Alcohol	ND	1.3	1	10/12/2013 14:12
1,1-Biphenyl	ND	0.25	1	10/12/2013 14:12
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/12/2013 14:12
Bis (2-chloroethyl) Ether	ND	0.25	1	10/12/2013 14:12
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/12/2013 14:12
Bis (2-ethylhexyl) Adipate	ND	0.25	1	10/12/2013 14:12
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/12/2013 14:12
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/12/2013 14:12
Butylbenzyl Phthalate	ND	0.25	1	10/12/2013 14:12
4-Chloroaniline	ND	0.25	1	10/12/2013 14:12
4-Chloro-3-methylphenol	ND	0.25	1	10/12/2013 14:12
2-Chloronaphthalene	ND	0.25	1	10/12/2013 14:12
2-Chlorophenol	ND	0.25	1	10/12/2013 14:12
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/12/2013 14:12
Chrysene	ND	0.25	1	10/12/2013 14:12
Dibenzo (a,h) anthracene	ND	0.25	1	10/12/2013 14:12
Dibenzofuran	ND	0.25	1	10/12/2013 14:12
Di-n-butyl Phthalate	ND	0.25	1	10/12/2013 14:12
1,2-Dichlorobenzene	ND	0.25	1	10/12/2013 14:12
1,3-Dichlorobenzene	ND	0.25	1	10/12/2013 14:12
1,4-Dichlorobenzene	ND	0.25	1	10/12/2013 14:12
3,3-Dichlorobenzidine	ND	0.50	1	10/12/2013 14:12
2,4-Dichlorophenol	ND	0.25	1	10/12/2013 14:12
Diethyl Phthalate	ND	0.25	1	10/12/2013 14:12
2,4-Dimethylphenol	ND	0.25	1	10/12/2013 14:12
Dimethyl Phthalate	ND	0.25	1	10/12/2013 14:12
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/12/2013 14:12
2,4-Dinitrophenol	ND	6.3	1	10/12/2013 14:12

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-14.5	**1310381-006A**	**Soil**	**10/09/2013 09:45**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrotoluene	ND	0.25	1	10/12/2013 14:12
2,6-Dinitrotoluene	ND	0.25	1	10/12/2013 14:12
Di-n-octyl Phthalate	ND	0.50	1	10/12/2013 14:12
1,2-Diphenylhydrazine	ND	0.25	1	10/12/2013 14:12
Fluoranthene	ND	0.25	1	10/12/2013 14:12
Fluorene	ND	0.25	1	10/12/2013 14:12
Hexachlorobenzene	ND	0.25	1	10/12/2013 14:12
Hexachlorobutadiene	ND	0.25	1	10/12/2013 14:12
Hexachlorocyclopentadiene	ND	1.3	1	10/12/2013 14:12
Hexachloroethane	ND	0.25	1	10/12/2013 14:12
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/12/2013 14:12
Isophorone	ND	0.25	1	10/12/2013 14:12
2-Methylnaphthalene	ND	0.25	1	10/12/2013 14:12
2-Methylphenol (o-Cresol)	ND	0.25	1	10/12/2013 14:12
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/12/2013 14:12
Naphthalene	ND	0.25	1	10/12/2013 14:12
2-Nitroaniline	ND	1.3	1	10/12/2013 14:12
3-Nitroaniline	ND	1.3	1	10/12/2013 14:12
4-Nitroaniline	ND	1.3	1	10/12/2013 14:12
Nitrobenzene	ND	0.25	1	10/12/2013 14:12
2-Nitrophenol	ND	1.3	1	10/12/2013 14:12
4-Nitrophenol	ND	1.3	1	10/12/2013 14:12
N-Nitrosodiphenylamine	ND	0.25	1	10/12/2013 14:12
N-Nitrosodi-n-propylamine	ND	0.25	1	10/12/2013 14:12
Pentachlorophenol	ND	1.3	1	10/12/2013 14:12
Phenanthrene	ND	0.25	1	10/12/2013 14:12
Phenol	ND	0.25	1	10/12/2013 14:12
Pyrene	ND	0.25	1	10/12/2013 14:12
1,2,4-Trichlorobenzene	ND	0.25	1	10/12/2013 14:12
2,4,5-Trichlorophenol	ND	0.25	1	10/12/2013 14:12
2,4,6-Trichlorophenol	ND	0.25	1	10/12/2013 14:12

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-14.5	**1310381-006A**	**Soil**	**10/09/2013 09:45**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	107	30-130		10/12/2013 14:12
Phenol-d5	103	30-130		10/12/2013 14:12
Nitrobenzene-d5	90	30-130		10/12/2013 14:12
2-Fluorobiphenyl	82	30-130		10/12/2013 14:12
2,4,6-Tribromophenol	55	30-130		10/12/2013 14:12
4-Terphenyl-d14	93	30-130		10/12/2013 14:12

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-5.0	**1310381-007A**	**Soil**	**10/09/2013 14:25**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/14/2013 19:05
Acenaphthylene	ND	0.25	1	10/14/2013 19:05
Acetochlor	ND	0.25	1	10/14/2013 19:05
Anthracene	ND	0.25	1	10/14/2013 19:05
Benzidine	ND	1.3	1	10/14/2013 19:05
Benzo (a) anthracene	ND	0.25	1	10/14/2013 19:05
Benzo (b) fluoranthene	ND	0.25	1	10/14/2013 19:05
Benzo (k) fluoranthene	ND	0.25	1	10/14/2013 19:05
Benzo (g,h,i) perylene	ND	0.25	1	10/14/2013 19:05
Benzo (a) pyrene	ND	0.25	1	10/14/2013 19:05
Benzyl Alcohol	ND	1.3	1	10/14/2013 19:05
1,1-Biphenyl	ND	0.25	1	10/14/2013 19:05
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/14/2013 19:05
Bis (2-chloroethyl) Ether	ND	0.25	1	10/14/2013 19:05
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/14/2013 19:05
Bis (2-ethylhexyl) Adipate	ND	0.25	1	10/14/2013 19:05
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/14/2013 19:05
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/14/2013 19:05
Butylbenzyl Phthalate	ND	0.25	1	10/14/2013 19:05
4-Chloroaniline	ND	0.25	1	10/14/2013 19:05
4-Chloro-3-methylphenol	ND	0.25	1	10/14/2013 19:05
2-Chloronaphthalene	ND	0.25	1	10/14/2013 19:05
2-Chlorophenol	ND	0.25	1	10/14/2013 19:05
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/14/2013 19:05
Chrysene	ND	0.25	1	10/14/2013 19:05
Dibenzo (a,h) anthracene	ND	0.25	1	10/14/2013 19:05
Dibenzofuran	ND	0.25	1	10/14/2013 19:05
Di-n-butyl Phthalate	ND	0.25	1	10/14/2013 19:05
1,2-Dichlorobenzene	ND	0.25	1	10/14/2013 19:05
1,3-Dichlorobenzene	ND	0.25	1	10/14/2013 19:05
1,4-Dichlorobenzene	ND	0.25	1	10/14/2013 19:05
3,3-Dichlorobenzidine	ND	0.50	1	10/14/2013 19:05
2,4-Dichlorophenol	ND	0.25	1	10/14/2013 19:05
Diethyl Phthalate	ND	0.25	1	10/14/2013 19:05
2,4-Dimethylphenol	ND	0.25	1	10/14/2013 19:05
Dimethyl Phthalate	ND	0.25	1	10/14/2013 19:05
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/14/2013 19:05
2,4-Dinitrophenol	ND	6.3	1	10/14/2013 19:05

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-5.0	**1310381-007A**	**Soil**	**10/09/2013 14:25**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrotoluene	ND	0.25	1	10/14/2013 19:05
2,6-Dinitrotoluene	ND	0.25	1	10/14/2013 19:05
Di-n-octyl Phthalate	ND	0.50	1	10/14/2013 19:05
1,2-Diphenylhydrazine	ND	0.25	1	10/14/2013 19:05
Fluoranthene	ND	0.25	1	10/14/2013 19:05
Fluorene	ND	0.25	1	10/14/2013 19:05
Hexachlorobenzene	ND	0.25	1	10/14/2013 19:05
Hexachlorobutadiene	ND	0.25	1	10/14/2013 19:05
Hexachlorocyclopentadiene	ND	1.3	1	10/14/2013 19:05
Hexachloroethane	ND	0.25	1	10/14/2013 19:05
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/14/2013 19:05
Isophorone	ND	0.25	1	10/14/2013 19:05
2-Methylnaphthalene	ND	0.25	1	10/14/2013 19:05
2-Methylphenol (o-Cresol)	ND	0.25	1	10/14/2013 19:05
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/14/2013 19:05
Naphthalene	ND	0.25	1	10/14/2013 19:05
2-Nitroaniline	ND	1.3	1	10/14/2013 19:05
3-Nitroaniline	ND	1.3	1	10/14/2013 19:05
4-Nitroaniline	ND	1.3	1	10/14/2013 19:05
Nitrobenzene	ND	0.25	1	10/14/2013 19:05
2-Nitrophenol	ND	1.3	1	10/14/2013 19:05
4-Nitrophenol	ND	1.3	1	10/14/2013 19:05
N-Nitrosodiphenylamine	ND	0.25	1	10/14/2013 19:05
N-Nitrosodi-n-propylamine	ND	0.25	1	10/14/2013 19:05
Pentachlorophenol	ND	1.3	1	10/14/2013 19:05
Phenanthrene	ND	0.25	1	10/14/2013 19:05
Phenol	ND	0.25	1	10/14/2013 19:05
Pyrene	ND	0.25	1	10/14/2013 19:05
1,2,4-Trichlorobenzene	ND	0.25	1	10/14/2013 19:05
2,4,5-Trichlorophenol	ND	0.25	1	10/14/2013 19:05
2,4,6-Trichlorophenol	ND	0.25	1	10/14/2013 19:05

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-5.0	**1310381-007A**	**Soil**	**10/09/2013 14:25**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	126	30-130		10/14/2013 19:05
Phenol-d5	127	30-130		10/14/2013 19:05
Nitrobenzene-d5	106	30-130		10/14/2013 19:05
2-Fluorobiphenyl	99	30-130		10/14/2013 19:05
2,4,6-Tribromophenol	84	30-130		10/14/2013 19:05
4-Terphenyl-d14	118	30-130		10/14/2013 19:05

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-9.5	1310381-008A	Soil	10/09/2013 15:10	GC21	82807

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/12/2013 16:02
Acenaphthylene	ND	0.25	1	10/12/2013 16:02
Acetochlor	ND	0.25	1	10/12/2013 16:02
Anthracene	ND	0.25	1	10/12/2013 16:02
Benzidine	ND	1.3	1	10/12/2013 16:02
Benzo (a) anthracene	ND	0.25	1	10/12/2013 16:02
Benzo (b) fluoranthene	ND	0.25	1	10/12/2013 16:02
Benzo (k) fluoranthene	ND	0.25	1	10/12/2013 16:02
Benzo (g,h,i) perylene	ND	0.25	1	10/12/2013 16:02
Benzo (a) pyrene	ND	0.25	1	10/12/2013 16:02
Benzyl Alcohol	ND	1.3	1	10/12/2013 16:02
1,1-Biphenyl	ND	0.25	1	10/12/2013 16:02
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/12/2013 16:02
Bis (2-chloroethyl) Ether	ND	0.25	1	10/12/2013 16:02
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/12/2013 16:02
Bis (2-ethylhexyl) Adipate	ND	0.25	1	10/12/2013 16:02
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/12/2013 16:02
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/12/2013 16:02
Butylbenzyl Phthalate	ND	0.25	1	10/12/2013 16:02
4-Chloroaniline	ND	0.25	1	10/12/2013 16:02
4-Chloro-3-methylphenol	ND	0.25	1	10/12/2013 16:02
2-Chloronaphthalene	ND	0.25	1	10/12/2013 16:02
2-Chlorophenol	ND	0.25	1	10/12/2013 16:02
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/12/2013 16:02
Chrysene	ND	0.25	1	10/12/2013 16:02
Dibenzo (a,h) anthracene	ND	0.25	1	10/12/2013 16:02
Dibenzofuran	ND	0.25	1	10/12/2013 16:02
Di-n-butyl Phthalate	ND	0.25	1	10/12/2013 16:02
1,2-Dichlorobenzene	ND	0.25	1	10/12/2013 16:02
1,3-Dichlorobenzene	ND	0.25	1	10/12/2013 16:02
1,4-Dichlorobenzene	ND	0.25	1	10/12/2013 16:02
3,3-Dichlorobenzidine	ND	0.50	1	10/12/2013 16:02
2,4-Dichlorophenol	ND	0.25	1	10/12/2013 16:02
Diethyl Phthalate	ND	0.25	1	10/12/2013 16:02
2,4-Dimethylphenol	ND	0.25	1	10/12/2013 16:02
Dimethyl Phthalate	ND	0.25	1	10/12/2013 16:02
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/12/2013 16:02
2,4-Dinitrophenol	ND	6.3	1	10/12/2013 16:02

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-9.5	**1310381-008A**	**Soil**	**10/09/2013 15:10**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrotoluene	ND	0.25	1	10/12/2013 16:02
2,6-Dinitrotoluene	ND	0.25	1	10/12/2013 16:02
Di-n-octyl Phthalate	ND	0.50	1	10/12/2013 16:02
1,2-Diphenylhydrazine	ND	0.25	1	10/12/2013 16:02
Fluoranthene	ND	0.25	1	10/12/2013 16:02
Fluorene	ND	0.25	1	10/12/2013 16:02
Hexachlorobenzene	ND	0.25	1	10/12/2013 16:02
Hexachlorobutadiene	ND	0.25	1	10/12/2013 16:02
Hexachlorocyclopentadiene	ND	1.3	1	10/12/2013 16:02
Hexachloroethane	ND	0.25	1	10/12/2013 16:02
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/12/2013 16:02
Isophorone	ND	0.25	1	10/12/2013 16:02
2-Methylnaphthalene	ND	0.25	1	10/12/2013 16:02
2-Methylphenol (o-Cresol)	ND	0.25	1	10/12/2013 16:02
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/12/2013 16:02
Naphthalene	ND	0.25	1	10/12/2013 16:02
2-Nitroaniline	ND	1.3	1	10/12/2013 16:02
3-Nitroaniline	ND	1.3	1	10/12/2013 16:02
4-Nitroaniline	ND	1.3	1	10/12/2013 16:02
Nitrobenzene	ND	0.25	1	10/12/2013 16:02
2-Nitrophenol	ND	1.3	1	10/12/2013 16:02
4-Nitrophenol	ND	1.3	1	10/12/2013 16:02
N-Nitrosodiphenylamine	ND	0.25	1	10/12/2013 16:02
N-Nitrosodi-n-propylamine	ND	0.25	1	10/12/2013 16:02
Pentachlorophenol	ND	1.3	1	10/12/2013 16:02
Phenanthrene	ND	0.25	1	10/12/2013 16:02
Phenol	ND	0.25	1	10/12/2013 16:02
Pyrene	ND	0.25	1	10/12/2013 16:02
1,2,4-Trichlorobenzene	ND	0.25	1	10/12/2013 16:02
2,4,5-Trichlorophenol	ND	0.25	1	10/12/2013 16:02
2,4,6-Trichlorophenol	ND	0.25	1	10/12/2013 16:02

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-9.5	**1310381-008A**	**Soil**	**10/09/2013 15:10**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	113	30-130		10/12/2013 16:02
Phenol-d5	110	30-130		10/12/2013 16:02
Nitrobenzene-d5	94	30-130		10/12/2013 16:02
2-Fluorobiphenyl	91	30-130		10/12/2013 16:02
2,4,6-Tribromophenol	65	30-130		10/12/2013 16:02
4-Terphenyl-d14	110	30-130		10/12/2013 16:02

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-14.5	**1310381-009A**	**Soil**	**10/09/2013 16:00**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Acenaphthene	ND	0.25	1	10/12/2013 16:30
Acenaphthylene	ND	0.25	1	10/12/2013 16:30
Acetochlor	ND	0.25	1	10/12/2013 16:30
Anthracene	ND	0.25	1	10/12/2013 16:30
Benzidine	ND	1.3	1	10/12/2013 16:30
Benzo (a) anthracene	ND	0.25	1	10/12/2013 16:30
Benzo (b) fluoranthene	ND	0.25	1	10/12/2013 16:30
Benzo (k) fluoranthene	ND	0.25	1	10/12/2013 16:30
Benzo (g,h,i) perylene	ND	0.25	1	10/12/2013 16:30
Benzo (a) pyrene	ND	0.25	1	10/12/2013 16:30
Benzyl Alcohol	ND	1.3	1	10/12/2013 16:30
1,1-Biphenyl	ND	0.25	1	10/12/2013 16:30
Bis (2-chloroethoxy) Methane	ND	0.25	1	10/12/2013 16:30
Bis (2-chloroethyl) Ether	ND	0.25	1	10/12/2013 16:30
Bis (2-chloroisopropyl) Ether	ND	0.25	1	10/12/2013 16:30
Bis (2-ethylhexyl) Adipate	ND	0.25	1	10/12/2013 16:30
Bis (2-ethylhexyl) Phthalate	ND	0.25	1	10/12/2013 16:30
4-Bromophenyl Phenyl Ether	ND	0.25	1	10/12/2013 16:30
Butylbenzyl Phthalate	**0.32**	0.25	1	10/12/2013 16:30
4-Chloroaniline	ND	0.25	1	10/12/2013 16:30
4-Chloro-3-methylphenol	ND	0.25	1	10/12/2013 16:30
2-Chloronaphthalene	ND	0.25	1	10/12/2013 16:30
2-Chlorophenol	ND	0.25	1	10/12/2013 16:30
4-Chlorophenyl Phenyl Ether	ND	0.25	1	10/12/2013 16:30
Chrysene	ND	0.25	1	10/12/2013 16:30
Dibenzo (a,h) anthracene	ND	0.25	1	10/12/2013 16:30
Dibenzofuran	ND	0.25	1	10/12/2013 16:30
Di-n-butyl Phthalate	ND	0.25	1	10/12/2013 16:30
1,2-Dichlorobenzene	ND	0.25	1	10/12/2013 16:30
1,3-Dichlorobenzene	ND	0.25	1	10/12/2013 16:30
1,4-Dichlorobenzene	ND	0.25	1	10/12/2013 16:30
3,3-Dichlorobenzidine	ND	0.50	1	10/12/2013 16:30
2,4-Dichlorophenol	ND	0.25	1	10/12/2013 16:30
Diethyl Phthalate	ND	0.25	1	10/12/2013 16:30
2,4-Dimethylphenol	ND	0.25	1	10/12/2013 16:30
Dimethyl Phthalate	ND	0.25	1	10/12/2013 16:30
4,6-Dinitro-2-methylphenol	ND	1.3	1	10/12/2013 16:30
2,4-Dinitrophenol	ND	6.3	1	10/12/2013 16:30

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-14.5	**1310381-009A**	**Soil**	**10/09/2013 16:00**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
2,4-Dinitrotoluene	ND	0.25	1	10/12/2013 16:30
2,6-Dinitrotoluene	ND	0.25	1	10/12/2013 16:30
Di-n-octyl Phthalate	ND	0.50	1	10/12/2013 16:30
1,2-Diphenylhydrazine	ND	0.25	1	10/12/2013 16:30
Fluoranthene	ND	0.25	1	10/12/2013 16:30
Fluorene	ND	0.25	1	10/12/2013 16:30
Hexachlorobenzene	ND	0.25	1	10/12/2013 16:30
Hexachlorobutadiene	ND	0.25	1	10/12/2013 16:30
Hexachlorocyclopentadiene	ND	1.3	1	10/12/2013 16:30
Hexachloroethane	ND	0.25	1	10/12/2013 16:30
Indeno (1,2,3-cd) pyrene	ND	0.25	1	10/12/2013 16:30
Isophorone	ND	0.25	1	10/12/2013 16:30
2-Methylnaphthalene	ND	0.25	1	10/12/2013 16:30
2-Methylphenol (o-Cresol)	ND	0.25	1	10/12/2013 16:30
3 &/or 4-Methylphenol (m,p-Cresol)	ND	0.25	1	10/12/2013 16:30
Naphthalene	**0.46**	0.25	1	10/12/2013 16:30
2-Nitroaniline	ND	1.3	1	10/12/2013 16:30
3-Nitroaniline	ND	1.3	1	10/12/2013 16:30
4-Nitroaniline	ND	1.3	1	10/12/2013 16:30
Nitrobenzene	ND	0.25	1	10/12/2013 16:30
2-Nitrophenol	ND	1.3	1	10/12/2013 16:30
4-Nitrophenol	ND	1.3	1	10/12/2013 16:30
N-Nitrosodiphenylamine	ND	0.25	1	10/12/2013 16:30
N-Nitrosodi-n-propylamine	ND	0.25	1	10/12/2013 16:30
Pentachlorophenol	ND	1.3	1	10/12/2013 16:30
Phenanthrene	ND	0.25	1	10/12/2013 16:30
Phenol	ND	0.25	1	10/12/2013 16:30
Pyrene	ND	0.25	1	10/12/2013 16:30
1,2,4-Trichlorobenzene	ND	0.25	1	10/12/2013 16:30
2,4,5-Trichlorophenol	ND	0.25	1	10/12/2013 16:30
2,4,6-Trichlorophenol	ND	0.25	1	10/12/2013 16:30

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8270C
Date Prepared:	10/11/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-14.5	**1310381-009A**	**Soil**	**10/09/2013 16:00**	**GC21**	**82807**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
2-Fluorophenol	109	30-130		10/12/2013 16:30
Phenol-d5	107	30-130		10/12/2013 16:30
Nitrobenzene-d5	93	30-130		10/12/2013 16:30
2-Fluorobiphenyl	86	30-130		10/12/2013 16:30
2,4,6-Tribromophenol	64	30-130		10/12/2013 16:30
4-Terphenyl-d14	103	30-130		10/12/2013 16:30

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/10/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-5.0	**1310381-001A**	**Soil**	**10/09/2013 10:55**	**GC19**	**82752**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/12/2013 21:42
MTBE	---	0.050	1	10/12/2013 21:42
Benzene	---	0.0050	1	10/12/2013 21:42
Toluene	---	0.0050	1	10/12/2013 21:42
Ethylbenzene	---	0.0050	1	10/12/2013 21:42
Xylenes	---	0.0050	1	10/12/2013 21:42

Surrogates	REC (%)	Limits	
2-Fluorotoluene	105	70-130	10/12/2013 21:42

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-9.5	**1310381-002A**	**Soil**	**10/09/2013 11:20**	**GC19**	**82752**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/12/2013 22:11
MTBE	---	0.050	1	10/12/2013 22:11
Benzene	---	0.0050	1	10/12/2013 22:11
Toluene	---	0.0050	1	10/12/2013 22:11
Ethylbenzene	---	0.0050	1	10/12/2013 22:11
Xylenes	---	0.0050	1	10/12/2013 22:11

Surrogates	REC (%)	Limits	
2-Fluorotoluene	100	70-130	10/12/2013 22:11

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-13.0	**1310381-003A**	**Soil**	**10/09/2013 12:20**	**GC19**	**82752**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**500**	200	200	10/12/2013 07:04
MTBE	---	10	200	10/12/2013 07:04
Benzene	---	1.0	200	10/12/2013 07:04
Toluene	---	1.0	200	10/12/2013 07:04
Ethylbenzene	---	1.0	200	10/12/2013 07:04
Xylenes	---	1.0	200	10/12/2013 07:04

Surrogates	REC (%)	Limits	Analytical Comments: d2	
2-Fluorotoluene	101	70-130		10/12/2013 07:04

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/10/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-5.0	**1310381-004A**	**Soil**	**10/09/2013 08:40**	**GC19**	**82752**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/13/2013 01:09
MTBE	---	0.050	1	10/13/2013 01:09
Benzene	---	0.0050	1	10/13/2013 01:09
Toluene	---	0.0050	1	10/13/2013 01:09
Ethylbenzene	---	0.0050	1	10/13/2013 01:09
Xylenes	---	0.0050	1	10/13/2013 01:09

Surrogates	REC (%)	Limits	
2-Fluorotoluene	109	70-130	10/13/2013 01:09

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-9.5	**1310381-005A**	**Soil**	**10/09/2013 09:05**	**GC19**	**82752**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/13/2013 01:39
MTBE	---	0.050	1	10/13/2013 01:39
Benzene	---	0.0050	1	10/13/2013 01:39
Toluene	---	0.0050	1	10/13/2013 01:39
Ethylbenzene	---	0.0050	1	10/13/2013 01:39
Xylenes	---	0.0050	1	10/13/2013 01:39

Surrogates	REC (%)	Limits	
2-Fluorotoluene	100	70-130	10/13/2013 01:39

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-14.5	**1310381-006A**	**Soil**	**10/09/2013 09:45**	**GC19**	**82752**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/13/2013 02:08
MTBE	---	0.050	1	10/13/2013 02:08
Benzene	---	0.0050	1	10/13/2013 02:08
Toluene	---	0.0050	1	10/13/2013 02:08
Ethylbenzene	---	0.0050	1	10/13/2013 02:08
Xylenes	---	0.0050	1	10/13/2013 02:08

Surrogates	REC (%)	Limits	
2-Fluorotoluene	99	70-130	10/13/2013 02:08

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW5030B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/10/13	**Unit:**	mg/Kg

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-5.0	**1310381-007A**	**Soil**	**10/09/2013 14:25**	**GC19**	**82752**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/13/2013 02:38
MTBE	---	0.050	1	10/13/2013 02:38
Benzene	---	0.0050	1	10/13/2013 02:38
Toluene	---	0.0050	1	10/13/2013 02:38
Ethylbenzene	---	0.0050	1	10/13/2013 02:38
Xylenes	---	0.0050	1	10/13/2013 02:38

Surrogates	REC (%)	Limits	
2-Fluorotoluene	101	70-130	10/13/2013 02:38

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-9.5	**1310381-008A**	**Soil**	**10/09/2013 15:10**	**GC19**	**82752**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	1.0	1	10/13/2013 03:07
MTBE	---	0.050	1	10/13/2013 03:07
Benzene	---	0.0050	1	10/13/2013 03:07
Toluene	---	0.0050	1	10/13/2013 03:07
Ethylbenzene	---	0.0050	1	10/13/2013 03:07
Xylenes	---	0.0050	1	10/13/2013 03:07

Surrogates	REC (%)	Limits	
2-Fluorotoluene	94	70-130	10/13/2013 03:07

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-14.5	**1310381-009A**	**Soil**	**10/09/2013 16:00**	**GC19**	**82752**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**4.1**	1.0	1	10/14/2013 16:31
MTBE	---	0.050	1	10/14/2013 16:31
Benzene	---	0.0050	1	10/14/2013 16:31
Toluene	---	0.0050	1	10/14/2013 16:31
Ethylbenzene	---	0.0050	1	10/14/2013 16:31
Xylenes	---	0.0050	1	10/14/2013 16:31

Surrogates	REC (%)	Limits	Analytical Comments: d2	
2-Fluorotoluene	102	70-130		10/14/2013 16:31

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3050B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW6010B
Date Prepared:	10/10/13	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-5.0	**1310381-001A**	**Soil/TOTAL**	**10/09/2013 10:55**	**ICP-JY**	**82739**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/11/2013 13:48

Surrogates	REC (%)	Limits	
Tb 350.917	101	70-130	10/11/2013 13:48

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-9.5	**1310381-002A**	**Soil/TOTAL**	**10/09/2013 11:20**	**ICP-JY**	**82739**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/11/2013 13:50

Surrogates	REC (%)	Limits	
Tb 350.917	108	70-130	10/11/2013 13:50

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-13.0	**1310381-003A**	**Soil/TOTAL**	**10/09/2013 12:20**	**ICP-JY**	**82739**

Analytes	Result	RL	DF	Date Analyzed
Lead	**11**	5.0	1	10/11/2013 13:52

Surrogates	REC (%)	Limits	
Tb 350.917	104	70-130	10/11/2013 13:52

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-5.0	**1310381-004A**	**Soil/TOTAL**	**10/09/2013 08:40**	**ICP-JY**	**82739**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/11/2013 14:29

Surrogates	REC (%)	Limits	
Tb 350.917	108	70-130	10/11/2013 14:29

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-9.5	**1310381-005A**	**Soil/TOTAL**	**10/09/2013 09:05**	**ICP-JY**	**82739**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/11/2013 14:31

Surrogates	REC (%)	Limits	
Tb 350.917	99	70-130	10/11/2013 14:31

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3050B
Date Received:	10/10/13 16:19	**Analytical Method:**	SW6010B
Date Prepared:	10/10/13	**Unit:**	mg/Kg

Lead

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-14.5	**1310381-006A**	**Soil/TOTAL**	**10/09/2013 09:45**	**ICP-JY**	**82739**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/11/2013 21:00

Surrogates	REC (%)	Limits	
Tb 350.917	96	70-130	10/11/2013 21:00

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-5.0	**1310381-007A**	**Soil/TOTAL**	**10/09/2013 14:25**	**ICP-JY**	**82739**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/11/2013 14:54

Surrogates	REC (%)	Limits	
Tb 350.917	103	70-130	10/11/2013 14:54

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-9.5	**1310381-008A**	**Soil/TOTAL**	**10/09/2013 15:10**	**ICP-JY**	**82739**

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	5.0	1	10/11/2013 14:56

Surrogates	REC (%)	Limits	
Tb 350.917	104	70-130	10/11/2013 14:56

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-14.5	**1310381-009A**	**Soil/TOTAL**	**10/09/2013 16:00**	**ICP-JY**	**82739**

Analytes	Result	RL	DF	Date Analyzed
Lead	**6.2**	5.0	1	10/11/2013 14:58

Surrogates	REC (%)	Limits	
Tb 350.917	99	70-130	10/11/2013 14:58

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B/3630C
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8015B
Date Prepared:	10/10/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-5.0	**1310381-001A**	**Soil**	**10/09/2013 10:55**	**GC6B**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/17/2013 04:10
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/17/2013 04:10
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/17/2013 04:10

Surrogates	REC (%)	Limits	
C9	121	70-130	10/17/2013 04:10

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-9.5	**1310381-002A**	**Soil**	**10/09/2013 11:20**	**GC6B**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/17/2013 01:45
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/17/2013 01:45
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/17/2013 01:45

Surrogates	REC (%)	Limits	
C9	126	70-130	10/17/2013 01:45

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B7-13.0	**1310381-003A**	**Soil**	**10/09/2013 12:20**	**GC11B**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**1200**	2.0	2	10/18/2013 13:57
TPH-Motor Oil (C18-C36)	ND	10	2	10/18/2013 13:57
TPH-Bunker Oil (C10-C36)	**1200**	10	2	10/18/2013 13:57

Surrogates	REC (%)	Limits	Analytical Comments: e4	
C26	84	70-130		10/18/2013 13:57

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-5.0	**1310381-004A**	**Soil**	**10/09/2013 08:40**	**GC6B**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**3.3**	1.0	1	10/16/2013 23:16
TPH-Motor Oil (C18-C36)	**44**	5.0	1	10/16/2013 23:16
TPH-Bunker Oil (C10-C36)	**42**	5.0	1	10/16/2013 23:16

Surrogates	REC (%)	Limits	Analytical Comments: e7,e2	
C9	124	70-130		10/16/2013 23:16

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B/3630C
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8015B
Date Prepared:	10/10/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-9.5	**1310381-005A**	**Soil**	**10/09/2013 09:05**	**GC6B**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/16/2013 22:02
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/16/2013 22:02
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/16/2013 22:02
Surrogates	REC (%)	Limits		
C9	122	70-130		10/16/2013 22:02

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B11-14.5	**1310381-006A**	**Soil**	**10/09/2013 09:45**	**GC6B**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/17/2013 02:58
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/17/2013 02:58
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/17/2013 02:58
Surrogates	REC (%)	Limits		
C9	129	70-130		10/17/2013 02:58

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-5.0	**1310381-007A**	**Soil**	**10/09/2013 14:25**	**GC6B**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/17/2013 07:45
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/17/2013 07:45
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/17/2013 07:45
Surrogates	REC (%)	Limits		
C9	125	70-130		10/17/2013 07:45

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-9.5	**1310381-008A**	**Soil**	**10/09/2013 15:10**	**GC6B**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	1.0	1	10/17/2013 08:57
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/17/2013 08:57
TPH-Bunker Oil (C10-C36)	ND	5.0	1	10/17/2013 08:57
Surrogates	REC (%)	Limits		
C9	113	70-130		10/17/2013 08:57

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Project:	#0590; 1900 Webster St, Oakland, CA	**Extraction Method**	SW3550B/3630C
Date Received:	10/10/13 16:19	**Analytical Method:**	SW8015B
Date Prepared:	10/10/13	**Unit:**	mg/Kg

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B14-14.5	**1310381-009A**	**Soil**	**10/09/2013 16:00**	**GC6A**	**82743**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**4.3**	1.0	1	10/18/2013 12:45
TPH-Motor Oil (C18-C36)	ND	5.0	1	10/18/2013 12:45
TPH-Bunker Oil (C10-C36)	**6.1**	5.0	1	10/18/2013 12:45

Surrogates	REC (%)	Limits	Analytical Comments: e4
C9	103	70-130	10/18/2013 12:45

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/9/13	**BatchID:**	82725
Date Analyzed:	10/10/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82725 1310373-006AMS/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	0.04658	0.0050	0.050	-	93.2	70-130
Benzene	ND	0.04706	0.0050	0.050	-	94.1	70-130
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	0.2141	0.050	0.20	-	107	70-130
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	0.04691	0.0050	0.050	-	93.8	70-130
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	0.04638	0.0040	0.050	-	92.8	70-130
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	0.04801	0.0040	0.050	-	96	70-130
1,1-Dichloroethene	ND	0.04683	0.0050	0.050	-	93.7	70-130
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	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/9/13	**BatchID:**	82725
Date Analyzed:	10/10/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82725 1310373-006AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	0.04812	0.0050	0.050	-	96.2	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04622	0.0050	0.050	-	92.4	70-130
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	0.04839	0.0050	0.050	-	96.8	70-130
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	0.05146	0.0050	0.050	-	103	70-130
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	0.04589	0.0050	0.050	-	91.8	70-130
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	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	0.1138	0.1163		0.12	91	93	70-130
Toluene-d8	0.1236	0.1232		0.12	99	99	70-130
4-BFB	0.01206	0.01168		0.012	96	93	70-130

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/9/13	**BatchID:**	82725
Date Analyzed:	10/10/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82725 1310373-006AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.04455	0.04418	0.050	ND	89.1	88.4	56-94	0.845	30
Benzene	0.04494	0.04408	0.050	ND	89.9	88.2	60-106	1.91	30
t-Butyl alcohol (TBA)	0.2005	0.1977	0.20	ND	100	98.8	56-140	1.42	30
Chlorobenzene	0.04545	0.04436	0.050	ND	90.9	88.7	61-108	2.43	30
1,2-Dibromoethane (EDB)	0.0458	0.04484	0.050	ND	91.6	89.7	54-119	2.10	30
1,2-Dichloroethane (1,2-DCA)	0.04454	0.04407	0.050	ND	89.1	88.1	48-115	1.06	30
1,1-Dichloroethene	0.04453	0.04402	0.050	ND	89.1	88	46-111	1.15	30
Diisopropyl ether (DIPE)	0.0458	0.0455	0.050	ND	91.6	91	53-111	0.647	30
Ethyl tert-butyl ether (ETBE)	0.0442	0.04375	0.050	ND	88.4	87.5	61-104	1.04	30
Methyl-t-butyl ether (MTBE)	0.04594	0.04595	0.050	ND	91.9	91.9	58-107	0	30
Toluene	0.04896	0.04846	0.050	ND	97.9	96.9	64-114	1.01	30
Trichloroethene	0.04289	0.04224	0.050	ND	85.8	84.5	60-116	1.54	30
Surrogate Recovery									
Dibromofluoromethane	0.1156	0.1162	0.12		92	93	70-130	0.554	30
Toluene-d8	0.1238	0.123	0.12		99	98	70-130	0.614	30
4-BFB	0.01164	0.01154	0.012		93	92	70-130	0.820	30

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/10/13	**BatchID:**	82755
Date Analyzed:	10/10/13 - 10/12/13	**Extraction Method**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82755 1310381-009AMS/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	0.04608	0.0050	0.050	-	92.2	70-130
Benzene	ND	0.04751	0.0050	0.050	-	95	70-130
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	0.2107	0.050	0.20	-	105	70-130
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	0.04797	0.0050	0.050	-	95.9	70-130
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	0.04765	0.0040	0.050	-	95.3	70-130
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	0.04741	0.0040	0.050	-	94.8	70-130
1,1-Dichloroethene	ND	0.04795	0.0050	0.050	-	95.9	70-130
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	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/10/13	**BatchID:**	82755
Date Analyzed:	10/10/13 - 10/12/13	**Extraction Method**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82755 1310381-009AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	0.04818	0.0050	0.050	-	96.4	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04629	0.0050	0.050	-	92.6	70-130
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	0.04794	0.0050	0.050	-	95.9	70-130
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	0.05298	0.0050	0.050	-	106	70-130
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	0.05022	0.0050	0.050	-	100	70-130
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	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	0.1316	0.1154		0.12	105	92	70-130
Toluene-d8	0.1387	0.1244		0.12	111	100	70-130
4-BFB	0.01324	0.01208		0.012	106	97	70-130

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/10/13	**BatchID:**	82755
Date Analyzed:	10/10/13 - 10/12/13	**Extraction Method**	SW5030B
Instrument:	GC10, GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82755 1310381-009AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	NR	NR	0	ND	NR	NR	-	NR	
Benzene	NR	NR	0	ND	NR	NR	-	NR	
t-Butyl alcohol (TBA)	NR	NR	0	ND	NR	NR	-	NR	
Chlorobenzene	NR	NR	0	ND	NR	NR	-	NR	
1,2-Dibromoethane (EDB)	NR	NR	0	ND	NR	NR	-	NR	
1,2-Dichloroethane (1,2-DCA)	NR	NR	0	ND	NR	NR	-	NR	
1,1-Dichloroethene	NR	NR	0	ND	NR	NR	-	NR	
Diisopropyl ether (DIPE)	NR	NR	0	ND	NR	NR	-	NR	
Ethyl tert-butyl ether (ETBE)	NR	NR	0	ND	NR	NR	-	NR	
Methyl-t-butyl ether (MTBE)	NR	NR	0	ND	NR	NR	-	NR	
Toluene	NR	NR	0	ND	NR	NR	-	NR	
Trichloroethene	NR	NR	0	ND	NR	NR	-	NR	
Surrogate Recovery									
Dibromofluoromethane	NR	NR	0		NR	NR	-	NR	
Toluene-d8	NR	NR	0		NR	NR	-	NR	
4-BFB	NR	NR	0		NR	NR	-	NR	

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/15/13	**BatchID:**	82907
Date Analyzed:	10/16/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82907 1310280-002AMS/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	0.04989	0.0050	0.050	-	99.8	70-130
Benzene	ND	0.04681	0.0050	0.050	-	93.6	70-130
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	0.2266	0.050	0.20	-	113	70-130
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	0.04879	0.0050	0.050	-	97.6	70-130
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	0.0497	0.0040	0.050	-	99.4	70-130
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	0.05239	0.0040	0.050	-	105	70-130
1,1-Dichloroethene	ND	0.04243	0.0050	0.050	-	84.9	70-130
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	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/15/13	**BatchID:**	82907
Date Analyzed:	10/16/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82907 1310280-002AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	0.04793	0.0050	0.050	-	95.9	70-130
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.04791	0.0050	0.050	-	95.8	70-130
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	0.05159	0.0050	0.050	-	103	70-130
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	0.05133	0.0050	0.050	-	103	70-130
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	0.05064	0.0050	0.050	-	101	70-130
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	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	0.1205	0.1244		0.12	96	100	70-130
Toluene-d8	0.1443	0.1441		0.12	115	115	70-130
4-BFB	0.01464	0.01313		0.012	117	105	70-130

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/15/13	**BatchID:**	82907
Date Analyzed:	10/16/13	**Extraction Method**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82907 1310280-002AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.04233	0.04272	0.050	ND	84.7	85.4	56-94	0.910	30
Benzene	0.03693	0.03822	0.050	ND	73.9	76.4	60-106	3.43	30
t-Butyl alcohol (TBA)	0.1811	0.1801	0.20	ND	90.6	90.1	56-140	0.541	30
Chlorobenzene	0.04078	0.04018	0.050	ND	81.6	80.4	61-108	1.47	30
1,2-Dibromoethane (EDB)	0.04165	0.04133	0.050	ND	83.3	82.7	54-119	0.772	30
1,2-Dichloroethane (1,2-DCA)	0.04105	0.04229	0.050	ND	82.1	84.6	48-115	2.96	30
1,1-Dichloroethene	0.03109	0.03451	0.050	ND	62.2	69	46-111	10.4	30
Diisopropyl ether (DIPE)	0.03886	0.03949	0.050	ND	77.7	79	53-111	1.62	30
Ethyl tert-butyl ether (ETBE)	0.03922	0.0397	0.050	ND	78.4	79.4	61-104	1.22	30
Methyl-t-butyl ether (MTBE)	0.04172	0.04212	0.050	ND	83.4	84.2	58-107	0.963	30
Toluene	0.04158	0.04113	0.050	ND	83.2	82.3	64-114	1.10	30
Trichloroethene	0.03906	0.04125	0.050	ND	78.1	82.5	60-116	5.43	30
Surrogate Recovery									
Dibromofluoromethane	0.1218	0.1227	0.12		97	98	70-130	0.735	30
Toluene-d8	0.1417	0.1402	0.12		113	112	70-130	1.04	30
4-BFB	0.01292	0.01294	0.012		103	103	70-130	0	30

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/10/13	**BatchID:**	82739
Date Analyzed:	10/11/13	**Extraction Method**	SW3050B
Instrument:	ICP-JY	**Analytical Method:**	SW6010B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82739 1310367-007AMS/MSD

QC SUMMARY REPORT FOR 6010B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	42.52	5.0	50	-	85	75-125
Surrogate Recovery							
Tb 350.917	490.8	504.8		500	98	101	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	NR	NR	50	82.18	NR	NR	75-125	NR	25
Surrogate Recovery									
Tb 350.917	525.2	516	500		105	103	70-130	1.78	20

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/10/13	**BatchID:**	82752
Date Analyzed:	10/14/13	**Extraction Method**	SW5030B
Instrument:	GC7	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82752 1310301-029AMS/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	0.5844	0.40	0.60	-	97.4	70-130
MTBE	ND	0.08684	0.050	0.10	-	86.8	70-130
Benzene	ND	0.1027	0.0050	0.10	-	103	70-130
Toluene	ND	0.0981	0.0050	0.10	-	98.1	70-130
Ethylbenzene	ND	0.1089	0.0050	0.10	-	109	70-130
Xylenes	ND	0.3295	0.0050	0.30	-	110	70-130
Surrogate Recovery							
2-Fluorotoluene	0.113	0.1127		0.10	113	113	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	0.5928	0.6691	0.60	ND	98.8	112	70-130	12.1	20
MTBE	0.08923	0.08753	0.10	ND	89.2	87.5	70-130	1.92	20
Benzene	0.1023	0.1089	0.10	ND	102	109	70-130	6.24	20
Toluene	0.0988	0.1043	0.10	ND	98.8	104	70-130	5.42	20
Ethylbenzene	0.1106	0.1179	0.10	ND	111	118	70-130	6.44	20
Xylenes	0.3305	0.3595	0.30	ND	110	120	70-130	8.40	20
Surrogate Recovery									
2-Fluorotoluene	0.1136	0.1189	0.10		114	119	70-130	4.62	20

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/11/13	**BatchID:**	82807
Date Analyzed:	10/11/13	**Extraction Method**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82807 1310417-001AMS/MSD

QC SUMMARY REPORT FOR SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acenaphthene	ND	4.83	0.25	5	-	96.6	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 (b) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (k) fluoranthene	ND	-	0.25	-	-	-	-
Benzo (g,h,i) perylene	ND	-	0.25	-	-	-	-
Benzo (a) pyrene	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	-	0.25	-	-	-	-
4-Chloro-3-methylphenol	ND	5.162	0.25	5	-	103	30-130
2-Chloronaphthalene	ND	-	0.25	-	-	-	-
2-Chlorophenol	ND	5.104	0.25	5	-	102	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	4.586	0.25	5	-	91.7	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	-	-	-	-
2,4-Dinitrophenol	ND	-	6.3	-	-	-	-
2,4-Dinitrotoluene	ND	4.961	0.25	5	-	99.2	30-130
2,6-Dinitrotoluene	ND	-	0.25	-	-	-	-

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/11/13	**BatchID:**	82807
Date Analyzed:	10/11/13	**Extraction Method**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82807 1310417-001AMS/MSD

QC SUMMARY REPORT FOR SW8270C

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
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 &/or 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	3.712	1.3	5	-	74.2	30-130
N-Nitrosodiphenylamine	ND	-	0.25	-	-	-	-
N-Nitrosodi-n-propylamine	ND	4.239	0.25	5	-	84.8	30-130
Pentachlorophenol	ND	4.058	1.3	5	-	81.2	30-130
Phenanthrene	ND	-	0.25	-	-	-	-
Phenol	ND	4.741	0.25	5	-	94.8	30-130
Pyrene	ND	5.237	0.25	5	-	105	30-130
1,2,4-Trichlorobenzene	ND	5.196	0.25	5	-	104	30-130
2,4,5-Trichlorophenol	ND	-	0.25	-	-	-	-
2,4,6-Trichlorophenol	ND	-	0.25	-	-	-	-
Surrogate Recovery							
2-Fluorophenol	3.962	4.515		5	79	90	30-130
Phenol-d5	3.941	4.562		5	79	91	30-130
Nitrobenzene-d5	3.869	4.692		5	77	94	30-130
2-Fluorobiphenyl	3.642	4.265		5	73	85	30-130
2,4,6-Tribromophenol	3.033	3.93		5	61	79	30-130
4-Terphenyl-d14	3.831	4.428		5	77	89	30-130

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/11/13	**BatchID:**	82807
Date Analyzed:	10/11/13	**Extraction Method**	SW3550B
Instrument:	GC21	**Analytical Method:**	SW8270C
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82807 1310417-001AMS/MSD

QC SUMMARY REPORT FOR SW8270C

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Acenaphthene	4.308	4.491	5	ND	86.2	89.8	30-130	4.16	30
4-Chloro-3-methylphenol	4.844	5.181	5	ND	96.9	104	30-130	6.73	30
2-Chlorophenol	4.989	5.032	5	ND	99.8	101	30-130	0.850	30
1,4-Dichlorobenzene	4.08	4.207	5	ND	81.6	84.1	30-130	3.06	30
2,4-Dinitrotoluene	4.477	4.748	5	ND	89.5	95	30-130	5.88	30
4-Nitrophenol	3.506	3.568	5	ND	70.1	71.4	30-130	1.77	30
N-Nitrosodi-n-propylamine	3.934	4.002	5	ND	78.7	80	30-130	1.71	30
Pentachlorophenol	4.163	5.439	5	ND	83.3	109	30-130	26.6	30
Phenol	4.623	4.719	5	ND	92.5	94.4	30-130	2.06	30
Pyrene	4.556	4.958	5	ND	91.1	99.2	30-130	8.45	30
1,2,4-Trichlorobenzene	4.573	4.743	5	ND	91.5	94.9	30-130	3.65	30
Surrogate Recovery									
2-Fluorophenol	4.405	4.579	5		88	92	30-130	3.88	30
Phenol-d5	4.459	4.484	5		89	90	30-130	0.561	30
Nitrobenzene-d5	4.282	4.335	5		86	87	30-130	1.22	30
2-Fluorobiphenyl	3.845	4.01	5		77	80	30-130	4.19	30
2,4,6-Tribromophenol	3.589	3.701	5		72	74	30-130	3.08	30
4-Terphenyl-d14	3.859	4.472	5		77	89	30-130	14.7	30

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310381
Date Prepared:	10/10/13	**BatchID:**	82743
Date Analyzed:	10/11/13	**Extraction Method**	SW3550B/3630C
Instrument:	GC9b	**Analytical Method:**	SW8015B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	#0590; 1900 Webster St, Oakland, CA	**Sample ID:**	MB/LCS-82743 1310373-006AMS/MSD

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	43.68	1.0	40	-	109	70-130
Surrogate Recovery							
C9	22.74	22.5		25	91	90	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)	48.55	49.63	40	ND	121	124	70-130	2.19	30
Surrogate Recovery									
C9	24.44	27	25		98	108	70-130	9.95	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310381 **ClientCode: PDEO**

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

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

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0590; 1900 Webster St, Oakland, CA

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

Requested TAT: **5 days**

Date Received: **10/10/2013**
Date Printed: **10/10/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1310381-001	B7-5.0	Soil	10/9/2013 10:55	☐	A	A	A	A								
1310381-002	B7-9.5	Soil	10/9/2013 11:20	☐	A	A	A	A								
1310381-003	B7-13.0	Soil	10/9/2013 12:20	☐	A	A	A	A								
1310381-004	B11-5.0	Soil	10/9/2013 8:40	☐	A	A	A	A								
1310381-005	B11-9.5	Soil	10/9/2013 9:05	☐	A	A	A	A								
1310381-006	B11-14.5	Soil	10/9/2013 9:45	☐	A	A	A	A								
1310381-007	B14-5.0	Soil	10/9/2013 14:25	☐	A	A	A	A								
1310381-008	B14-9.5	Soil	10/9/2013 15:10	☐	A	A	A	A								
1310381-009	B14-14.5	Soil	10/9/2013 16:00	☐	A	A	A	A								

Test Legend:

1	8260B_S	2	8270D_S	3	G-MBTEX_S	4	PB_S	5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 006A, 007A, 008A, 009A contain testgroup.

Prepared by: Melissa Valles

Comments:

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

CHAIN OF CUSTODY RECORD

1310381

PAGE 1 OF 1

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

PROJECT NUMBER: 0590

PROJECT NAME: 1900 WEBSTER ST OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE) MICHAEL BASS-DESCHENES

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH(G,D,B&MO)W/ SILICA GEL CLEANUP	EPA 8260	EPA 8270	TOTAL LEAD	PRESERVATIVE	REMARKS
B7-5.0	10/9/13	1055	SOIL		1	X	X	X	X	ICE	NORMAL TAT
B7-9.5	"	1120	"		1	X	X	X	X	"	
B7-13.0	"	1220	"		1	X	X	X	X	"	
B11-5.0	10/9/13	0840	SOIL		1	X	X	X	X	"	NORMAL TAT
B11-9.5	"	0905	"		1	X	X	X	X	"	
B11-14.5	"	0945	"		1	X	X	X	X	"	
B14-5.0	10/9/13	1425	SOIL		1	X	X	X	X	"	NORMAL TAT
B14-9.5	"	1510	"		1	X	X	X	X	"	
B14-14.5	"	1600	"		1	X	X	X	X	"	

RELINQUISHED BY: (SIGNATURE) — DATE 10/10/13 TIME 1100 — RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) — DATE 10/10/13 TIME 1545 — RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) — DATE — TIME — RECEIVED FOR LABORATORY BY: (SIGNATURE)

Total No. of Samples (This Shipment): 9
Total No. of Containers (This Shipment): 9

LABORATORY: McCAMPBELL ANALYTICAL, INC.

LABORATORY CONTACT: ANGELA RYDELIUS

LABORATORY PHONE NUMBER: (877) 252-9262

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

ICE/t° 2.3
GOOD CONDITION ✓
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION

VOAS	O&G	METALS	OTHER

APPROPRIATE ✓
CONTAINERS
PRESERVED IN LAB

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

REMARKS:

McCampbell Analytical, Inc.
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Sample Receipt Checklist

Client Name: **P & D Environmental**
Date and Time Received: **10/10/2013 4:19:06 PM**

Project Name: **#0590; 1900 Webster St, Oakland, CA**
LogIn Reviewed by: Melissa Valles

WorkOrder N°: **1310381** Matrix: Soil
Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 2.3°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	No VOA vials submitted ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1310142

Report Created for: P & D Environmental
55 Santa Clara, Ste.240
Oakland, CA 94610

Project Contact: Paul King
Project P.O.:
Project Name: #0590; 1900 Webster St.

Project Received: 10/03/2013

Analytical Report reviewed & approved for release on 10/10/2013 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: P & D Environmental
Project: #0590; 1900 Webster St.
WorkOrder: 1310142

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix; or sample diluted due to high matrix or analyte content.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
S	spike recovery outside accepted recovery limits
b1	aqueous sample that contains greater than ~1 vol. % sediment
c4	surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.
d1	weakly modified or unmodified gasoline is significant
e4	gasoline range compounds are significant.

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	10/3/13 20:34	**Analytical Method:**	SW8260B
Date Prepared:	10/9/13-10/10/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-W	**1310142-001A**	**Water**	**10/02/2013 12:00**	**GC28**	**82700**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/09/2013 17:44
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/09/2013 17:44
Benzene	ND	0.50	1	10/09/2013 17:44
Bromobenzene	ND	0.50	1	10/09/2013 17:44
Bromochloromethane	ND	0.50	1	10/09/2013 17:44
Bromodichloromethane	**0.77**	0.50	1	10/09/2013 17:44
Bromoform	ND	0.50	1	10/09/2013 17:44
Bromomethane	ND	0.50	1	10/09/2013 17:44
2-Butanone (MEK)	ND	2.0	1	10/09/2013 17:44
t-Butyl alcohol (TBA)	ND	2.0	1	10/09/2013 17:44
n-Butyl benzene	**9.8**	0.50	1	10/09/2013 17:44
sec-Butyl benzene	**1.7**	0.50	1	10/09/2013 17:44
tert-Butyl benzene	ND	0.50	1	10/09/2013 17:44
Carbon Disulfide	ND	0.50	1	10/09/2013 17:44
Carbon Tetrachloride	ND	0.50	1	10/09/2013 17:44
Chlorobenzene	ND	0.50	1	10/09/2013 17:44
Chloroethane	ND	0.50	1	10/09/2013 17:44
Chloroform	**23**	0.50	1	10/09/2013 17:44
Chloromethane	ND	0.50	1	10/09/2013 17:44
2-Chlorotoluene	ND	0.50	1	10/09/2013 17:44
4-Chlorotoluene	ND	0.50	1	10/09/2013 17:44
Dibromochloromethane	ND	0.50	1	10/09/2013 17:44
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/09/2013 17:44
1,2-Dibromoethane (EDB)	ND	0.50	1	10/09/2013 17:44
Dibromomethane	ND	0.50	1	10/09/2013 17:44
1,2-Dichlorobenzene	ND	0.50	1	10/09/2013 17:44
1,3-Dichlorobenzene	ND	0.50	1	10/09/2013 17:44
1,4-Dichlorobenzene	ND	0.50	1	10/09/2013 17:44
Dichlorodifluoromethane	ND	0.50	1	10/09/2013 17:44
1,1-Dichloroethane	ND	0.50	1	10/09/2013 17:44
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/09/2013 17:44
1,1-Dichloroethene	ND	0.50	1	10/09/2013 17:44
cis-1,2-Dichloroethene	ND	0.50	1	10/09/2013 17:44
trans-1,2-Dichloroethene	ND	0.50	1	10/09/2013 17:44
1,2-Dichloropropane	ND	0.50	1	10/09/2013 17:44
1,3-Dichloropropane	ND	0.50	1	10/09/2013 17:44
2,2-Dichloropropane	ND	0.50	1	10/09/2013 17:44
1,1-Dichloropropene	ND	0.50	1	10/09/2013 17:44

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	10/3/13 20:34	**Analytical Method:**	SW8260B
Date Prepared:	10/9/13-10/10/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-W	**1310142-001A**	**Water**	**10/02/2013 12:00**	**GC28**	**82700**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/09/2013 17:44
trans-1,3-Dichloropropene	ND	0.50	1	10/09/2013 17:44
Diisopropyl ether (DIPE)	ND	0.50	1	10/09/2013 17:44
Ethylbenzene	**14**	0.50	1	10/09/2013 17:44
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/09/2013 17:44
Freon 113	ND	0.50	1	10/09/2013 17:44
Hexachlorobutadiene	ND	0.50	1	10/09/2013 17:44
Hexachloroethane	ND	0.50	1	10/09/2013 17:44
2-Hexanone	ND	0.50	1	10/09/2013 17:44
Isopropylbenzene	**1.7**	0.50	1	10/09/2013 17:44
4-Isopropyl toluene	ND	0.50	1	10/09/2013 17:44
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/09/2013 17:44
Methylene chloride	ND	0.50	1	10/09/2013 17:44
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/09/2013 17:44
Naphthalene	**11**	0.50	1	10/09/2013 17:44
n-Propyl benzene	**7.3**	0.50	1	10/09/2013 17:44
Styrene	ND	0.50	1	10/09/2013 17:44
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/09/2013 17:44
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/09/2013 17:44
Tetrachloroethene	ND	0.50	1	10/09/2013 17:44
Toluene	ND	0.50	1	10/09/2013 17:44
1,2,3-Trichlorobenzene	ND	0.50	1	10/09/2013 17:44
1,2,4-Trichlorobenzene	ND	0.50	1	10/09/2013 17:44
1,1,1-Trichloroethane	ND	0.50	1	10/09/2013 17:44
1,1,2-Trichloroethane	ND	0.50	1	10/09/2013 17:44
Trichloroethene	ND	0.50	1	10/09/2013 17:44
Trichlorofluoromethane	ND	0.50	1	10/09/2013 17:44
1,2,3-Trichloropropane	ND	0.50	1	10/09/2013 17:44
1,2,4-Trimethylbenzene	**32**	0.50	1	10/09/2013 17:44
1,3,5-Trimethylbenzene	**8.8**	0.50	1	10/09/2013 17:44
Vinyl Chloride	ND	0.50	1	10/09/2013 17:44
Xylenes, Total	**19**	0.50	1	10/09/2013 17:44

Surrogates	REC (%)	Limits	Analytical Comments: b1
dibromofluromethane	98	70-130	10/09/2013 17:44
toluene-d8	90	70-130	10/09/2013 17:44
4-BFB	76	70-130	10/09/2013 17:44

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	10/3/13 20:34	**Analytical Method:**	SW8260B
Date Prepared:	10/9/13-10/10/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-W	**1310142-002A**	**Water**	**10/02/2013 10:20**	**GC28**	**82700**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/10/2013 01:25
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/10/2013 01:25
Benzene	ND	0.50	1	10/10/2013 01:25
Bromobenzene	ND	0.50	1	10/10/2013 01:25
Bromochloromethane	ND	0.50	1	10/10/2013 01:25
Bromodichloromethane	ND	0.50	1	10/10/2013 01:25
Bromoform	ND	0.50	1	10/10/2013 01:25
Bromomethane	ND	0.50	1	10/10/2013 01:25
2-Butanone (MEK)	ND	2.0	1	10/10/2013 01:25
t-Butyl alcohol (TBA)	ND	2.0	1	10/10/2013 01:25
n-Butyl benzene	ND	0.50	1	10/10/2013 01:25
sec-Butyl benzene	ND	0.50	1	10/10/2013 01:25
tert-Butyl benzene	ND	0.50	1	10/10/2013 01:25
Carbon Disulfide	ND	0.50	1	10/10/2013 01:25
Carbon Tetrachloride	ND	0.50	1	10/10/2013 01:25
Chlorobenzene	ND	0.50	1	10/10/2013 01:25
Chloroethane	ND	0.50	1	10/10/2013 01:25
Chloroform	ND	0.50	1	10/10/2013 01:25
Chloromethane	ND	0.50	1	10/10/2013 01:25
2-Chlorotoluene	ND	0.50	1	10/10/2013 01:25
4-Chlorotoluene	ND	0.50	1	10/10/2013 01:25
Dibromochloromethane	ND	0.50	1	10/10/2013 01:25
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/10/2013 01:25
1,2-Dibromoethane (EDB)	ND	0.50	1	10/10/2013 01:25
Dibromomethane	ND	0.50	1	10/10/2013 01:25
1,2-Dichlorobenzene	ND	0.50	1	10/10/2013 01:25
1,3-Dichlorobenzene	ND	0.50	1	10/10/2013 01:25
1,4-Dichlorobenzene	ND	0.50	1	10/10/2013 01:25
Dichlorodifluoromethane	ND	0.50	1	10/10/2013 01:25
1,1-Dichloroethane	ND	0.50	1	10/10/2013 01:25
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/10/2013 01:25
1,1-Dichloroethene	ND	0.50	1	10/10/2013 01:25
cis-1,2-Dichloroethene	ND	0.50	1	10/10/2013 01:25
trans-1,2-Dichloroethene	ND	0.50	1	10/10/2013 01:25
1,2-Dichloropropane	ND	0.50	1	10/10/2013 01:25
1,3-Dichloropropane	ND	0.50	1	10/10/2013 01:25
2,2-Dichloropropane	ND	0.50	1	10/10/2013 01:25
1,1-Dichloropropene	ND	0.50	1	10/10/2013 01:25

(Cont.)

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	10/3/13 20:34	**Analytical Method:**	SW8260B
Date Prepared:	10/9/13-10/10/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-W	**1310142-002A**	**Water**	**10/02/2013 10:20**	**GC28**	**82700**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/10/2013 01:25
trans-1,3-Dichloropropene	ND	0.50	1	10/10/2013 01:25
Diisopropyl ether (DIPE)	ND	0.50	1	10/10/2013 01:25
Ethylbenzene	ND	0.50	1	10/10/2013 01:25
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/10/2013 01:25
Freon 113	ND	0.50	1	10/10/2013 01:25
Hexachlorobutadiene	ND	0.50	1	10/10/2013 01:25
Hexachloroethane	ND	0.50	1	10/10/2013 01:25
2-Hexanone	ND	0.50	1	10/10/2013 01:25
Isopropylbenzene	ND	0.50	1	10/10/2013 01:25
4-Isopropyl toluene	ND	0.50	1	10/10/2013 01:25
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/10/2013 01:25
Methylene chloride	ND	0.50	1	10/10/2013 01:25
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/10/2013 01:25
Naphthalene	ND	0.50	1	10/10/2013 01:25
n-Propyl benzene	ND	0.50	1	10/10/2013 01:25
Styrene	ND	0.50	1	10/10/2013 01:25
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/10/2013 01:25
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/10/2013 01:25
Tetrachloroethene	**1.6**	0.50	1	10/10/2013 01:25
Toluene	**0.56**	0.50	1	10/10/2013 01:25
1,2,3-Trichlorobenzene	ND	0.50	1	10/10/2013 01:25
1,2,4-Trichlorobenzene	ND	0.50	1	10/10/2013 01:25
1,1,1-Trichloroethane	ND	0.50	1	10/10/2013 01:25
1,1,2-Trichloroethane	ND	0.50	1	10/10/2013 01:25
Trichloroethene	ND	0.50	1	10/10/2013 01:25
Trichlorofluoromethane	ND	0.50	1	10/10/2013 01:25
1,2,3-Trichloropropane	ND	0.50	1	10/10/2013 01:25
1,2,4-Trimethylbenzene	ND	0.50	1	10/10/2013 01:25
1,3,5-Trimethylbenzene	ND	0.50	1	10/10/2013 01:25
Vinyl Chloride	ND	0.50	1	10/10/2013 01:25
Xylenes, Total	ND	0.50	1	10/10/2013 01:25

Surrogates	REC (%)	Limits	
dibromofluromethane	102	70-130	10/10/2013 01:25
toluene-d8	92	70-130	10/10/2013 01:25
4-BFB	86	70-130	10/10/2013 01:25

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	10/3/13 20:34	**Analytical Method:**	SW8260B
Date Prepared:	10/9/13-10/10/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-W	**1310142-003A**	**Water**	**10/02/2013 14:40**	**GC28**	**82700**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	10/10/2013 02:03
tert-Amyl methyl ether (TAME)	ND	0.50	1	10/10/2013 02:03
Benzene	ND	0.50	1	10/10/2013 02:03
Bromobenzene	ND	0.50	1	10/10/2013 02:03
Bromochloromethane	ND	0.50	1	10/10/2013 02:03
Bromodichloromethane	ND	0.50	1	10/10/2013 02:03
Bromoform	ND	0.50	1	10/10/2013 02:03
Bromomethane	ND	0.50	1	10/10/2013 02:03
2-Butanone (MEK)	ND	2.0	1	10/10/2013 02:03
t-Butyl alcohol (TBA)	ND	2.0	1	10/10/2013 02:03
n-Butyl benzene	ND	0.50	1	10/10/2013 02:03
sec-Butyl benzene	ND	0.50	1	10/10/2013 02:03
tert-Butyl benzene	ND	0.50	1	10/10/2013 02:03
Carbon Disulfide	ND	0.50	1	10/10/2013 02:03
Carbon Tetrachloride	ND	0.50	1	10/10/2013 02:03
Chlorobenzene	ND	0.50	1	10/10/2013 02:03
Chloroethane	ND	0.50	1	10/10/2013 02:03
Chloroform	ND	0.50	1	10/10/2013 02:03
Chloromethane	ND	0.50	1	10/10/2013 02:03
2-Chlorotoluene	ND	0.50	1	10/10/2013 02:03
4-Chlorotoluene	ND	0.50	1	10/10/2013 02:03
Dibromochloromethane	ND	0.50	1	10/10/2013 02:03
1,2-Dibromo-3-chloropropane	ND	0.20	1	10/10/2013 02:03
1,2-Dibromoethane (EDB)	ND	0.50	1	10/10/2013 02:03
Dibromomethane	ND	0.50	1	10/10/2013 02:03
1,2-Dichlorobenzene	ND	0.50	1	10/10/2013 02:03
1,3-Dichlorobenzene	ND	0.50	1	10/10/2013 02:03
1,4-Dichlorobenzene	ND	0.50	1	10/10/2013 02:03
Dichlorodifluoromethane	ND	0.50	1	10/10/2013 02:03
1,1-Dichloroethane	ND	0.50	1	10/10/2013 02:03
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	10/10/2013 02:03
1,1-Dichloroethene	ND	0.50	1	10/10/2013 02:03
cis-1,2-Dichloroethene	ND	0.50	1	10/10/2013 02:03
trans-1,2-Dichloroethene	ND	0.50	1	10/10/2013 02:03
1,2-Dichloropropane	ND	0.50	1	10/10/2013 02:03
1,3-Dichloropropane	ND	0.50	1	10/10/2013 02:03
2,2-Dichloropropane	ND	0.50	1	10/10/2013 02:03
1,1-Dichloropropene	ND	0.50	1	10/10/2013 02:03

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	10/3/13 20:34	**Analytical Method:**	SW8260B
Date Prepared:	10/9/13-10/10/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-W	**1310142-003A**	**Water**	**10/02/2013 14:40**	**GC28**	**82700**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.50	1	10/10/2013 02:03
trans-1,3-Dichloropropene	ND	0.50	1	10/10/2013 02:03
Diisopropyl ether (DIPE)	ND	0.50	1	10/10/2013 02:03
Ethylbenzene	ND	0.50	1	10/10/2013 02:03
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	10/10/2013 02:03
Freon 113	ND	0.50	1	10/10/2013 02:03
Hexachlorobutadiene	ND	0.50	1	10/10/2013 02:03
Hexachloroethane	ND	0.50	1	10/10/2013 02:03
2-Hexanone	ND	0.50	1	10/10/2013 02:03
Isopropylbenzene	ND	0.50	1	10/10/2013 02:03
4-Isopropyl toluene	ND	0.50	1	10/10/2013 02:03
Methyl-t-butyl ether (MTBE)	ND	0.50	1	10/10/2013 02:03
Methylene chloride	ND	0.50	1	10/10/2013 02:03
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	10/10/2013 02:03
Naphthalene	ND	0.50	1	10/10/2013 02:03
n-Propyl benzene	ND	0.50	1	10/10/2013 02:03
Styrene	ND	0.50	1	10/10/2013 02:03
1,1,1,2-Tetrachloroethane	ND	0.50	1	10/10/2013 02:03
1,1,2,2-Tetrachloroethane	ND	0.50	1	10/10/2013 02:03
Tetrachloroethene	ND	0.50	1	10/10/2013 02:03
Toluene	ND	0.50	1	10/10/2013 02:03
1,2,3-Trichlorobenzene	ND	0.50	1	10/10/2013 02:03
1,2,4-Trichlorobenzene	ND	0.50	1	10/10/2013 02:03
1,1,1-Trichloroethane	ND	0.50	1	10/10/2013 02:03
1,1,2-Trichloroethane	ND	0.50	1	10/10/2013 02:03
Trichloroethene	ND	0.50	1	10/10/2013 02:03
Trichlorofluoromethane	ND	0.50	1	10/10/2013 02:03
1,2,3-Trichloropropane	ND	0.50	1	10/10/2013 02:03
1,2,4-Trimethylbenzene	ND	0.50	1	10/10/2013 02:03
1,3,5-Trimethylbenzene	ND	0.50	1	10/10/2013 02:03
Vinyl Chloride	ND	0.50	1	10/10/2013 02:03
Xylenes, Total	ND	0.50	1	10/10/2013 02:03

Surrogates	REC (%)	Limits	Analytical Comments: b1	
dibromofluromethane	101	70-130		10/10/2013 02:03
toluene-d8	89	70-130		10/10/2013 02:03
4-BFB	86	70-130		10/10/2013 02:03

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW5030B
Date Received:	10/3/13 20:34	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	10/6/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-W	**1310142-001B**	**Water**	**10/02/2013 12:00**	**GC3**	**82555**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**650**	50	1	10/06/2013 03:32
MTBE	**---**	5.0	1	10/06/2013 03:32
Benzene	**---**	0.50	1	10/06/2013 03:32
Toluene	**---**	0.50	1	10/06/2013 03:32
Ethylbenzene	**---**	0.50	1	10/06/2013 03:32
Xylenes	**---**	0.50	1	10/06/2013 03:32

Surrogates	REC (%)	Qualifiers	Limits	Analytical Comments: d1,c4,b1
aaa-TFT	137	S	70-130	10/06/2013 03:32

B6-W	1310142-002B	Water	10/02/2013 10:20	GC3	82555

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/06/2013 04:02
MTBE	**---**	5.0	1	10/06/2013 04:02
Benzene	**---**	0.50	1	10/06/2013 04:02
Toluene	**---**	0.50	1	10/06/2013 04:02
Ethylbenzene	**---**	0.50	1	10/06/2013 04:02
Xylenes	**---**	0.50	1	10/06/2013 04:02

Surrogates	REC (%)	Limits	
aaa-TFT	104	70-130	10/06/2013 04:02

B8-W	1310142-003B	Water	10/02/2013 14:40	GC3	82555

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	10/06/2013 04:31
MTBE	**---**	5.0	1	10/06/2013 04:31
Benzene	**---**	0.50	1	10/06/2013 04:31
Toluene	**---**	0.50	1	10/06/2013 04:31
Ethylbenzene	**---**	0.50	1	10/06/2013 04:31
Xylenes	**---**	0.50	1	10/06/2013 04:31

Surrogates	REC (%)	Limits	Analytical Comments: b1	
aaa-TFT	111	70-130		10/06/2013 04:31

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Project:	#0590; 1900 Webster St.	**Extraction Method**	E200.8
Date Received:	10/3/13 20:34	**Analytical Method:**	E200.8
Date Prepared:	10/3/13	**Unit:**	µg/L

Lead

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-W	**1310142-001C**	**Water/TOTAL**	**10/02/2013 12:00**	**ICP-MS1**	**82448**

Analytes	Result	RL	DF	Date Analyzed
Lead	**170**	5.0	10	10/07/2013 17:49

Surrogates	REC (%)	Limits	Analytical Comments: b1	
Tb 350.917	106	70-130		10/07/2013 17:49

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B6-W	**1310142-002C**	**Water/TOTAL**	**10/02/2013 10:20**	**ICP-MS2**	**82448**

Analytes	Result	RL	DF	Date Analyzed
Lead	**330**	10	20	10/05/2013 13:57

Surrogates	REC (%)	Limits		
Tb 350.917	103	70-130		10/05/2013 13:57

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B8-W	**1310142-003C**	**Water/TOTAL**	**10/02/2013 14:40**	**ICP-MS2**	**82448**

Analytes	Result	RL	DF	Date Analyzed
Lead	**320**	10	20	10/05/2013 14:03

Surrogates	REC (%)	Limits	Analytical Comments: b1	
Tb 350.917	94	70-130		10/05/2013 14:03

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Analytical Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Project:	#0590; 1900 Webster St.	**Extraction Method**	SW3510C/3630C
Date Received:	10/3/13 20:34	**Analytical Method:**	SW8015B
Date Prepared:	10/3/13	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B5-W	**1310142-001B**	**Water**	**10/02/2013 12:00**	**GC11B**	**82417**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**550**	50	1	10/07/2013 19:27
TPH-Motor Oil (C18-C36)	ND	250	1	10/07/2013 19:27
TPH-Bunker Oil (C10-C36)	**620**	100	1	10/07/2013 19:27

Surrogates	REC (%)	Limits	Analytical Comments: e4,b1
C9	81	70-130	10/07/2013 19:27

B6-W	1310142-002B	Water	10/02/2013 10:20	GC11B	82417

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	10/07/2013 21:44
TPH-Motor Oil (C18-C36)	ND	250	1	10/07/2013 21:44
TPH-Bunker Oil (C10-C36)	ND	100	1	10/07/2013 21:44

Surrogates	REC (%)	Limits	
C9	85	70-130	10/07/2013 21:44

B8-W	1310142-003B	Water	10/02/2013 14:40	GC11A	82417

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	10/09/2013 00:42
TPH-Motor Oil (C18-C36)	ND	250	1	10/09/2013 00:42
TPH-Bunker Oil (C10-C36)	ND	100	1	10/09/2013 00:42

Surrogates	REC (%)	Limits	Analytical Comments: b1
C9	100	70-130	10/09/2013 00:42

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Date Prepared:	10/9/13	**BatchID:**	82700
Date Analyzed:	10/9/13	**Extraction Method**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-82700 1310142-002AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	18.14	0.50	20	-	90.7	70-130
Benzene	ND	20.64	0.50	20	-	103	70-130
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	59.32	2.0	80	-	74.1	70-130
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	20.12	0.50	20	-	101	70-130
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	18.9	0.50	20	-	94.5	70-130
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	17.56	0.50	20	-	87.8	70-130
1,1-Dichloroethene	ND	18.5	0.50	20	-	92.5	70-130
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Date Prepared:	10/9/13	**BatchID:**	82700
Date Analyzed:	10/9/13	**Extraction Method**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-82700 1310142-002AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	19.11	0.50	20	-	95.6	70-130
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	17.74	0.50	20	-	88.7	70-130
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	17.25	0.50	20	-	86.2	70-130
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	19.75	0.50	20	-	98.7	70-130
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	20.56	0.50	20	-	103	70-130
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-
Surrogate Recovery							
dibromofluromethane	26.47	26.24		25	106	105	70-130
toluene-d8	24.4	24.44		25	98	98	70-130
4-BFB	2.411	2.323		2.5	96	93	70-130

(Cont.)

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"When Quality Counts"

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

Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Date Prepared:	10/9/13	**BatchID:**	82700
Date Analyzed:	10/9/13	**Extraction Method**	SW5030B
Instrument:	GC28	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-82700 1310142-002AMS/MSD

QC SUMMARY REPORT FOR SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	18.59	18.9	20	ND	92.9	94.5	70-130	1.64	20
Benzene	18.78	19.4	20	ND	93.9	97	70-130	3.27	20
t-Butyl alcohol (TBA)	71.47	73.31	80	ND	89.3	91.6	70-130	2.55	20
Chlorobenzene	18.92	20.26	20	ND	94.6	101	70-130	6.85	20
1,2-Dibromoethane (EDB)	19.22	20.35	20	ND	96.1	102	70-130	5.71	20
1,2-Dichloroethane (1,2-DCA)	18.53	19.24	20	ND	92.7	96.2	70-130	3.76	20
1,1-Dichloroethene	16.56	17.17	20	ND	82.8	85.8	70-130	3.59	20
Diisopropyl ether (DIPE)	18.08	18.64	20	ND	90.4	93.2	70-130	3.03	20
Ethyl tert-butyl ether (ETBE)	18.03	18.82	20	ND	90.2	94.1	70-130	4.30	20
Methyl-t-butyl ether (MTBE)	18.29	18.88	20	ND	91.5	94.4	70-130	3.17	20
Toluene	18.13	18.99	20	0.5642	87.8	92.1	70-130	4.67	20
Trichloroethene	20.66	21.38	20	ND	103	107	70-130	3.40	20
Surrogate Recovery									
dibromofluromethane	26.61	26.64	25		106	107	70-130	0.103	20
toluene-d8	23.08	23.39	25		92	94	70-130	1.33	20
4-BFB	2.12	2.127	2.5		85	85	70-130	0	20

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Date Prepared:	10/4/13	**BatchID:**	82555
Date Analyzed:	10/5/13	**Extraction Method**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-82555 1310119-055AMS/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	51.65	40	60	-	86.1	70-130
MTBE	ND	9.572	5.0	10	-	95.7	70-130
Benzene	ND	10.86	0.50	10	-	109	70-130
Toluene	ND	11.03	0.50	10	-	110	70-130
Ethylbenzene	ND	10.87	0.50	10	-	109	70-130
Xylenes	ND	32.9	0.50	30	-	110	70-130
Surrogate Recovery							
aaa-TFT	10.38	10.68		10	104	107	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	54.91	54.99	60	ND	91.5	91.7	70-130	0.158	20
MTBE	10.13	10.93	10	ND	101	109	70-130	7.65	20
Benzene	10.5	10.34	10	ND	105	103	70-130	1.51	20
Toluene	10.69	10.6	10	ND	107	106	70-130	0.884	20
Ethylbenzene	10.66	10.61	10	ND	107	106	70-130	0.458	20
Xylenes	32.4	32.25	30	ND	108	108	70-130	0	20
Surrogate Recovery									
aaa-TFT	10.07	9.911	10		101	99	70-130	1.55	20

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Date Prepared:	10/3/13	**BatchID:**	82448
Date Analyzed:	10/3/13	**Extraction Method**	E200.8
Instrument:	ICP-MS2	**Analytical Method:**	E200.8
Matrix:	Water	**Unit:**	µg/L
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-82448 1310118-001AMS/MSD

QC SUMMARY REPORT FOR E200.8

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	50.3	0.50	50	-	101	85-115
Surrogate Recovery							
Tb 350.917	755.6	753.3		750	101	100	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	53.75	56.17	50	7.9	91.8	96.6	70-130	4.40	20
Surrogate Recovery									
Tb 350.917	766.3	767.4	750		102	102	70-130	0	20

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Quality Control Report

Client:	P & D Environmental	**WorkOrder:**	1310142
Date Prepared:	10/3/13	**BatchID:**	82417
Date Analyzed:	10/3/13	**Extraction Method**	SW3510C/3630C
Instrument:	GC11A, GC6B	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	#0590; 1900 Webster St.	**Sample ID:**	MB/LCS-82417

QC SUMMARY REPORT FOR SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	1072	50	1000	-	107	70-130
Surrogate Recovery							
C9	628.4	601.3		625	101	96	70-130

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Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1310142 **ClientCode: PDEO**

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

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

Email: lab@pdenviro.com
cc:
PO:
ProjectNo: #0590; 1900 Webster St.

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

Requested TAT: **5 days**

Date Received: **10/03/2013**
Date Printed: **10/03/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1310142-001	B5-W	Water	10/2/2013 12:00	☐	A	B	C									
1310142-002	B6-W	Water	10/2/2013 10:20	☐	A	B	C									
1310142-003	B8-W	Water	10/2/2013 14:40	☐	A	B	C									

Test Legend:

1	8260B_W	2	G-MBTEX_W	3	PBMS_W	4		5	
6		7		8		9		10	
11		12							

The following SampIDs: 001B, 002B, 003B contain testgroup.

Prepared by: Zoraida Cortez

Comments:

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

CHAIN OF CUSTODY RECORD

1310142

PAGE 1 OF 1

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

PROJECT NUMBER: 0590

PROJECT NAME: 1900 WEBSTER ST. OAKLAND, CA

SAMPLED BY: (PRINTED & SIGNATURE) MICHAEL BASS-DESCHENES

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPHG/BTEX/MTBE SILICA GEL CLEANUP	EPA 8260	TOTAL LEAD	PRESERVATIVE	REMARKS
B5-W	10/2/13	1200	H2O		6	X	X	X	ICE	NORMAL TAT
B6-W	"	1020	"		6	X	X	X	"	"
B8-W	"	1440	"		6	X	X	X	"	"

12
TS
TS

ICE/t° 0.4
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

VOAS	O&G	METALS	OTHER
PRESERVATION			

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	Total No. of Samples (This Shipment)	3	LABORATORY:
	10/3/13	1430		Total No. of Containers (This Shipment)	18	MCCAMPBELL ANALYTICAL, INC.
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	LABORATORY CONTACT:		LABORATORY PHONE NUMBER:
	10/3/13	1600		ANGELA RYDELIUS		(877) 252-9262
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED:		( ) YES (X) NO

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

REMARKS: 5 VOAs PRESERVED WITH HCL
1 500 ML POLY UNPRESERVED.

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Sample Receipt Checklist

Client Name: **P & D Environmental** Date and Time Received: **10/3/2013 8:34:17 PM**

Project Name: **#0590; 1900 Webster St.** LogIn Reviewed by: Zoraida Cortez

WorkOrder N°: **1310142** Matrix: Water Carrier: Rob Pringle (MAI Courier)

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 0.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☑	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

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

Comments: All samples had to be preserved in house.