ConocoPhillips
76 Broadway
Sacramento, California 95818

July 22, 2009

Jerry Wickham
Alameda County Health Agency
1131 Harbor Bay parkway, Suite250
Alameda, California 94502-577

Re: ***Report on Ground Water Monitoring Well Replacement and Additional Investigation***
76 Service Station # 7376 RO # 0361
4191 First Street
Pleasanton, CA

Dear Mr. Wickham:

I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,

Terry L. Grayson
Site Manager
Risk Management & Remediation

July 22, 2009

Mr. Jerry Wickham
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

cc: Mr. Terry Grayson, ConocoPhillips (electronic copy)

DELTA

REPORT ON GROUNDWATER MONITORING WELL REPLACEMENT AND ADDITIONAL INVESTIGATION

76 SERVICE STATION NO. 7376
4191 First Street
Pleasanton, CA
AOC 1652
RO# 0361
DELTA PROJECT C107376220

Prepared for:

ConocoPhilips Company
76 Broadway
Sacramento, CA 95818

a member of: Inogen Environmental Alliance

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CERTIFICATION

This report was prepared under the supervision and direction of the undersigned California Professional Geologist.

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PROFESSIONAL GEOLOGIST
JOHN R. REAY
NO. 4716
STATE OF CALIFORNIA

1.0 DECLARATION

On behalf of ConocoPhillips, Delta has prepared this report for the 76 Service Station No. 7376 (site) located at 4191 1st Street, Pleasanton, California (Figure 1). Approval for this work was granted in an Alameda County Health Care Services Agency (ACHCSA) letter dated March 27, 2009 (Appendix A). The purpose of this report is to provide a summary of groundwater monitoring well replacement, MW-1, MW-2b and MW-3, (Figure 2) at the subject site, the results of soil boring sampling conducted at the assumed location of a former offsite fuel oil tank at the request of ACHCSA, and provide recommendations for additional activities as may be needed at the site and adjacent properties.

2.0 SITE BACKGROUND AND DESCRIPTION

2.1 SITE BACKGROUND

The site was developed in 1899 as a warehouse to store grain and hay (Amador-Livermore Valley Historical Society, 1994). According to available Sanborn maps an "oil tank in ground" was installed in between 1903 and 1907 to service warehouse operations until approximately 1943 (Sanborn). A service station was first constructed on the site in 1976 (Enviros, 1995). Between November 8, 1982 and February 8, 1985, the Pleasanton Fire Department (PFD) responded to five separate fuel releases at the site (PFD, 1988). These releases occurred prior to acquisition of the property by Unocal Corporation in 1988, and prior to ConocoPhillips assuming operations in 2000.

2.2 PREVIOUS ASSESSMENT

June 1987: Three exploratory soil borings, B-1, B-2, and B-3, were drilled at the site and sampled by Applied GeoSystems (AGS). Borings B-1 and B-2 were drilled to a final depth of 46.5 feet below grade (fbg) and B-3 was drilled to 55 fbg (Figure 3). Three soil samples from each boring were analyzed for total petroleum hydrocarbons as TVH (Total Volatile Hydrocarbons) or Gasoline range hydrocarbons, benzene, toluene, ethylbenzene, and xylenes (BTEX) compounds. In addition, one sample collected at 35 fbg from B-1 (sample S-35-B1) was also analyzed for Total Extractable Hydrocarbons (TEH) or Diesel range hydrocarbons. TEH was detected in sample S-35-B1 at 1,325 parts per million (ppm). Sample (S-10-B3) collected at 10 fbg was reported as non-detect for all analytes. The remaining samples contained petroleum hydrocarbons at concentrations ranging from 7.72 ppm TVH in S-30-B3 to 281.9 ppm TVH in S-20-B1. Benzene was detected in concentrations ranging from 0.07 ppm in S-45-B2 to 17.1 ppm in S-20-B1. Groundwater was not encountered in the borings.

August 1987: One soil boring, B-4, was advanced by AGS to a total depth of 66.5 fbg (Figure 3). TVH was reported from one soil sample collected at 35 fbg (S-35-B4) at 100.5 ppm, benzene at 1.4 ppm, and TEH at 1,835 ppm. A second soil sample collected at 65 fbg was reported as non-detect for all analytes with the exception of TVH which was detected at 0.45 ppm. Groundwater was not encountered in the boring.

October 1987 AGS workplan related to replacement of UST's and installation of 3 groundwater monitoring wells. Report of well installation and UST closure never submitted to any agency (Enviros, 1995).

December 1987: AGS advanced three soil borings (B-5, B-6, B-7) to a total depth of 96.5 fbg and completed the borings as groundwater monitoring wells MW-I, MW-2, and MW3 (Figure 3). The wells were completed at depths of 96.5,85, and 96.5 fbg, respectively. Saturated soil was initially encountered at approximately 80 fbg. Two soil samples collected at 35 and 70 fbg in boring B-5 were reported as non-detect for TPH-G, TPH-D, and BTEX. One soil sample collected at 35 fbg in boring 8-6 contained 15.0 ppm of TPH-G, 6,300 ppm of TPH-D and was non-detect for benzene. One soil sample collected at 70 fbg in boring B-6 was reported as non-detect for TPH-G, TPH-D, and 8TEX. A sample collected at 55 fbg in boring B-7 contained 390 ppm of TPH-G, 1.3 ppm of benzene, and 220 ppm of TPH-D. A sample collected at 75 fbg in boring B-7 contained 5.0 ppm of TPH-G, 30.0 ppm of TPH-D, and was non-detect for BTEX. Groundwater samples collected from well MW-I, MW-2, and MW-3 contained petroleum hydrocarbon concentrations ranging from 0.0500 to 24,000 ppm of TPH-G, 0.058 to 2,600 ppm of benzene, and 0.620 to 2,300 ppm of TPH-D.

December 1987: Four 12,000-galion USTs were replaced with two 12,000-galion double-wall USTs. An unknown volume of contaminated soil was reportedly removed and transported to a Class I facility. The property and facilities were sold to the Unocal Corporation in February 1988.

September 1994: Kaprealian Engineering, Inc. (KEI) conducted soil sampling services during a dispenser and product piping upgrade at the site. A total of twelve trench soil samples were collected at approximately 3 fbg. Petroleum hydrocarbons were detected in the samples at concentrations ranging from non-detect to 8,900 ppm of TPHG, and non-detect to 65 ppm of benzene. Upon receipt of the analytical data, over-excavation was conducted in the area of two soil samples with elevated hydrocarbon concentrations. Three soil samples were collected at approximately 9 fbg. The two over-excavation samples were reported to contain 13 and 17 ppm of TPH-G and 0.020 to 0.029 ppm of benzene. The third soil sample collected laterally between the two over-excavation samples, contained 4,400 ppm of TPH-G and 29 ppm of benzene

February 1995: KEI destroyed monitoring well MW-2 and advanced two soil borings (MW2B and EB-1). Boring MW-2B was completed as a monitoring well. Well MW-2 was destroyed due to asphalt tar being introduced into the well casing during repaving activities at the site. Soil boring EB-1 was drilled to a total depth of 66 fbg and well MW-2B was drilled and constructed to a total depth of 91 fbg (Figure 3). A total of twenty-nine soil samples were collected during boring EB-1 and MW-2B drilling activities. Samples collected from 5 to 50 fbg from EB-1 contained petroleum hydrocarbon concentrations ranging from 27 to 15,000 ppm of TPH-G, 0.29 to 340 ppm of benzene, and 55 to 3,600 ppm of TPH-D. Samples collected from 55 to 65 fbg from EB-1 contained petroleum hydrocarbon concentrations ranging from non-detect to 6.4 ppm of TPH-G, non-detect to 0.89 ppm of benzene, and non-detect for TPH-D. Soil samples collected from 5 to 65 fbg in well boring MW-2B contained petroleum hydrocarbons concentrations ranging from 1.0 to 720 ppm of TPH-G, non-detect to 9.5 ppm of benzene, and non-detect to 2,400 ppm of TPH-D. Soil samples collected from 70 to 80 fbg in well boring MW-28 were

reported as nondetect for TPH-G, BTEX, and TPH-D. Enviros was contracted to complete a Phase I Environmental Site Assessment for the site in early 1995.

July 1996: KEI advanced three soil borings and completed them as groundwater monitoring wells MW-4, MW-5 and MW-6 to total depths of 73.5 to 93 fbg. Well MW-4 was installed onsite and wells MW-5 and MW-6 were installed offsite on the former Southern Pacific Railroad right-of-way (Figure 3). A total of forty-seven soil samples were collected from the well borings and analyzed for TPH-G, BTEX, and fuel fingerprinting. Soil samples from well boring MW-4 contained low concentrations of petroleum hydrocarbons ranging from nondetect to 47 ppm of TPH-G, non-detect to 0.27 ppm of benzene, and non-detect to 15 ppm of TPH-D. Soil samples collected in the upper 50 feet of well boring MW-5 were reported as non-detect for TPH-G and TPH-D, and contained benzene in concentrations ranging from non-detect to 0.038 ppm. Samples collected between 55 and 65 fbg in MW-5 contained petroleum hydrocarbon concentrations ranging from 32 to 560 ppm of TPH-G, 0.28 to 3.9 ppm of benzene, and nondetect to 450 ppm of TPH-D. Samples collected from MW-6 contained petroleum hydrocarbon concentrations ranging from non-detect to 5.0 ppm of TPH-G, non-detect to 1.2 ppm of benzene, and non-detect for TPH-D except for 200 ppm detected at 55 fbg. Petroleum hydrocarbon concentrations in the range of kerosene, motor oil, and unidentified extractable hydrocarbons were also identified in the samples collected from the well borings.

June 1997: Separate phase hydrocarbons (SPH) were identified in well MW-5 during quarterly monitoring activities. Previous analysis of the SPH showed it contained a mixture of refined gasoline and heavy hydrocarbons. Excluding MW-5, petroleum hydrocarbon concentrations in the groundwater onsite and *offsite* have ranged from non-detect to 41,000 ppb TPH-G, nondetect to 3,200 ppb benzene, non-detect to 12,200 ppb MTBE, and non-detect to 4,380 ppb TPH-D. Depth to groundwater has fluctuated from approximately 45.83 to 92.23 feet below TOC. Groundwater flow has ranged from south to northwest with a hydraulic gradient of approximately 0.07 to 0.2 feet/foot.

December 1997: Entrix Inc. conducted a forensic geochemical analysis on SPH extracted from well MW-5. The SPH was probably composed of a mixture of over 50% refined gasoline and heavier hydrocarbons. The gasoline constituents appeared to be relatively fresh. The heavier hydrocarbon mixture had a carbon distribution ranging from about C13 to C33. This distribution is similar in nature to a very weathered crude oil or Bunker C fuel, not refined petroleum products such as diesel #2, motor oil, lube oil, etc.

June/August 1998: Five onsite soil borings (B-8 through B-12) were advanced and two offsite downgradient groundwater monitoring wells (MW-7, MW-8) were installed by Gettler Ryan, Inc. (GR) (Figure 3). A total of forty soil samples were collected from the soil and well borings and analyzed for TPH-G, BTEX, methyl tertiary butyl ether (MTBE), TPH-D, and total petroleum hydrocarbons as oil (TPH-O). Petroleum hydrocarbon concentrations in the soil samples range from non-detect for all analytes for soil boring B-8 and well boring MW-7, to a maximum of 1,700 ppm of TPH-G and 21 ppm of benzene (B-12 at 37.5 fbg), 14,000 ppm of TPH-D, 2.6 ppm of MTBE (B-12 at 28.5 fbg), and 5,200 ppm of TPH-O (B-11 at 10.5 fbg). Elevated concentrations of petroleum hydrocarbons were concentrated at 24.5 and 31 fbg in boring B-1 0, from the surface to 61 fbg in boring B-11, at 28.5, 37.5 and 47 fbg in boring B-12, and at 45.5 fbg in well

boring MW-8. In addition, two soil samples containing visible free product were collected from boring B-11 (near the former UST excavation) at 10.5 and 61 fbg and submitted to Global Geochemistry Corp. for hydrocarbon fingerprinting chemical analysis. The results of these analyses was that the free product from both samples was composed of approximately 90% highly to severely weathered semi-volatile and high boiling components identified as crude oil and 10% of slightly weathered gasoline.

October-November 2000: GR advanced one offsite soil boring (B-13) and advanced and installed two offsite groundwater monitoring wells (MW-9, MW-1 0). A total of twenty eight soil samples were collected from the soil and well borings and analyzed for TPH-G, BTEX, and MTBE. Soil samples collected from well boring MW-9 between 16 and 60.5 feet and boring B-13 between 85.5 and 126 fbg were reported as non-detect for all analytes. Some soil samples collected from well boring MW-10 contained TPH-G, benzene,unidentified hydrocarbons with a carbon range of C6 to C12, and MTBE. Nine soil samples collected from boring B-13 between 7.5 and 73.5 fbg contained TPH-G, unidentified hydrocarbons with a carbon range of greater than C1 0, benzene, and MTBE. Grab groundwater samples were collected from each of the borings. Groundwater samples and 53 ppb benzene, and 3.5 and 3.7 ppb MT8E, respectively. Groundwater sample G-1, collected from well boring MW-9 at 55 fbg, contained 66 ppb MT8E. The groundwater sample collected at 90 fbg from well boring MW-10 contained 34 ppb MTBE. The groundwater sample collected at 95 fbg from well boring MW-10 contained 230 ppb TPH-G and 54 ppb MTBE. Five soil samples collected from well boring MW-9 between 16 and 60.5 fbg were reported as non-detect for all analytes. Nine soils samples were collected from well boring MW-10 between 5.5 and 90.5 fbg. These soil samples were reported as nondetect for all analytes except for 9.7 ppm TPH-G, 0.035 ppm benzene, and 240 ppm TPH-G and unidentified hydrocarbons with a carbon range of C6 to C12 at 38 fbg, and 0.71 ppm benzene and 1.2 ppm MTBE by United States Environmental Protection Agency (EPA) Method 8020. Five samples collected from boring B-13 between 85.5 and 126 fbg were reported as non-detect for all analytes. Nine soil samples collected from boring B-13 between 7.5 and 73.5 fbg contained petroleum hydrocarbons at concentrations ranging from non-detect to 14,000 ppm TPH-G and unidentified hydrocarbons with a carbon range of greater than C1 0 (at 28 fbg), non-detect to 100 ppm benzene (at 28 fbg), and non-detect to 0.18 ppm MTBE (at 57 fbg). Grab groundwater samples were collected from each of the borings. Groundwater samples B-13-128.5 and B-13-133, collected at 128.5 and 133 fbg from boring B13, contained 150 and 620 ppb TPH-G, 17 and 53 ppb benzene, and 3.5 and 3.7 ppb MTBE, respectively. Groundwater sample G-1, collected from well boring MW-9 at 55 fbg, contained 66 ppb MTBE and was reported as non-detect for TPH-G and MTBE. Groundwater sample MW-10-90, collected at 90 fbg from well boring MW-10, was reported as non-detect for TPH-G and benzene, and contained 34 ppb MTBE. Groundwater sample MW-10-95, collected at 95 fbg from well boring MW-10, was reported as non-detect for benzene, and contained 230 ppb TPH-G and 54 ppb MTBE.

September 2001: Two *offsite* soil borings were drilled by GR and completed as groundwater monitoring wells MW-II and MW-12. The wells were installed to total depths of approximately 86 and 88 fbg, respectively. Soil samples were reported as nondetect for all analytes. A grab groundwater sample collected from a perched groundwater zone at 40 fbg in well boring MW-12 was reported as non-detect for TPH-G, BTEX, and MTBE.

October 2003: Site environmental consulting responsibilities were transferred to TRC.

October 2007: Site environmental consulting responsibilities were transferred to Delta. Four onsite wells (MW-1, MW-2B, MW-3 and MW-4) and eight *offsite* wells (MW-5 through MW12) have been monitored and sampled quarterly from December 1994 to the present. SPH was not present in onsite or *offsite* wells during the most recent groundwater monitoring and sampling event conducted on December 27, 2007. SPH was present in the casing of well MW-2B during the previous quarter and has been present periodically in well MW-5 since

May 2008: Delta advanced seven CPT borings and prepared *Soil and Groundwater Investigation Report.*

June 2009 Delta abandons MW-1, MW-2B, and MW-3 and re-constructs wells as MW-1A, MW-2C, and MW-3A to correct excessive screen intervals in older wells and define potential multiple aquifer sands.

2.3 SENSITIVE RECEPTOR SURVEY

In 2005, a Sensitive Receptor Survey Report was prepared by TRC to identify domestic and municipal wells within one-half mile of the Site and evaluate nearby surface water bodies as possible sensitive receptors. No water supply wells were identified within one-half mile radius of the Site. Two surface water bodies, Damon Slough and Lion Creek, were identified as possible sensitive receptors.

2.4 HYDROGEOLOGIC SITE CONDITIONS

The subject site is located at the base of the northwest end of the Valle De San Jose. The site is underlain by Holocene age coarse grained alluvium interpreted to be alluvial fan deposits. These deposits are composed of unconsolidated, well bedded, moderately sorted, permeable sand and silt, with coarse sand and gravel becoming abundant toward fan heads and in narrow canyons (Helley, 1979). The site is also located approximately 1,000 feet west and north of Pliocene and/or Pleistocene non-marine sedimentary Livermore Gravel (Diblee, 1980).

The site is located within the Amador Sub-basin of the Livermore Valley Groundwater Basin. The main watercourses in the basin are the Arroyo Valle and Arroyo Mocho, which both drain into the Arroyo de la Laguna. There are three municipal water supply wells within 0.5 miles of the site. Monitoring wells maintained by the City of Pleasanton are located approximately 230 feet to the south of the site. The estimated depth to the regional groundwater is 40 fbg and the regional flow direction is north and northeast (ACWD-Zone 7, 1993).

The City of Pleasanton is served by the Zone 7 Water Agency. Based on information provided by personnel from the Zone 7 Water Agency, the City of Pleasanton obtains 80% of its water from the Hetch-Hetchy reservoir, the San Joaquin/Sacramento Delta and multiple deep-water wells located in the Fremont area. The remaining water is pumped from wells in Pleasanton that range in depth from 50-600 feet.

3.0 MONITORING WELL REPLACEMENTS

Existing wells MW-1, MW-2B, and MW-3 were properly abandoned under permit and in accordance with California Well Standards, Bulletin 74-90 by a C-57 licensed drilling contractor prior to installation of wells MW-1B, MW-2C, and MW-3B.

Fifteen inch hollow stem auger was used to set surface conductor casings through previously identified upper contaminated zones. Upper contaminated zones were sealed off by emplacement of 8 5/8 inch I.D. steel conductor casing. The surface conductor casing grout seal was allowed to cure for a minimum of 24 hours prior to drilling out of the casing shoe. Eight inch auger was used to drill out of the conductor casing and complete the monitoring wells. Based on previously conducted soil and CPT borings conducted in the immediately vicinity of the proposed monitoring wells, the borings were advanced to 45 fbg directly without sampling. From 45 feet to target depth stratigraphy was defined utilizing continuous core in MW-3B to the first encountered aquifer sand at approximately 80 fbg. No “upper” or perched aquifer sand was encountered. MW-1A and MW-2B were drilled directly to completion depth out of the conductor shoe and constructed based on correlation of MW-3B cores and soil and CPT borings previously conducted in the immediate vicinity.

3.1 PREFEILD ACTIVITIES

Before commencing field operations Delta obtained necessary access agreements and prepared a site-specific Health and Safety Plan in accordance with state and federal requirements for use during site assessment activities. In addition, drilling permits for the proposed groundwater monitoring wells were obtained from the Zone 7 Water Agency (Appendix C). Prior to drilling Underground Service Alert (USA North) was notified as required and a private utility locating service visited the site to clear the proposed boring locations for underground utilities (Appendix B). The proposed well abandonment, installation and boring locations were further cleared by air vacuum to avoid damage to possible underground utilities.

3.2 SCOPE OF FIELD ACTIVITIES

Field activities were commenced on June 8, 2009 and completed by June 25, 2009. Field work included setting six conductor casings through upper contaminated strata, coring to determine detailed stratigraphy, and setting wells based on core examination and correlation with previously conducted borings. No perched or upper water-bearing zones or separate aquifer sands were noted. First encountered water was found at 80 fbg at all cored locations. After well development water levels were noted to have raised to approximately 75 fbg. Based on field observations, i.e. the absence of a perched water zone or separated aquifer sands, MW-1, MW-2C, and MW-3 were installed as single well completions. Steel surface casings set in anticipation of multiple well nested completions were abandoned by filling the casings with grout to surface per Mr. Wyman Hong, Zone 7 Water Agency. MW-1 was replaced by MW-1B, MW-2B was replaced by MW-2C, and MW-3 was replaced by MW-3B. At the request of AECH one soil boring (SB-1) was advanced at assumed location of a former fuel oil tank (Figure 2) to a total depth of 45 fbg. Soil samples were collected from SB-1 at 5 foot intervals to total depth.

3.3 MONITORING WELL CONSTRUCTION

All wells were constructed (Figure 4) in a 8 inch auger boring of 2 inch ID PVC with 0.010 inch slotted screen with end cap and Loanstar #2/12 gravel pack (or equivalent) extending approximately 6 inches below the screen and one foot above the top of the screen. The gravel pack was emplaced via treme pipe or equivalent. Approximately two foot granular bentonite seal was placed on top of the gravel pack. The bentonite seal was hydrated with a minimum of two gallons of clean potable water prior to installation of the neat cement seal. The well was completed by installation of a neat cement seal to ground surface, a concrete sanitary seal, locking cap, and COP standard traffic rated water-resistant well-head vault. The monitoring well grout seal was allowed to cure for a minimum of 24 hours prior to well development. All monitoring wells were developed by gentle surging and pumping until developed water was observed to be clear. Water samples were not collected as part of this phase of investigation. Initial sampling of the wells will be conducted during the 3rd quarter of 2009 as part of normally scheduled quarter monitoring.

3.4 SOIL SAMPLING AND LABORATORY ANALYSIS

Soil samples were collected from MW-2C and SB-1. All soil samples were collected utilizing a California Modified Split Spoon sampler loaded with 2 inch by 6 inch pre-cleaned brass tubes. The ends of filled brass tubes were capped with Teflon® sheets, sealed with polyethylene end-caps and secured by duct tape. Each sample tube was affixed with a unique identification label and placed directly on water ice in a cooler pending delivery to the laboratory.

Based on PID readings, soil odor and soil color observed during drilling operations soil samples were collected from MW-2C commencing at 20 fbg to 45 fbg prior to installing the conductor. Soil samples collected from MW-2C were subject to analysis for Volatile Organic Compounds by EPA Method 8260, Semi-Volatile Organic Compounds by EPA Method 8270C, and Purgeable Aromatic and Total Petroleum Hydrocarbons (TPH) by EPA 8015 (LUFT/FFP) (Appendix D). With the exception of sample depth 25 fbg Benzene was detected at all sampled depths at concentrations ranging from 28 parts per million (ppm) at 30 fbg, to 0.05 ppm at 45 fbg generally decreasing in concentration with depth. With the exception of sample depth 25 fbg MTBE was detected at all sampled depths in concentrations ranging from 8.7 ppm at 30 fbg to 0.075 ppm at 45 fbg generally decreasing in concentration with depth. TPH as Gasoline was not detected at or above laboratory reporting limits from sampled depths. TPH as Kerosene was detected at two sampled depths at concentrations ranging from 93 ppm at 20 fbg to 1,800 ppm at 25 fbg. TPH as Diesel was detected at all sampled depths at concentrations ranging from 26 ppm at 20 fbg 15,000 ppm at 35 fbg.

Soil samples were collected from SB-1 at five foot intervals commencing at 5 fbg to 45 fbg. Soil samples collected from SB-1 were subject to analysis for Volatile Organic Compounds by EPA Method 8260 and Purgeable Aromatic and Total Petroleum Hydrocarbons (TPH) by EPA 8015 (LUFT/FFP) (Appendix D). With the exception of sample depths 5 fbg, 10 fbg and 15 fbg Benzene was detected at all sampled depths at concentrations ranging from 0.26 parts per million (ppm) at 20 fbg, to 3.6 ppm at 30 fbg. MTBE was not detected at any sampled depths with the exception of 15 fbg where it was

detected at 0.05 ppm. With the exception of 5 fbg and 15 fbg TPH as Gasoline was detected at all sampled depths in concentrations ranging from 1,400 ppm at 20 fbg to 6.5 ppm 10 fbg generally decreasing in concentration with depth. With the exception of 5 fbg and 15 fbg TPH as Fuel Oil #6 was detected at all sampled depths in concentrations ranging from 96 ppm at 10 fbg to 9,800 ppm at 40 fbg generally increasing in concentration with depth. TPH as Diesel was not detected at any sampled depths. Boring logs are provided as Appendix E.

3.5 GROUNDWATER SAMPLING AND LABORATORY ANALYSIS

Groundwater samples will be taken during the 3rd Quarter 2009 quarterly monitoring event. Groundwater samples will be analyzed for TPH (Gasoline), TPH (Diesel), TPH (Aviation Gas), TPH (Jet Fuel) and TPH (Fuel Oil) by EPA Method 8015 (LUFT/FFP). Analysis will also include benzene, toluene, ethylbenzene, xylenes, methyl tertiary butyl ether (MTBE), ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), tert butyl alcohol (TBA), ethylene dibromide (EDB), ethylene dichloride (EDC) and ethanol by EPA Method 8260.

3.6 SAMPLE POINT SURVEY

A survey of the three newly installed monitoring wells, as well as the soil boring was performed on July 8, 2009 by Morrow Surveying. The survey data will be submitted to appropriate agency's upon receipt.

3.7 DISPOSAL OF DRILL CUTTINGS AND WASTEWATER

Drill cuttings, purge and decontamination water generated during the sampling event were placed in properly labeled 55-gallon Department of Transportation (DOT) approved steel drums and temporarily stored on the property. Representative samples of drill cuttings and wastewater were collected and submitted under chain-of-custody (Appendix D) to a California-certified laboratory and analyzed for pre-disposal waste characterization profiling. Waste barrels are currently pending transportation and disposal at a ConocoPhillips (COP) approved facility by Belshire Environmental Services, Inc.

3.8 SUMMARY OF FINDINGS

It was the purpose of this phase of investigation to resolve the question of the presence of perched or multiple aquifer sands underlying the subject site that have been suggested in past reporting (Gettler-Ryan, 2000), specifically with regard to groundwater elevations historically reported in offsite wells MW-5, MW-6, MW-7 and MW-8. Table I below shows a comparison of groundwater msl elevations in these wells and on-site well MW-2B over the period of 6/26/98 to 6/15/05. Review of these data show msl groundwater elevations in MW-5 are, on average, 6 feet to approximately 13 feet higher that compared wells. These data lend support to the inferred presence of structural or stratigraphic discontinuities that might result in locally elevated groundwater elevations.

Table I
Comparison of MSL Groundwater Elevations (Ft.)
6/26/98 to 6/15/05

Well #	Average	Range	
		Max	Min
MW-5	295.35	300.02	291.06
MW-6	279.78	288.69	275.31
MW-7	287.96	296.68	284.47
MW-8	288.80	299.37	281.89
MW-2B	282.64	288.16	280.44

This and previous investigation has shown the site to be underlain by alluvial clays and silts interbedded with discontinuous sands and gravels that may be related or equivalent to the Pliocene and/or Pleistocene non-marine sedimentary Livermore Gravel of Diblee (1980). First encountered groundwater in MW-1A, MW-2C, and MW-3A was observed at 80 fbg, which rose to approximately 76 fbg after development indicating partially confined aquifer conditions. Geologic cross section A-A' from southwest to northeast was constructed from previous soil and CPT boring data and incorporates newly constructed MW-3B (Figure 5). Cross section A-A' shows strata gently dipping from south to north from surface to approximately 50 fbg at which depth an unconformity is inferred based on a change in stratigraphic dip along the section profile.

Also noted along the section A-A' profile are pronounced changes in depth to first encountered and static groundwater elevations. Groundwater elevations generally rise from approximately 270 feet above mean sea level (msl) in CPT-2 to MW-5 and then vary from approximately 305 feet above msl in MW-8 to approximately 298 feet msl in CPT-7. These observations, when taken in context with previous investigation, suggest complex interaction between confined and unconfined aquifer conditions, and stratigraphic and potential structural discontinuities.

Soil samples collected from MW-2C boring showed elevated concentrations of heavy hydrocarbons identified as Kerosene, Diesel and Hydraulic or Motor Oil. While Gasoline range hydrocarbons were not detected in the MW-2C boring, Gasoline range hydrocarbons have been detected in previous borings advanced in the immediate vicinity (Gettler-Ryan, B-11). While the source of the Gasoline range hydrocarbons appears to be from retail fuel dispensing operations, the source of the heavier Diesel/Kerosene range hydrocarbons is unknown. Review of documentation provided by ConocoPhillips indicate that neither Diesel, Kerosene nor Hydraulic Oil products have ever been stored, sold or used at this location.

In addition to re-building MW-1, MW-2B, and MW-3, one soil boring (SB-1) was advanced off site to 45 fbg at the assumed location of a former fuel oil tank (Figure 2). The predominant contaminants in this boring were identified as Gasoline and Fuel Oil #6 which were both found to be present at elevated concentrations to the total depth investigated.

4.0 RECOMMENDATIONS

A number of questions regarding the nature and distribution of hydrocarbon contamination at this site remain unresolved including;

- The source of heavier diesel/motor oil range hydrocarbon contamination.
- The nature of the stratigraphic or structural discontinuity inferred between the UST site and MW-5 as indicated by changes in observed groundwater elevations.
- The up-gradient extent of the groundwater contamination plume.

To address these questions the following actions are recommended:

- Schedule meeting with AECH to review project to date and discuss strategy for moving forward.
- Update a Site Conceptual Model (SCM) to summarize all previously conducted investigation and identify data gaps.
- Drill and construct one monitoring well southwest of MW-1B to establish up-gradient plume extent and background groundwater quality.
- Conduct a geophysical survey of the area between the current UST installation and MW-9 to determine the nature of the inferred structural or stratigraphic discontinuity.

5.0 REPORTING

Anticipated schedule of work includes:

- 3rd Q 09: Report of groundwater analysis as part of quarterly monitoring program, submittal of SCM and report of up-gradient monitoring well installation.
- Meeting with AECH
- Preparation of SCM pending AECH meeting and review of current site status.
- Preparation of workplan reflecting installation of up-gradient monitoring well and geophysical survey pending AECH meeting.

Following the meeting with AECH the proposed workplan and SCM will be prepared and submitted within 60 days. Required electronic submittals will be uploaded to the State Geotracker and Alameda County databases.

6.0 REMARKS

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report will be performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

If you have questions regarding this report, please contact John Reay at (916) 503-1260 or Terry Grayson at 916-558-7666.

Sincerely,

DELTA CONSULTANTS

TABLE II

Summary of Soil Analytical Results

MW-2C

76 Service Station No. 7376

4191 1st St

Pleasanton, CA

Contaminant	Sample Depth						Reporting Limit	Units
	20 fbg	25 fbg	30 fbg	35 fbg	40 fbg	45 fbg		
Benzene	**0.39**	ND	**28**	**19**	**0.056**	**0.05**	0.25	mg/Kg
Bromobenzene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Bromochloromethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Bromodichloromethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Bromoform	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Bromomethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
n-Butylbenzene	**1**	**5.3**	**3.7**	**1.4**	**0.01**	**0.032**	0.25	mg/Kg
sec-Butylbenzene	ND	ND	ND	**0.34**	ND	ND	0.25	mg/Kg
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Chlorobenzene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Chloroethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Chloroform	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Chloromethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
2-Chlorotoluene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
4-Chlorotoluene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Dibromochloromethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Dibromomethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg

TABLE II
Summary of Soil Analytical Results
MW-2C
76 Service Station No. 7376
4191 1st St
Pleasanton, CA

Contaminant	Sample Depth						Reporting Limit	Units
	20 fbg	25 fbg	30 fbg	35 fbg	40 fbg	45 fbg		
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Total 1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	0.5	mg/Kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Total 1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	0.5	mg/Kg
Ethylbenzene	**4.7**	**14**	**9.9**	**3.9**	**0.021**	**0.22**	0.25	mg/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Isopropylbenzene	ND	**0.52**	ND	ND	ND	**0.011**	0.25	mg/Kg
p-Isopropyltoluene	ND	**1.4**	ND	**0.57**	ND	ND	0.25	mg/Kg
Methylene chloride	ND	ND	ND	ND	ND	ND	0.5	mg/Kg
Methyl t-butyl ether	**0.48**	ND	**8.7**	**6.6**	**0.39**	**0.075**	0.25	mg/Kg
Naphthalene	**2.3**	**10**	**5.9**	**0.6**	**0.0074**	**0.026**	0.25	mg/Kg
n-Propylbenzene	**1.2**	**6.8**	ND	ND	ND	**0.064**	0.25	mg/Kg
Styrene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Tetrachloroethene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Toluene	ND	ND	**1.5**	**2.9**	**ND**	**0.017**	0.25	mg/Kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg

TABLE II
Summary of Soil Analytical Results
MW-2C
76 Service Station No. 7376
4191 1st St
Pleasanton, CA

Contaminant	Sample Depth						Reporting Limit	Units
	20 fbg	25 fbg	30 fbg	35 fbg	40 fbg	45 fbg		
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Trichloroethene	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
1,2,4-Trimethylbenzene	**11**	**39**	ND	**4.6**	ND	**0.072**	0.25	mg/Kg
1,3,5-Trimethylbenzene	ND	ND	ND	**0.65**	ND	ND	0.25	mg/Kg
Vinyl chloride	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Total Xylenes	**3.4**	**6.4**	**12**	**15**	ND	**0.082**	0.5	mg/Kg
t-Amyl Methyl ether	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
t-Butyl alcohol	ND	ND	ND	ND	**0.45**	**0.55**	2.5	mg/Kg
Diisopropyl ether	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Ethanol	ND	ND	ND	ND	ND	ND	50	mg/Kg
Ethyl t-butyl ether	ND	ND	ND	ND	ND	ND	0.25	mg/Kg
Total Purgeable Petroleum Hydrocarbons	**370**	**850**	**650**	**540**	**1.2**	**37**	50	mg/Kg
Acenaphthene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Acenaphthylene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Aldrin	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Aniline	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
Anthracene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Benzidine	ND	ND	ND	ND	ND	ND	3	mg/Kg
Benzo[a]anthracene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Benzo[b]fluoranthene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Benzo[k]fluoranthene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Benzo[a]pyrene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg

TABLE II
Summary of Soil Analytical Results
MW-2C
76 Service Station No. 7376
4191 1st St
Pleasanton, CA

Contaminant	Sample Depth						Reporting Limit	Units
	20 fbg	25 fbg	30 fbg	35 fbg	40 fbg	45 fbg		
Benzo[g,h,i]perylene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Benzoic acid	ND	ND	ND	ND	ND	ND	0.5	mg/Kg
Benzyl alcohol	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Benzyl butyl phthalate	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
alpha-BHC	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
beta-BHC	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
delta-BHC	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
gamma-BHC (Lindane)	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
bis(2-Chloroethyl) ether	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
4-Chloroaniline	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Chrysene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
4,4'-DDD	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
4,4'-DDE	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
4,4'-DDT	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Dibenzo[a,h]anthracene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Dibenzofuran	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	0.2	mg/Kg

TABLE II
Summary of Soil Analytical Results
MW-2C
76 Service Station No. 7376
4191 1st St
Pleasanton, CA

Contaminant	Sample Depth						Reporting Limit	Units
	20 fbg	25 fbg	30 fbg	35 fbg	40 fbg	45 fbg		
Dieldrin	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Diethyl phthalate	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Endosulfan I	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
Endosulfan II	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Endrin	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
Endrin aldehyde	ND	ND	ND	ND	ND	ND	0.5	mg/Kg
Fluoranthene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Fluorene	ND	ND	ND	**6.2**	ND	ND	0.1	mg/Kg
Heptachlor	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Hexachloroethane	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Indeno[1,2,3-cd]pyrene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Isophorone	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
2-Methylnaphthalene	**2.8**	**7.2**	ND	ND	ND	ND	0.1	mg/Kg
Naphthalene	**2**	**7.1**	ND	ND	ND	ND	0.1	mg/Kg
2-Naphthylamine	ND	ND	ND	ND	ND	ND	3	mg/Kg

TABLE II
Summary of Soil Analytical Results
MW-2C
76 Service Station No. 7376
4191 1st St
Pleasanton, CA

Contaminant	Sample Depth						Reporting Limit	Units
	20 fbg	25 fbg	30 fbg	35 fbg	40 fbg	45 fbg		
2-Nitroaniline	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
3-Nitroaniline	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
4-Nitroaniline	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
Nitrobenzene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
N-Nitrosodimethylamine	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
N-Nitrosodi-N-propylamine	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Phenanthrene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
Pyrene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
2-Chlorophenol	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	0.5	mg/Kg
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	0.5	mg/Kg
2-Methylphenol	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
3- & 4-Methylphenol	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
2-Nitrophenol	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
4-Nitrophenol	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
Pentachlorophenol	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
Phenol	ND	ND	ND	ND	ND	ND	0.1	mg/Kg
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	0.2	mg/Kg
TPH - Light Naptha	ND	ND	ND	ND	ND	ND	50	mg/Kg
TPH - Aviation Gas	ND	ND	ND	ND	ND	ND	50	mg/Kg

TABLE II
Summary of Soil Analytical Results
MW-2C
76 Service Station No. 7376
4191 1st St
Pleasanton, CA

Contaminant	Sample Depth						Reporting Limit	Units
	20 fbg	25 fbg	30 fbg	35 fbg	40 fbg	45 fbg		
TPH - Stoddard Solvent	ND	ND	ND	ND	ND	ND	20	mg/Kg
TPH - Heavy Naptha	ND	ND	ND	ND	ND	ND	10	mg/Kg
TPH - Gasoline	ND	ND	ND	ND	ND	ND	20	mg/Kg
TPH - Jet Fuel (JP4)	ND	ND	ND	ND	ND	ND	10	mg/Kg
TPH - Jet Fuel (JP5)	ND	ND	ND	ND	ND	ND	10	mg/Kg
TPH - Jet Fuel (JP8)	ND	ND	ND	ND	ND	ND	10	mg/Kg
TPH - Kerosene	**93**	**1800**	ND	ND	ND	ND	10	mg/Kg
TPH - Diesel (FFP)	**26**	**4500**	**1500**	**15000**	**53**	**1300**	10	mg/Kg
TPH - Fuel Oil #6	ND	ND	ND	ND	ND	ND	10	mg/Kg
TPH - Crude Oil	ND	ND	ND	ND	ND	ND	20	mg/Kg
TPH - Hydraulic Oil / Motor Oil	**30**	**4000**	**1100**	**11000**	**44**	**970**	20	mg/Kg
TPH - WD-40	ND	ND	ND	ND	ND	ND	10	mg/Kg

Table Notes:

fbg = feet below grade
mg/Kg = milligrams per kilograms

bold = concentration at or above reporting limit
ND = non-detect (below reporting limit)

TABLE III

Summary of Soil Analytical Results

SB-1

76 Service Station No. 7376

4191 1st St

Pleasanton, CA

Contaminant	Sample Depth									Reporting Limit	Units
	5fbg	10 fbg	15 fbg	20 fbg	25 fbg	30 fbg	35 fbg	40 fbg	45 fbg		
Benzene	ND	ND	ND	**0.26**	**1.6**	**3.6**	**0.64**	**1.1**	**3.2**	0.005	mg/kg
Ethylbenzene	ND	ND	**0.021**	**3**	**23**	**8.4**	**1.9**	**4.3**	**5.6**	0.005	mg/kg
Methyl t-butyl ether	ND	ND	0.05	ND	ND	ND	ND	ND	ND	0.005	mg/kg
Toluene	ND	ND	ND	ND	**0.48**	**0.44**	**ND**	**0.12**	**0.83**	0.005	mg/kg
Total Xylenes	ND	ND	**0.05**	**4.1**	**100**	**9.6**	**1.6**	**2.7**	**21**	0.01	mg/kg
t-Amyl Methyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	mg/kg
t-Butyl alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	mg/kg
Diisopropyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	mg/kg
Ethanol	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	mg/kg
Ethyl t-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	mg/kg
TPH - Aviation Gas	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	mg/kg
TPH - Jet Fuel (JP4)	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	mg/kg
TPH - Jet Fuel (JP5)	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	mg/kg
TPH - Jet Fuel (JP6)	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	mg/kg
TPH - Jet Fuel (JP8)	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	mg/kg
Gasoline Range Organics (C4 - C12)	ND	**6.5**	ND	**1400**	**230**	**1100**	**310**	**400**	**570**	1	mg/kg
TPH - Diesel (FFP)	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	mg/kg
TPH - Fuel Oil #6	ND	**96**	ND	**200**	**880**	**9700**	**1400**	**9800**	**2800**	10	mg/kg

Table Notes:

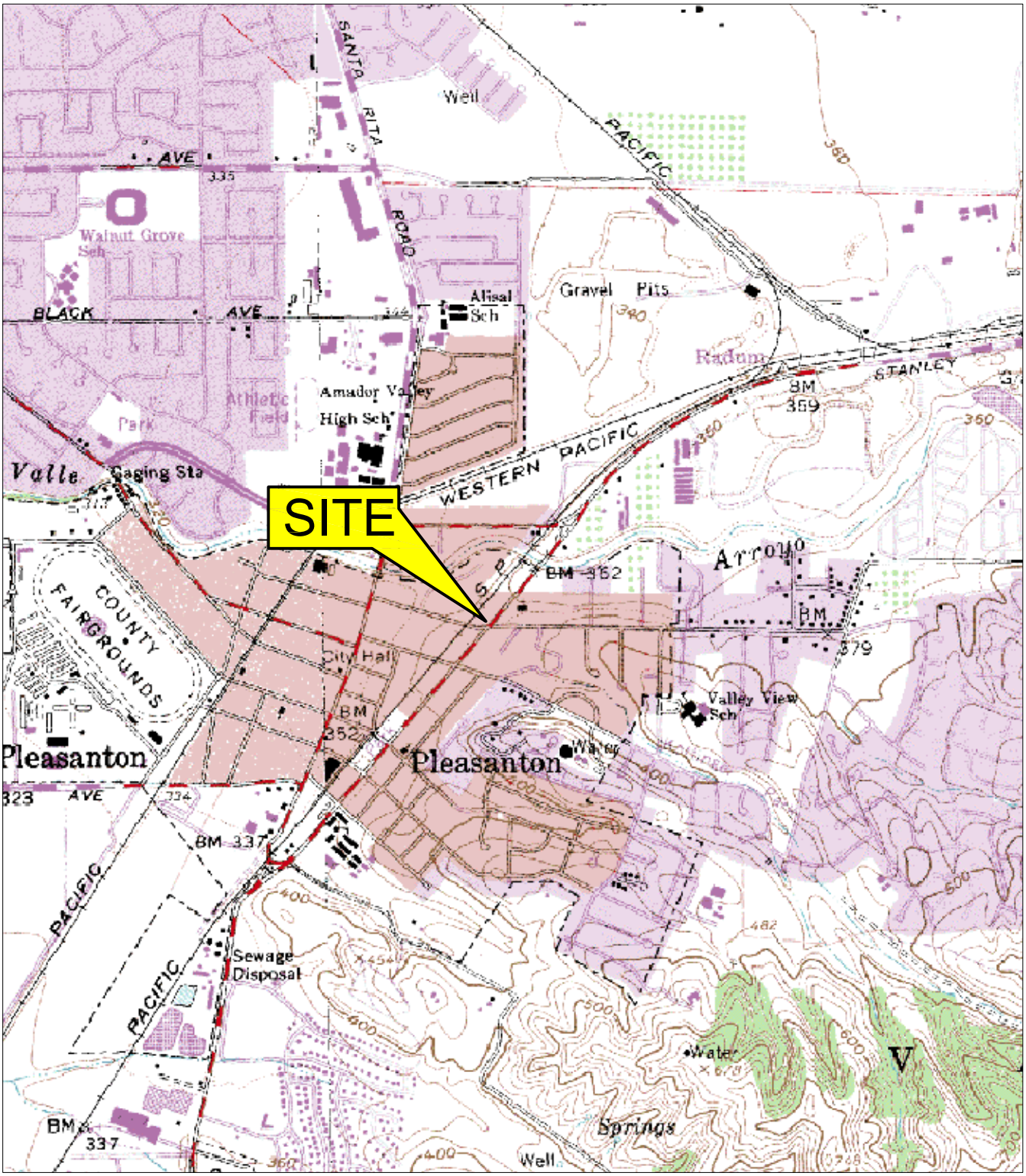
fbg = feet below grade

mg/Kg = milligrams per kilograms

bold = concentration at or above reporting limit

ND = non-detect (below reporting limit)

FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, LIVERMORE QUADRANGLE (1978)

FIGURE 1

SITE LOCATION MAP

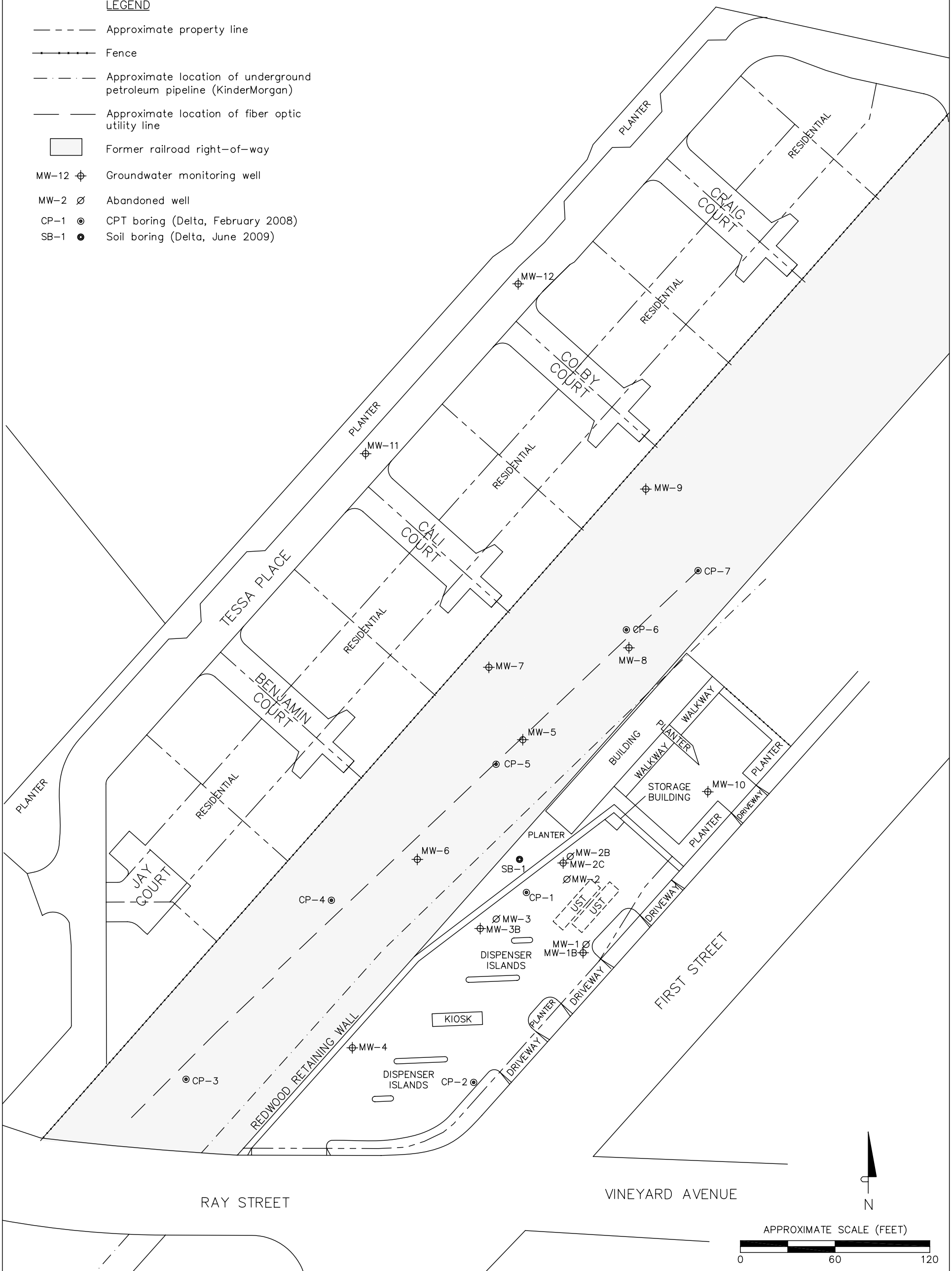
76 STATION NO. 7376
4191 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NO. C107376	DRAWN BY JH 03/28/08
FILE NO. 7376-SiteLocator	PREPARED BY LS
REVISION NO.	REVIEWED BY DD

DELTA

LEGEND

- Approximate property line
- Fence
- Approximate location of underground petroleum pipeline (KinderMorgan)
- Approximate location of fiber optic utility line
- Former railroad right-of-way
- MW-12 Groundwater monitoring well
- MW-2 Abandoned well
- CP-1 CPT boring (Delta, February 2008)
- SB-1 Soil boring (Delta, June 2009)



SOURCE: Site plan by TRC, 2008 and Gettler-Ryan, August 2000.

FIGURE 2
SITE PLAN

76 SERVICE STATION #7376
4191 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C107376	AB	JH
DATE	REVIEWED BY	FILE NAME
06/30/09	JR	76-7376

DELTA®

LEGEND

- Approximate property line
- Fence
- Approximate location of underground petroleum pipeline (KinderMorgan)
- Approximate location of fiber optic utility line
- Former railroad right-of-way
- MW-12 Groundwater monitoring well
- MW-2 Abandoned well
- CP-1 CPT boring (Delta, February 2008)
- B-8 Soil Boring (Gettler-Ryan, 1998-1999)
- B-1 Soil Boring (ENGEO, 1997)
- EB-1 Soil Boring (KEI, 1995)

PLANTER
RESIDENTIAL
CRAIG COURT
MW-12
B-6
COLBY COURT
B-5
MW-11
MW-9
CALI COURT
TESSA PLACE
CP-7
CP-6
MW-8
B-4
MW-7
BENJAMIN COURT
MW-5
B-3
CP-5
BUILDING
WALKWAY
STORAGE BUILDING
MW-10
DRIVEWAY
JAY COURT
MW-6
B-2
PLANTER
B-12
B-13
MW-2B
B-11
MW-2
CP-4
CP-1
B-10
MW-3
UST
DISPENSER ISLANDS
MW-1
B-9
KIOSK
MW-4
EB-1
CP-2
CP-3
B-8
REDWOOD RETAINING WALL
FIRST STREET
RAY STREET
VINEYARD AVENUE
N

APPROXIMATE SCALE (FEET)
0 60 120

SOURCE: Site plan by TRC, 2008 and Gettler-Ryan, August 2000.

FIGURE 3
SITE PLAN WITH HISTORIC BORING LOCATIONS

76 SERVICE STATION #7376
4191 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C107376	AB	JH
DATE	REVIEWED BY	FILE NAME
06/30/09	JR	76-7376

DELTA®

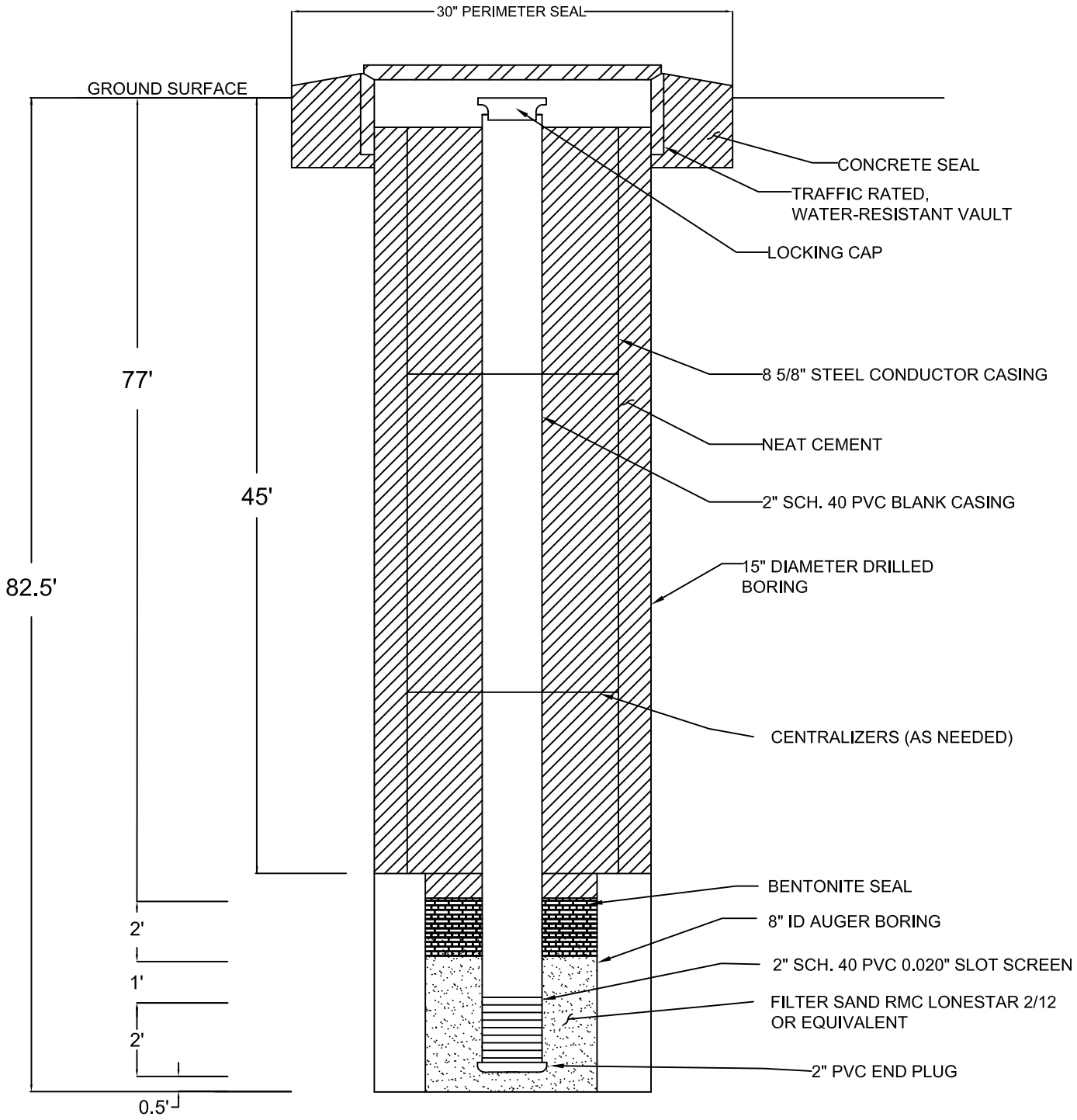


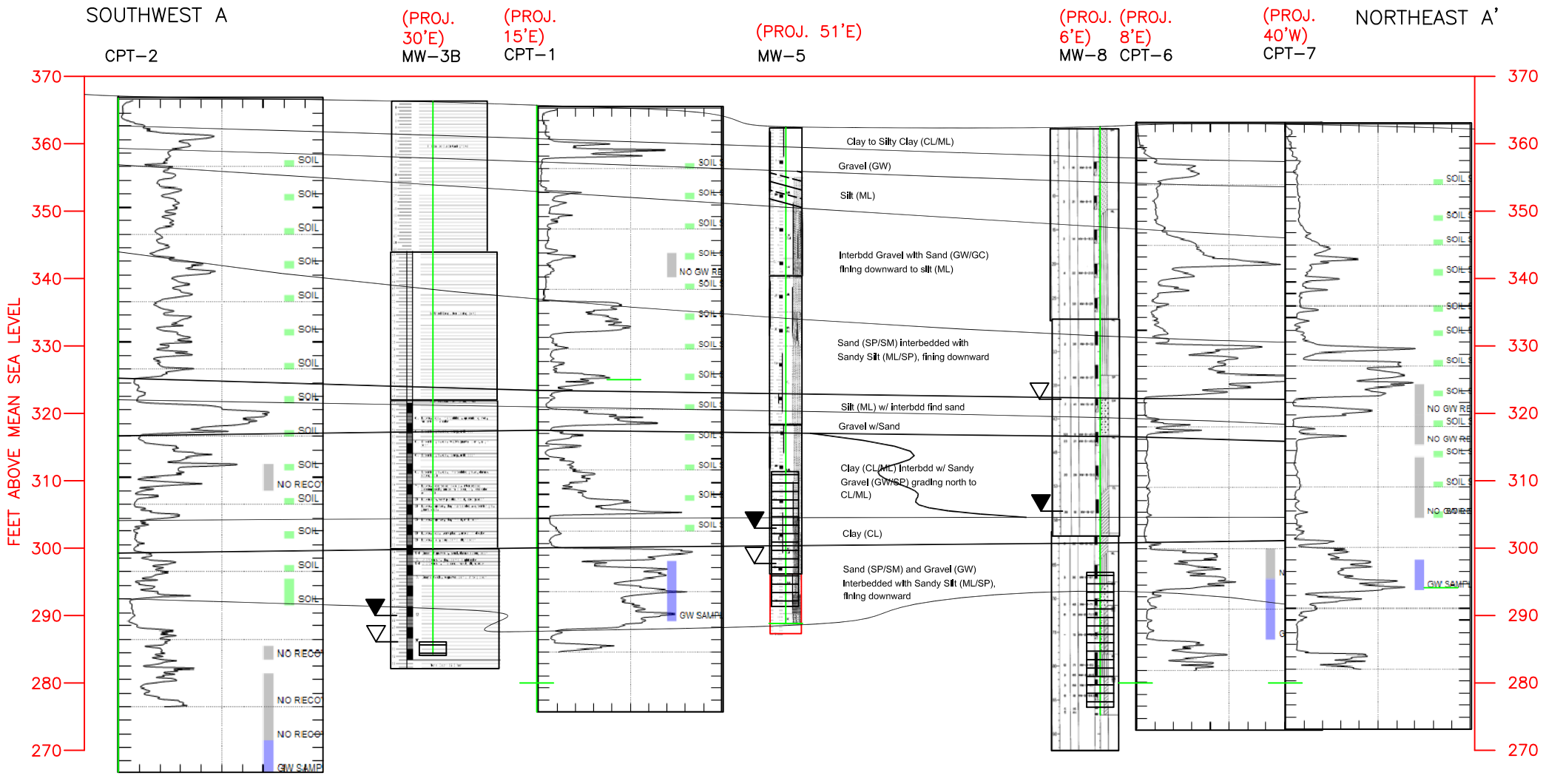
FIGURE 4

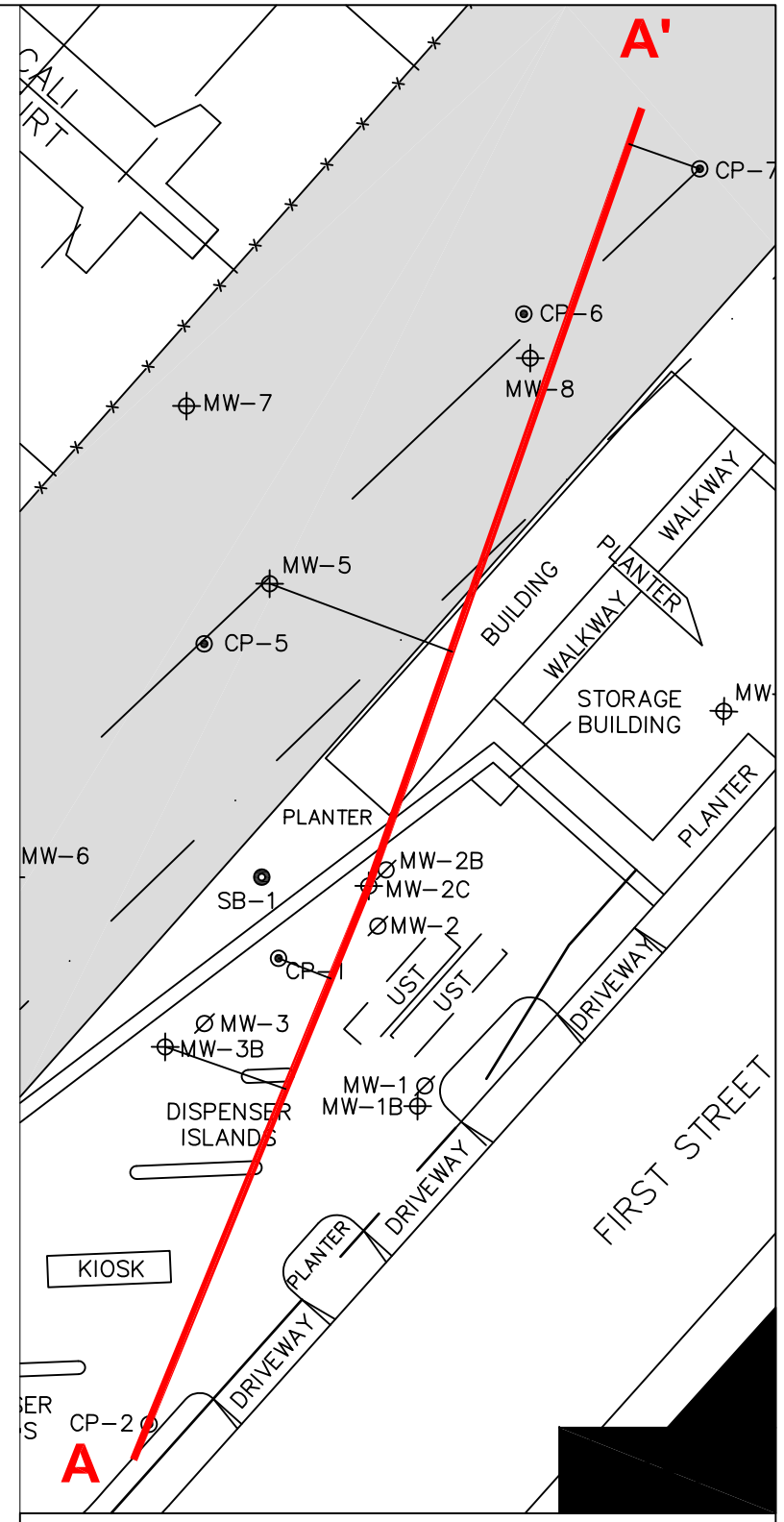
AS BUILT GROUNDWATER MONITORING
MW-1A, MW-2B, MW-3A WELL CONSTRUCTION DETAIL

76 STATION NO. 7376
4191 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NO. C107376	DRAWN BY JH 07/16/09
FILE NO. 7376-WELLDETAIL	PREPARED BY AB
REVISION NO.	REVIEWED BY JR

DELTA®





LEGEND

MW–9 MONITORING WELL/BORING NAME

WELL CASING/EXPLORATORY BORING

SOIL SAMPLE LOCATION

WELL SCREEN

DEPTH TO FIRST ENCOUNTERED GROUNDWATER

DEPTH TO STATIC GROUNDWATER

APPROXIMATE STRATIGRAPHIC BOUNDARY

0 20 40

SCALE IN FEET

NOTES:

1) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

FIGURE 5
GEOLOGIC CROSS SECTION A-A'

76 SERVICE STATION #7376
4191 FIRST STREET
PLEASANTON, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY	
DATE	REVIEWED BY	FILE NAME	DELTA®

APPENDIX A

ACHCSA Letter Dated 3/27/09

REQ FIELD WORK

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-93

March 27, 2009

Mr. Terry Grayson
ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

De L Liu and Na Li
922 Saddlehorn Court
Danville, CA 94506

Mr. Henry O. Armour
P.O. Box 2527
Olympia, WA 98507

CD & PWS Enterprises, Inc.
8998 Alcosta Boulevard
San Ramon, CA 94583

Subject: Fuel Leak Case No. RO0000361 and Geotracker Global ID T0600100101, Unocal #7376, 4191 First Street, Pleasanton, CA 94566 – Work Plan Approval

Dear Mr. Grayson:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the most recent document entitled, "*Work Plan for Replacement of Wells 1, 2B and 3, 76 Service Station #7376, RO# 361, 4191 First Street, Pleasanton, CA*," dated February 27, 2009. The Work Plan was prepared on behalf of ConocoPhillips by Delta Environmental. The Work Plan proposes decommissioning of existing long-screen wells MW-1, MW-2B, and MW-3 and installation of wells MW-1A, MW-1B, MW-2C, MW-2D, MW-3A, and MW-3B.

In correspondence dated July 30, 2008, ACEH requested that ConocoPhillips submit a Pilot Test Work Plan or Draft Corrective Action Plan by September 28, 2008 to begin site cleanup. Based on schedule extension requests from ConocoPhillips, the schedule for submittal of a Pilot Test Work Plan or Draft Corrective Action Plan was extended to March 1, 2009. On February 9, 2009 Jerry Wickham of ACEH met with Terry Grayson representing ConocoPhillips and John Reay of Delta Environmental regarding future work at the site. During the meeting, decommissioning of long-screen wells and installation of wells with appropriate screen intervals was discussed in order to acquire additional information on hydraulic gradient and the lateral and vertical extent of groundwater contamination. This information is to be used in planning and implementing site cleanup.

The proposed scope of work for well installation and sampling is generally acceptable provided that the modifications requested in the technical comments below are addressed and incorporated during the field investigation. Submittal of a revised Work Plan is not required unless an alternate scope of work outside that described in the Work Plan and technical comments below is proposed. We request that you also incorporate the additional investigation described in technical comment 1 in the area of a former Bunker fuel tank.

BUNKER TANK

We request that you address the technical comments below, perform the proposed work, and send us the reports requested below.

TECHNICAL COMMENTS

1. **Former Bunker Fuel Tank.** In correspondence dated March 21, 2008 and July 30, 2008, we requested that you review the relevant investigation data regarding the former bunker fuel tank and propose investigation activities to evaluate whether a tank may still be in place and whether long chain hydrocarbon contamination is present near the former location of the bunker fuel tank. During the February 9, 2009 meeting, Delta Environmental provided a map entitled, "Site Plan with 1907 Sanborn Map." The map showed the projected location of a former bunker fuel tank based on a 1907 Sanborn map. On the map provided by Delta Environmental, the projected location of the former bunker tank is approximately 10 to 15 feet northwest of the northern boundary of the site. However, a linear feature taken from the Sanborn map that appears to be the property boundary is offset approximately 10 feet northwest from the current property boundary. If the map locations of the property boundaries are shifted back to be coincident, the former location of the bunker fuel tank appears to be along the northern boundary of the site, roughly 10 feet north of boring CP-1. Elevated concentrations of TPH as diesel were detected in soil samples collected from boring CP-1. However, no analyses for hydrocarbons in the fractions heavier than TPH as diesel were performed on the soil samples from CP-1. In order to evaluate the detections of heavier hydrocarbons in shallow soil in this area, we request that you advance one soil boring to a depth of 40 feet bgs at a location approximately 10 feet north of CP-1 along the property boundary. Prior to advancing the boring, we request that you perform a geophysical survey to verify that the tank is no longer present. The soil boring is to be sampled continuously in the field for logging and screening as the boring is advanced. Field screening is to be conducted by a qualified field geologist using visual observations, odor, and measurements using a field photoionization detector (PID) fitted with an appropriate lamp and calibrated for the chemicals of concern. Soil samples are to be extracted from the continuous cores at frequent intervals and placed in sealed jars or plastic bags for measurement and recording of VOC concentrations in the headspace using the PID. Soil samples are to be collected for laboratory analysis from zones where visible staining, odor, or elevated PID readings are observed. If visible staining, odor, or elevated PID readings are not observed, soil samples are to be collected for laboratory analysis at minimum intervals of 5 feet. The soil samples are to be analyzed for TPH as gasoline, TPH as diesel, and TPH as bunker oil using EPA Method 8015M and BTEX and fuel oxygenates using EPA Method 8260. Please present the results in the Well Installation and Sampling Report requested below.

2. **Monitoring Well Construction.** Please include a table of well construction details in the Well Installation and Sampling Report requested below. For all monitoring wells on and off-site, the well construction table is to describe the well diameter, screen slot size, total depth of the boring, depths of the screened interval, depths of the filter pack, and other well construction details that may be relevant. Please show the screen intervals for all monitoring wells on the hydrogeologic cross sections requested in technical comment 4.

AS BUILT

3. **Well Survey.** The "*Soil and Groundwater Investigation Report – May 15, 2008*," refers to a well survey conducted in January 1988; however, the locations of nearby wells are not shown. Please complete an updated, detailed well survey to locate all water supply wells within 2,000 ft of the

subject site. Submittal of maps showing the location of all wells identified in your study, and the use of tables to report the data, including well construction details, collected as part of your survey are required. Well construction details are to include the well diameter, screen slot size, total depth of the boring, depths of the screened interval, depths of the filter pack, year of installation, and other construction details that may be relevant. The status of the water supply well, whether active, decommissioned, or unknown is to be included where known. Please present the results in the Well Installation and Sampling Report requested below.

4. **Hydrogeologic Cross Sections.** Detailed hydrogeologic cross sections were presented in a previous report for the site entitled, "*Off-Site Subsurface Investigation Report*," dated March 20, 2002 and prepared by Gettler-Ryan, Inc. We request that you review the previous cross sections and prepare updated cross sections incorporating data from the more recent soil borings and monitoring wells. Please present the updated cross sections in the Well Installation and Sampling Report requested below.

COPY TO TERRY

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **July 23, 2009** – Well Installation and Sampling Report
- **35 days following end of each quarter** – Groundwater Monitoring Reports

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in Geotracker (in

PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at 510-567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Cheryl Dizon, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street Pleasanton, CA 94566

Les Hausrath, Wendel, Rosen, Black & Dean, 1111 Broadway, 24th Floor, Oakland, CA 94607

Rory MacNeil, Alameda County Public Works, 399 Elmhurst Street, Hayward, CA 94544-1307

John Reay, Delta Environmental Consultants, Inc., 11050 White Rock Road, Suite 110, Rancho Cordova, CA 95670

Donna Drogos, ACEH
Jerry Wickham, ACEH
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	ISSUE DATE: July 5, 2005
	REVISION DATE: December 16, 2005
	PREVIOUS REVISIONS: October 31, 2005
ECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

ffective **January 31, 2006**, the Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require ubmission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. ne electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and ompliance/enforcement activities.

EQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

dditional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

ubmission Instructions

) Obtain User Name and Password:
  a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
    i) Send an e-mail to dehloptoxic@acgov.org
    or
    ii) Send a fax on company letterhead to (510) 337-9335, to the attention of Alicia Lam-Finneke.
  b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for.**

!) Upload Files to the ftp Site
  a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
    (i) Note: Netscape and Firefox browsers will not open the FTP site.
  b) Click on File, then on Login As.
  c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
  d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
  e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
  a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
  b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name at acgov.org. (e.g., firstname.lastname@acgov.org)
  c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload)

APPENDIX B

Cruz Brothers Locators, Inc Record of Geophysical Survey

CRUZ BROTHERS LOCATORS, INC.

JOB#: 19601

P.O.Box 66768
Scotts Valley, CA 95067

(831) 461-1468 Dispatch
(831) 461-1470 Fax

INVOICE AGREEMENT

This agreement is made between Cruz Brothers Locators hereinafter referred to as "C.B.L." and the undersigned client.

Requestor: JOHN PERRY Company: Delta Consultants

Billing Address: Phone: 916-503-1260

C.B.L. agrees to perform the following scope of work for the above mentioned client. In consideration of said scope of work the client agrees to pay C.B.L. the sum of $ 165 per hr. Note that there is a minimum charge of two hours and is incurred upon office departure to office return. Additional material expenses will be added to that amount. The client also agrees to compensate C.B.L. in the event it is proven that the problem noted in the scope of work does not exist such as a proven pressure test indicating no water or gas leak where one was believed to be. C.B.L. will not be held liable for any actions taken by any other person performing work after C.B.L.'s findings or recommendations. In any event that it is determined C.B.L. is liable for its actions the liability shall be limited to the amount of its fee. The surveying of existing utility lines are only guaranteed for utilities located and marked. Some utilities are undetectable. The final proof of location of leak or utility line requires a small excavation from the surface called a "pothole". The property owner or construction contractor performs this work according to California State Law. For all excavation call USA 48 hr.s ahead, 1-800-227-2600 to be safe. Please approve and forward this invoice to your A/P department. Payment is due upon receipt unless other arrangements have been made. Initials: _____

Job Name: 76 Station #7376 PO/Proj:

Job Address: 4191 First City: PLEASANTON

Contact Person: ALLEN Builen Phone #: 916-233-5039

Service & Scope of work: Utility Survey

Date: 5/1/09 Start: 11:30 End: 2:30 Total Hrs: 3 Charges: 495

Expense/Credit: Total: 0

Authorizing Signature: Total Due: 495

Results: Technician: JAMES

Elect Red: USED 6PR TO LOCATE U.G. STORAGE TANK.
NO SIGN OF U.G. STORAGE TANK FOUND.

Gas Yellow

Comm/TV Orange

Water Blue

Sewer/Drain Green

Other Pink/Purple

Job Complete: 5/1/09 Return Trip Advised: On Going:

Utility Location ★ Leak Detection ★ Video Inspection ★ Vacuum Extraction

APPENDIX C

Zone 7 Water Agency Permits

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, ZONE 7
100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551-9486 • PHONE (925) 454-5000

June 1, 2009

Mr. Alan Buehler
Delta Consultants
11050 White Rock Road, Suite 110
Rancho Cordova, CA 95670

Dear Mr. Buehler:

Enclosed is drilling permit 29031 for the destruction of monitoring wells 3S/1E-21C8 (MW-1), 3S/1E-21C9 (MW-3) and 3S/1E-21C11 (MW-2B) at 4191 First Street in Pleasanton for ConocoPhillips. Also enclosed is a current drilling permit application for your files. Drilling permit applications for future projects can also be downloaded from our web site (www.zone7water.com).

Please note that permit condition A-2 requires that a well destruction report (DWR Form 188) be signed by the driller and submitted after completion of the work. The report should include destruction log, the method and materials used to destroy the well, location sketch, date of destruction, and permit number. Please submit the original of your well destruction report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 5056 or Matt Katen at extension 5071.

Sincerely,

Wyman Hong

Wyman Hong
Water Resources Specialist

Enc.

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 4191 1ST St
Pleasanton, CA 94566

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: 37°39'48.54" N ft. LONG: 121° 52' 11.86" W ft
APN _____

CLIENT
Name Terry Grayson (ConocoPhillips)
Address 76 Broadway Phone 916-558-7666
City Sacramento Zip 95818

APPLICANT
Name Alan Buehler (Delta Consultants
Email abuehler@deltaenv.com Fax _____
Address 1105 White Rock Rd Phone 916-503-1273
City ~~Sacramento~~ Rancho Cordova Zip 95670

TYPE OF PROJECT:

Well Construction	☐	Geotechnical Investigation	☐
Well Destruction	☒	Contamination Investigation	☐
Cathodic Protection	☐	Other _____	☐

PROPOSED WELL USE:

Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☐
Dewatering	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☒
Cable Tool	☐	Direct Push	☐	Other _____	☐

DRILLING COMPANY Cascade Drilling

DRILLER'S LICENSE NO. C57932633

WELL SPECIFICATIONS:
Drill Hole Diameter 10 in. Maximum
Casing Diameter 2 in. Depth 90 ft.
Surface Seal Depth 60 ft. Number 3

SOIL BORINGS:
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft

ESTIMATED STARTING DATE 6/8/09
ESTIMATED COMPLETION DATE 6/19/09

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] Date 5/27/09

Alan Buehler

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 29031
WELL NUMBER 3S/1E-21C8, 21C9 & 21C11
APN 094-0110-012-04

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller**.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E CATHODIC. Fill hole above anode zone with concrete placed by tremie.

(F.) WELL DESTRUCTION. See attached.

G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved [signature] Date 5/27/09
Wyman Hong

Revised: April 23, 2008

June 1, 2009

Zone 7
Water Resources Engineering
Groundwater Protection Ordinance

ConocoPhillips
4191 First Street
Pleasanton
Wells 3S/1E-21C8 (MW-1), 3S/1E-21C9 (MW-3) and 3S/1E-21C11 (MW-2B)
Permit 29031

Destruction Requirements:

1. Sound the well as deeply as practicable and record for your report.

2. Drill out the well so that the casing, seal, and gravel pack are removed to the bottom of the well.

3. Fill the remaining hole to grade or original ground, whichever is the lower elevation, with neat cement sealing material, using a tremmie pipe.

ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, ZONE 7
100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551-9486 • PHONE (925) 454-5000

June 1, 2009

Mr. Alan Buehler
Delta Consultants
11050 White Rock Road, Suite 110
Rancho Cordova, CA 95670

Dear Mr. Buehler:

Enclosed is drilling permit 29030 for monitoring well construction project at 4191 First Street in Pleasanton for ConocoPhillips. Also enclosed is a current drilling permit application for your files. Drilling permit applications for future projects can also be downloaded from our web site at www.zone7water.com.

Please note that permit conditions A-2 requires that a well construction report be submitted after completion of the work. The report must be completed on Department of Water Resources form 188. Please submit the original of your completion report signed by the driller. Also include a copy of any analysis of the soil and water samples. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 5056 or Matt Katen at extension 5071.

Sincerely,

Wyman Hong

Wyman Hong
Water Resources Specialist

Enc.

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 4191 1ST St
Pleasanton, CA 94566

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: 37° 39' 48.54" N ft. LONG: 121° 52' 11.86" W ft.
APN _____

CLIENT
Name Terry Grayson (ConocoPhillips)
Address 76 Broadway Phone 916-558-7666
City Sacramento Zip 95818

APPLICANT
Name Alan Buehler (Delta Consultants)
Email abuehler@deltaenv.com Fax _____
Address 11050 White Rock Rd Phone _____
City Rancho Cordova Zip 95670

TYPE OF PROJECT:

Well Construction	☒	Geotechnical Investigation	☐
Well Destruction	☐	Contamination Investigation	☐
Cathodic Protection	☐	Other _____	☐

PROPOSED WELL USE:

Domestic	☐	Irrigation	☐
Municipal	☐	Remediation	☐
Industrial	☐	Groundwater Monitoring	☒
Dewatering	☐	Other _____	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Hollow Stem Auger	☒
Cable Tool	☐	Direct Push	☐	Other _____	☐

DRILLING COMPANY Cascade Drilling
DRILLER'S LICENSE NO. C57932633
WELL SPECIFICATIONS:
Drill Hole Diameter 10 in. Maximum
Casing Diameter 2 in. Depth 75 ft.
Surface Seal Depth 45 ft. Number 6

SOIL BORINGS:
Number of Borings _____ Maximum
Hole Diameter _____ in. Depth _____ ft.

ESTIMATED STARTING DATE 6/8/09
ESTIMATED COMPLETION DATE 6/19/09

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] Date 5/27/09
Alan Buehler

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 29030
WELL NUMBER 3S/1E-21C36 to 21C41
APN 094-0110-012-04

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.**
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

(C.) GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved [signature] Wyman Hong Date 5/27/09

Revised: April 23, 2008

APPENDIX D

Laboratory Analytical Results, Chain-of Custody Documents

BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE:
BCL QUOTE ID:

Page ____ of ____

Report To:	
Client:	Project #:
Attn:	Project Name:
Street Address:	Global ID #:
City, State, Zip:	Sampler(s):
Phone: Fax:	
Email Address:	
Work Order #:	

Analysis Requested

Please refer to the back of this page for completion instructions and method legend.

Comments:

Sample #	Description	Date Sampled	Time Sampled	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*
	Soil 3 day turnaround									
	Soil 3 day turnaround									

Are there any tests with holding times less than or equal to 48 hours?
☐ Yes ☐ No

* Standard Turnaround = 10 work days

Notes

Billing ☐ Same as above

Client: _____

Address: _____

City: _____ State _____ Zip _____

Attn: _____

PO#: _____

Report Drinking Waters on State Form? ☐ Yes ☐ No

Send Copy to State of CA? ☐ Yes ☐ No

Sample Disposal
☐ Return to Client ☐ Disposal by lab ☐ Archive: Months _____

Special Reporting
☐ QC ☐ EDF ☐ Raw Data

	Date	Time		Date	Time
1. Relinquished By	6/12/09	1420	1. Received By	6/12/09	1420
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE:
BCL QUOTE ID:

Page ____ of ____

Report To: Client: Delta	Project #: 1107376
Attn: Alan Buehler	Project Name: 7376 Pleasanton
Street Address: 110 South Hickory Rock suite 110	Global ID #:
City, State, Zip: Livermore CA	Sampler(s): Alan Buehler
Phone: 714-233-5037 Fax:	
Email Address: abuehler@deltaenv.com	
Work Order #: PO# 4511814991	

Analysis Requested

Please refer to the back of this page for completion instructions and method legend.

Sample #	Description	Date Sampled	Time Sampled	TPH-G 8015	TPH-D 8015	Bunker oil 8015	BTEX 8260	OXYS 8260	Sample Matrix: Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*
SB1 @5	soil	6/18/09	12:30	X	X		X	X							
SB1 @10	soil		12:41	X	X		X	X							
SB1 @15			12:46	X	X		X	X							
SB1 @20			12:57	X	X		X	X							
SB1 @25			12:58	X	X		X	X							
SB1 @30			1:03	X	X		X	X							
SB1 @35			1:12	X	X		X	X							
SB1 @40			1:19	X	X		X	X							
SB1 @45			1:22	X	X		X	X							

Are there any tests with holding times less than or equal to 48 hours?
☐ Yes ☒ No

* Standard Turnaround = 10 work days

Comments:

Notes

Billing

☒ Same as above

Client: ____

Address: ____

City: ____ State ____ Zip ____

Attn: ____

PO#: ____

Report Drinking Waters on State Form? ☐ Yes ☐ No

Send Copy to State of CA? ☐ Yes ☐ No

Sample Disposal: ☐ Return to Client ☐ Disposal by lab ☐ Archive: Months____

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	6/19/09	11:35	[signature]	6/22/09	1250
2.						
3.						

BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE: BCL QUOTE ID:

Page _____ of _____

Report To: **Client:** Delta	**Project #:** C107 37 C220
Attn: Alan Buehler	**Project Name:** 7376 Pleasanton
Street Address: [illegible] Suite 110	**Global ID #:**
City, State, Zip: Rancho Cordova, CA	**Sampler(s):**
Phone: [illegible] **Fax:** 916-638-[illegible]	
Email Address: abuehler@deltaenv.com	
Work Order #:	

Analysis Requested

Please refer to the back of this page for completion instructions and method legend.

Comments:

Sample #	Description	Date Sampled	Time Sampled	TPH G	MTBE	BTEX	Total lead							Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
Comp. 4e	[illegible]	6/25/09	7:33	x	x	x	x														
	~3 day turnaround~																				

Sample Matrix

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☐ No

* Standard Turnaround = 10 work days

Billing ☒ Same as above

Client: __________

Address: __________

City: ________ State ____ Zip ____

Attn: __________

PO#:

Report Drinking Waters on State Form? ☐ Yes ☐ No

Send Copy to State of CA? ☐ Yes ☐ No

Sample Disposal ☐ Return to Client ☐ Disposal by lab ☐ Archive: Months ____

Special Reporting ☐ QC ☐ EDF ☐ Raw Data

Relinquished By	Date	Time	Received By	Date	Time
1. [illegible]	[illegible]	[illegible]	1. Ross Dickey	6/26/09	1111
2.			2.		
3.			3.		

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 07/09/2009

John Reay

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

RE: 7376
BC Work Order: 0908152
Invoice ID: B064735

Enclosed are the results of analyses for samples received by the laboratory on 6/22/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0908152-01	**COC Number:**	---	**Receive Date:**	06/22/2009 21:03	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/18/2009 12:36	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): SB1
	Sampling Point:	SB1@5	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0908152-02	**COC Number:**	---	**Receive Date:**	06/22/2009 21:03	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/18/2009 12:41	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): SB1
	Sampling Point:	SB1@10	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0908152-03	**COC Number:**	---	**Receive Date:**	06/22/2009 21:03	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/18/2009 12:46	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): SB1
	Sampling Point:	SB1@15	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0908152-04	**COC Number:**	---	**Receive Date:**	06/22/2009 21:03	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/18/2009 12:52	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): SB1
	Sampling Point:	SB1@20	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:

Delta Environmental Consultants, Inc.	Project: 7376	**Reported:** 07/09/2009 16:26
11050 White Rock Rd, Suite 110	Project Number: 4511814991	
Rancho Cordova, CA 95670	Project Manager: John Reay	

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0908152-05	**COC Number:**	---	**Receive Date:**	06/22/2009 21:03	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/18/2009 12:58	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): SB1
	Sampling Point:	SB1@25	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0908152-06	**COC Number:**	---	**Receive Date:**	06/22/2009 21:03	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/18/2009 01:03	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): SB1
	Sampling Point:	SB1@30	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0908152-07	**COC Number:**	---	**Receive Date:**	06/22/2009 21:03	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/18/2009 01:12	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): SB1
	Sampling Point:	SB1@35	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0908152-08	**COC Number:**	---	**Receive Date:**	06/22/2009 21:03	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/18/2009 01:18	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): SB1
	Sampling Point:	SB1@40	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information

0908152-09

COC Number:	---	**Receive Date:**	06/22/2009 21:03	Delivery Work Order:	
Project Number:	7376	**Sampling Date:**	06/18/2009 01:22	Global ID:	
Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint):	SB1
Sampling Point:	SB1@45	**Sample Matrix:**	Solids	Matrix:	SO
Sampled By:	DECR			Sample QC Type (SACode):	CS
				Cooler ID:	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908152-01 | **Client Sample Name:** 7376, SB1@5, 6/18/2009 12:36:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
Toluene	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
Total Xylenes	ND	mg/kg	0.010		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
Ethanol	ND	mg/kg	1.0		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506	ND	
1,2-Dichloroethane-d4 (Surrogate)	97.9	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506		
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506		
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 00:39	ADC	MS-V2	1	BSF1506		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0908152-01 | **Client Sample Name:** 7376, SB1@5, 6/18/2009 12:36:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0		Luft	06/19/09	06/23/09 12:25	JJH	GC-V8	1	BSF1065	ND	
TPH - Diesel (FFP)	ND	mg/kg	10		Luft/FFP	06/26/09	07/03/09 07:31	CKD	GC-2	0.984	BSF1928	ND	
TPH - Fuel Oil #6	ND	mg/kg	10		Luft/FFP	06/26/09	07/03/09 07:31	CKD	GC-2	0.984	BSF1928	ND	
Tetracosane (Surrogate)	107	%	20 - 145 (LCL - UCL)		Luft/FFP	06/26/09	07/03/09 07:31	CKD	GC-2	0.984	BSF1928		
a,a,a-Trifluorotoluene (FID Surrogate)	95.5	%	70 - 130 (LCL - UCL)		Luft	06/19/09	06/23/09 12:25	JJH	GC-V8	1	BSF1065		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908152-02 | **Client Sample Name:** 7376, SB1@10, 6/18/2009 12:41:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
Ethylbenzene	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
Toluene	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
Total Xylenes	ND	mg/kg	0.010		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
Ethanol	ND	mg/kg	1.0		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506	ND	
1,2-Dichloroethane-d4 (Surrogate)	99.5	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506		
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506		
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 01:05	ADC	MS-V2	1	BSF1506		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0908152-02 | **Client Sample Name:** 7376, SB1@10, 6/18/2009 12:41:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Aviation Gas	ND	mg/kg	50		Luft/FFP	06/26/09	07/08/09 16:31	CKD	GC-13	0.993	BSF1928		
TPH - Jet Fuel (JP4)	ND	mg/kg	10		Luft/FFP	06/26/09	07/08/09 16:31	CKD	GC-13	0.993	BSF1928		
TPH - Jet Fuel (JP5)	ND	mg/kg	10		Luft/FFP	06/26/09	07/08/09 16:31	CKD	GC-13	0.993	BSF1928		
TPH - Jet Fuel (JP6)	ND	mg/kg	10		Luft/FFP	06/26/09	07/08/09 16:31	CKD	GC-13	0.993	BSF1928		
TPH - Jet Fuel (JP8)	ND	mg/kg	10		Luft/FFP	06/26/09	07/08/09 16:31	CKD	GC-13	0.993	BSF1928	ND	
Gasoline Range Organics (C4 - C12)	**6.5**	**mg/kg**	**1.0**		**Luft**	**06/19/09**	**06/23/09 12:56**	**JJH**	**GC-V8**	**1**	**BSF1065**	**ND**	
TPH - Diesel (FFP)	ND	mg/kg	10		Luft/FFP	06/26/09	07/08/09 16:31	CKD	GC-13	0.993	BSF1928	ND	
TPH - Fuel Oil #6	**96**	**mg/kg**	**10**		**Luft/FFP**	**06/26/09**	**07/08/09 16:31**	**CKD**	**GC-13**	**0.993**	**BSF1928**		
Tetracosane (Surrogate)	115	%	20 - 145 (LCL - UCL)		Luft/FFP	06/26/09	07/08/09 16:31	CKD	GC-13	0.993	BSF1928		
a,a,a-Trifluorotoluene (FID Surrogate)	99.0	%	70 - 130 (LCL - UCL)		Luft	06/19/09	06/23/09 12:56	JJH	GC-V8	1	BSF1065		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908152-03 | **Client Sample Name:** 7376, SB1@15, 6/18/2009 12:46:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506	ND	
Ethylbenzene	**0.021**	**mg/kg**	**0.0050**		**EPA-8260**	**06/23/09**	**06/24/09 01:31**	**ADC**	**MS-V2**	**1**	**BSF1506**	**ND**	
Methyl t-butyl ether	**0.050**	**mg/kg**	**0.0050**		**EPA-8260**	**06/23/09**	**06/24/09 01:31**	**ADC**	**MS-V2**	**1**	**BSF1506**	**ND**	
Toluene	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506	ND	
Total Xylenes	**0.050**	**mg/kg**	**0.010**		**EPA-8260**	**06/23/09**	**06/24/09 01:31**	**ADC**	**MS-V2**	**1**	**BSF1506**	**ND**	
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506	ND	
t-Butyl alcohol	ND	mg/kg	0.050		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506	ND	
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506	ND	
Ethanol	ND	mg/kg	1.0		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506		
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506		
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 01:31	ADC	MS-V2	1	BSF1506		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0908152-03 | **Client Sample Name:** 7376, SB1@15, 6/18/2009 12:46:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0		Luft	06/18/09	06/24/09 17:49	JJH	GC-V8	1	BSF1179	ND	
TPH - Diesel (FFP)	ND	mg/kg	10		Luft/FFP	06/26/09	07/03/09 08:17	CKD	GC-2	0.997	BSF1928	ND	
TPH - Fuel Oil #6	ND	mg/kg	10		Luft/FFP	06/26/09	07/03/09 08:17	CKD	GC-2	0.997	BSF1928	ND	
Tetracosane (Surrogate)	126	%	20 - 145 (LCL - UCL)		Luft/FFP	06/26/09	07/03/09 08:17	CKD	GC-2	0.997	BSF1928		
a,a,a-Trifluorotoluene (FID Surrogate)	95.8	%	70 - 130 (LCL - UCL)		Luft	06/18/09	06/24/09 17:49	JJH	GC-V8	1	BSF1179		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908152-04 | **Client Sample Name:** 7376, SB1@20, 6/18/2009 12:52:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**0.26**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 12:02**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Ethylbenzene	**3.0**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 12:02**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Methyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506	ND	A01
Toluene	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506	ND	A01
Total Xylenes	**4.1**	**mg/kg**	**0.25**		**EPA-8260**	**06/23/09**	**06/24/09 12:02**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506	ND	A01
t-Butyl alcohol	ND	mg/kg	1.2		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506	ND	A01
Diisopropyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506	ND	A01
Ethanol	ND	mg/kg	25		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506	ND	A01
Ethyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	103	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506		
Toluene-d8 (Surrogate)	105	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506		
4-Bromofluorobenzene (Surrogate)	116	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 12:02	ADC	MS-V2	25	BSF1506		

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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0908152-04 | **Client Sample Name:** 7376, SB1@20, 6/18/2009 12:52:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Aviation Gas	ND	mg/kg	250		Luft/FFP	06/26/09	07/08/09 14:29	CKD	GC-13	4.983	BSF1928		A01
TPH - Jet Fuel (JP4)	ND	mg/kg	50		Luft/FFP	06/26/09	07/08/09 14:29	CKD	GC-13	4.983	BSF1928		A01
TPH - Jet Fuel (JP5)	ND	mg/kg	50		Luft/FFP	06/26/09	07/08/09 14:29	CKD	GC-13	4.983	BSF1928		A01
TPH - Jet Fuel (JP6)	ND	mg/kg	50		Luft/FFP	06/26/09	07/08/09 14:29	CKD	GC-13	4.983	BSF1928		A01
TPH - Jet Fuel (JP8)	ND	mg/kg	50		Luft/FFP	06/26/09	07/08/09 14:29	CKD	GC-13	4.983	BSF1928	ND	A01
Gasoline Range Organics (C4 - C12)	**1400**	**mg/kg**	**250**		**Luft**	**06/26/09**	**06/26/09 17:46**	**JJH**	**GC-V8**	**250**	**BSF1786**	**ND**	**A01**
TPH - Diesel (FFP)	ND	mg/kg	50		Luft/FFP	06/26/09	07/08/09 14:29	CKD	GC-13	4.983	BSF1928	ND	A01
TPH - Fuel Oil #6	**200**	**mg/kg**	**50**		**Luft/FFP**	**06/26/09**	**07/08/09 14:29**	**CKD**	**GC-13**	**4.983**	**BSF1928**		**A01**
Tetracosane (Surrogate)	119	%	20 - 145 (LCL - UCL)		Luft/FFP	06/26/09	07/08/09 14:29	CKD	GC-13	4.983	BSF1928		A01
a,a,a-Trifluorotoluene (FID Surrogate)	100	%	70 - 130 (LCL - UCL)		Luft	06/26/09	06/26/09 17:46	JJH	GC-V8	250	BSF1786		

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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908152-05 | **Client Sample Name:** 7376, SB1@25, 6/18/2009 12:58:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**1.6**	**mg/kg**	**0.25**		**EPA-8260**	**06/23/09**	**06/24/09 12:54**	**ADC**	**MS-V2**	**50**	**BSF1506**	**ND**	**A01**
Ethylbenzene	**23**	**mg/kg**	**0.25**		**EPA-8260**	**06/23/09**	**06/24/09 12:54**	**ADC**	**MS-V2**	**50**	**BSF1506**	**ND**	**A01**
Methyl t-butyl ether	ND	mg/kg	0.25		EPA-8260	06/23/09	06/24/09 12:54	ADC	MS-V2	50	BSF1506	ND	A01
Toluene	**0.48**	**mg/kg**	**0.25**		**EPA-8260**	**06/23/09**	**06/24/09 12:54**	**ADC**	**MS-V2**	**50**	**BSF1506**	**ND**	**A01**
Total Xylenes	**100**	**mg/kg**	**1.0**		**EPA-8260**	**06/23/09**	**06/24/09 14:39**	**ADC**	**MS-V2**	**100**	**BSF1506**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	0.25		EPA-8260	06/23/09	06/24/09 12:54	ADC	MS-V2	50	BSF1506	ND	A01
t-Butyl alcohol	ND	mg/kg	2.5		EPA-8260	06/23/09	06/24/09 12:54	ADC	MS-V2	50	BSF1506	ND	A01
Diisopropyl ether	ND	mg/kg	0.25		EPA-8260	06/23/09	06/24/09 12:54	ADC	MS-V2	50	BSF1506	ND	A01
Ethanol	ND	mg/kg	50		EPA-8260	06/23/09	06/24/09 12:54	ADC	MS-V2	50	BSF1506	ND	A01
Ethyl t-butyl ether	ND	mg/kg	0.25		EPA-8260	06/23/09	06/24/09 12:54	ADC	MS-V2	50	BSF1506	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	97.3	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 12:54	ADC	MS-V2	50	BSF1506		
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 14:39	ADC	MS-V2	100	BSF1506		
Toluene-d8 (Surrogate)	111	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 12:54	ADC	MS-V2	50	BSF1506		
Toluene-d8 (Surrogate)	105	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 14:39	ADC	MS-V2	100	BSF1506		
4-Bromofluorobenzene (Surrogate)	120	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 12:54	ADC	MS-V2	50	BSF1506		
4-Bromofluorobenzene (Surrogate)	115	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 14:39	ADC	MS-V2	100	BSF1506		

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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0908152-05 | **Client Sample Name:** 7376, SB1@25, 6/18/2009 12:58:00PM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	**230**	**mg/kg**	**50**		**Luft**	**06/18/09**	**06/24/09 18:50**	**JJH**	**GC-V8**	**50**	**BSF1179**	**ND**	**A01**
TPH - Diesel (FFP)	ND	mg/kg	100		Luft/FFP	06/26/09	07/09/09 14:57	CKD	GC-13	9.967	BSF1928	ND	
TPH - Fuel Oil #6	**880**	**mg/kg**	**100**		**Luft/FFP**	**06/26/09**	**07/09/09 14:57**	**CKD**	**GC-13**	**9.967**	**BSF1928**	**ND**	**A01,Z1**
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		Luft/FFP	06/26/09	07/09/09 14:57	CKD	GC-13	9.967	BSF1928		A17
a,a,a-Trifluorotoluene (FID Surrogate)	98.2	%	70 - 130 (LCL - UCL)		Luft	06/18/09	06/24/09 18:50	JJH	GC-V8	50	BSF1179		

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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908152-06 | **Client Sample Name:** 7376, SB1@30, 6/18/2009 1:03:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**3.6**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 10:44**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Ethylbenzene	**8.4**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 10:44**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Methyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 10:44	ADC	MS-V2	25	BSF1506	ND	A01
Toluene	**0.44**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 10:44**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Total Xylenes	**9.6**	**mg/kg**	**0.25**		**EPA-8260**	**06/23/09**	**06/24/09 10:44**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 10:44	ADC	MS-V2	25	BSF1506	ND	A01
t-Butyl alcohol	ND	mg/kg	1.2		EPA-8260	06/23/09	06/24/09 10:44	ADC	MS-V2	25	BSF1506	ND	A01
Diisopropyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 10:44	ADC	MS-V2	25	BSF1506	ND	A01
Ethanol	ND	mg/kg	25		EPA-8260	06/23/09	06/24/09 10:44	ADC	MS-V2	25	BSF1506	ND	A01
Ethyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 10:44	ADC	MS-V2	25	BSF1506	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	99.3	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 10:44	ADC	MS-V2	25	BSF1506		
Toluene-d8 (Surrogate)	108	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 10:44	ADC	MS-V2	25	BSF1506		
4-Bromofluorobenzene (Surrogate)	117	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 10:44	ADC	MS-V2	25	BSF1506		

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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0908152-06 | **Client Sample Name:** 7376, SB1@30, 6/18/2009 1:03:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Aviation Gas	ND	mg/kg	5000		Luft/FFP	06/26/09	07/08/09 14:52	CKD	GC-13	99.338	BSF1928		A01
TPH - Jet Fuel (JP4)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 14:52	CKD	GC-13	99.338	BSF1928		A01
TPH - Jet Fuel (JP5)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 14:52	CKD	GC-13	99.338	BSF1928		A01
TPH - Jet Fuel (JP6)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 14:52	CKD	GC-13	99.338	BSF1928		A01
TPH - Jet Fuel (JP8)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 14:52	CKD	GC-13	99.338	BSF1928	ND	A01
Gasoline Range Organics (C4 - C12)	**1100**	**mg/kg**	**250**		**Luft**	**06/25/09**	**06/25/09 09:45**	**JJH**	**GC-V8**	**250**	**BSF1786**	**ND**	**A01**
TPH - Diesel (FFP)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 14:52	CKD	GC-13	99.338	BSF1928	ND	A01
TPH - Fuel Oil #6	**9700**	**mg/kg**	**1000**		**Luft/FFP**	**06/26/09**	**07/08/09 14:52**	**CKD**	**GC-13**	**99.338**	**BSF1928**		**A01**
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		Luft/FFP	06/26/09	07/08/09 14:52	CKD	GC-13	99.338	BSF1928		A01,A17
a,a,a-Trifluorotoluene (FID Surrogate)	109	%	70 - 130 (LCL - UCL)		Luft	06/25/09	06/25/09 09:45	JJH	GC-V8	250	BSF1786		

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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908152-07 | **Client Sample Name:** 7376, SB1@35, 6/18/2009 1:12:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**0.64**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 11:10**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Ethylbenzene	**1.9**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 11:10**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Methyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506	ND	A01
Toluene	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506	ND	A01
Total Xylenes	**1.6**	**mg/kg**	**0.25**		**EPA-8260**	**06/23/09**	**06/24/09 11:10**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506	ND	A01
t-Butyl alcohol	ND	mg/kg	1.2		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506	ND	A01
Diisopropyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506	ND	A01
Ethanol	ND	mg/kg	25		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506	ND	A01
Ethyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506		
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506		
4-Bromofluorobenzene (Surrogate)	112	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 11:10	ADC	MS-V2	25	BSF1506		

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Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0908152-07 | **Client Sample Name:** 7376, SB1@35, 6/18/2009 1:12:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	**310**	**mg/kg**	**250**		**Luft**	**06/25/09**	**06/25/09 10:16**	**JJH**	**GC-V8**	**250**	**BSF1786**	**ND**	**A01**
TPH - Diesel (FFP)	ND	mg/kg	100		Luft/FFP	06/26/09	07/08/09 15:15	CKD	GC-13	9.868	BSF1928	ND	A01
TPH - Fuel Oil #6	**1400**	**mg/kg**	**100**		**Luft/FFP**	**06/26/09**	**07/08/09 15:15**	**CKD**	**GC-13**	**9.868**	**BSF1928**	**ND**	**A01**
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		Luft/FFP	06/26/09	07/08/09 15:15	CKD	GC-13	9.868	BSF1928		A01,A17
a,a,a-Trifluorotoluene (FID Surrogate)	95.2	%	70 - 130 (LCL - UCL)		Luft	06/25/09	06/25/09 10:16	JJH	GC-V8	250	BSF1786		

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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908152-08 | **Client Sample Name:** 7376, SB1@40, 6/18/2009 1:18:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**1.1**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 11:36**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Ethylbenzene	**4.3**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 11:36**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Methyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 11:36	ADC	MS-V2	25	BSF1506	ND	A01
Toluene	**0.12**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 11:36**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Total Xylenes	**2.7**	**mg/kg**	**0.25**		**EPA-8260**	**06/23/09**	**06/24/09 11:36**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 11:36	ADC	MS-V2	25	BSF1506	ND	A01
t-Butyl alcohol	ND	mg/kg	1.2		EPA-8260	06/23/09	06/24/09 11:36	ADC	MS-V2	25	BSF1506	ND	A01
Diisopropyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 11:36	ADC	MS-V2	25	BSF1506	ND	A01
Ethanol	ND	mg/kg	25		EPA-8260	06/23/09	06/24/09 11:36	ADC	MS-V2	25	BSF1506	ND	A01
Ethyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 11:36	ADC	MS-V2	25	BSF1506	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	94.9	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 11:36	ADC	MS-V2	25	BSF1506		
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 11:36	ADC	MS-V2	25	BSF1506		
4-Bromofluorobenzene (Surrogate)	112	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 11:36	ADC	MS-V2	25	BSF1506		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0908152-08 | **Client Sample Name:** 7376, SB1@40, 6/18/2009 1:18:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Aviation Gas	ND	mg/kg	5000		Luft/FFP	06/26/09	07/08/09 15:40	CKD	GC-13	99.668	BSF1928		A01
TPH - Jet Fuel (JP4)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 15:40	CKD	GC-13	99.668	BSF1928		A01
TPH - Jet Fuel (JP5)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 15:40	CKD	GC-13	99.668	BSF1928		A01
TPH - Jet Fuel (JP6)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 15:40	CKD	GC-13	99.668	BSF1928		A01
TPH - Jet Fuel (JP8)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 15:40	CKD	GC-13	99.668	BSF1928	ND	A01
Gasoline Range Organics (C4 - C12)	**400**	**mg/kg**	**50**		**Luft**	**06/18/09**	**06/24/09 20:21**	**JJH**	**GC-V8**	**50**	**BSF1179**	**ND**	**A01**
TPH - Diesel (FFP)	ND	mg/kg	1000		Luft/FFP	06/26/09	07/08/09 15:40	CKD	GC-13	99.668	BSF1928	ND	A01
TPH - Fuel Oil #6	**9800**	**mg/kg**	**1000**		**Luft/FFP**	**06/26/09**	**07/08/09 15:40**	**CKD**	**GC-13**	**99.668**	**BSF1928**		**A01**
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		Luft/FFP	06/26/09	07/08/09 15:40	CKD	GC-13	99.668	BSF1928		A01,A17
a,a,a-Trifluorotoluene (FID Surrogate)	116	%	70 - 130 (LCL - UCL)		Luft	06/18/09	06/24/09 20:21	JJH	GC-V8	50	BSF1179		

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Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908152-09 | **Client Sample Name:** 7376, SB1@45, 6/18/2009 1:22:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**3.2**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 12:28**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Ethylbenzene	**5.6**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 12:28**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Methyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 12:28	ADC	MS-V2	25	BSF1506	ND	A01
Toluene	**0.83**	**mg/kg**	**0.12**		**EPA-8260**	**06/23/09**	**06/24/09 12:28**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
Total Xylenes	**21**	**mg/kg**	**0.25**		**EPA-8260**	**06/23/09**	**06/24/09 12:28**	**ADC**	**MS-V2**	**25**	**BSF1506**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 12:28	ADC	MS-V2	25	BSF1506	ND	A01
t-Butyl alcohol	ND	mg/kg	1.2		EPA-8260	06/23/09	06/24/09 12:28	ADC	MS-V2	25	BSF1506	ND	A01
Diisopropyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 12:28	ADC	MS-V2	25	BSF1506	ND	A01
Ethanol	ND	mg/kg	25		EPA-8260	06/23/09	06/24/09 12:28	ADC	MS-V2	25	BSF1506	ND	A01
Ethyl t-butyl ether	ND	mg/kg	0.12		EPA-8260	06/23/09	06/24/09 12:28	ADC	MS-V2	25	BSF1506	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	98.0	%	70 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 12:28	ADC	MS-V2	25	BSF1506		
Toluene-d8 (Surrogate)	108	%	81 - 117 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 12:28	ADC	MS-V2	25	BSF1506		
4-Bromofluorobenzene (Surrogate)	108	%	74 - 121 (LCL - UCL)		EPA-8260	06/23/09	06/24/09 12:28	ADC	MS-V2	25	BSF1506		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0908152-09 | **Client Sample Name:** 7376, SB1@45, 6/18/2009 1:22:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	**570**	**mg/kg**	**250**		**Luft**	**06/25/09**	**06/25/09 11:17**	**JJH**	**GC-V8**	**250**	**BSF1786**	**ND**	**A01**
TPH - Diesel (FFP)	ND	mg/kg	500		Luft/FFP	06/26/09	07/08/09 16:05	CKD	GC-13	49.342	BSF1928	ND	A01
TPH - Fuel Oil #6	**2800**	**mg/kg**	**500**		**Luft/FFP**	**06/26/09**	**07/08/09 16:05**	**CKD**	**GC-13**	**49.342**	**BSF1928**	**ND**	**A01**
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		Luft/FFP	06/26/09	07/08/09 16:05	CKD	GC-13	49.342	BSF1928		A01,A17
a,a,a-Trifluorotoluene (FID Surrogate)	100	%	70 - 130 (LCL - UCL)		Luft	06/25/09	06/25/09 11:17	JJH	GC-V8	250	BSF1786		

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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BSF1506	Matrix Spike	0908002-12	0	0.12504	0.12500	mg/kg		100		70 - 130	
		Matrix Spike Duplicate	0908002-12	0	0.12879	0.12500	mg/kg	3.0	103	20	70 - 130	
Toluene	BSF1506	Matrix Spike	0908002-12	0	0.12717	0.12500	mg/kg		102		70 - 130	
		Matrix Spike Duplicate	0908002-12	0	0.13159	0.12500	mg/kg	2.9	105	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSF1506	Matrix Spike	0908002-12	ND	0.050302	0.050000	mg/kg		101		70 - 121	
		Matrix Spike Duplicate	0908002-12	ND	0.050735	0.050000	mg/kg		101		70 - 121	
Toluene-d8 (Surrogate)	BSF1506	Matrix Spike	0908002-12	ND	0.049031	0.050000	mg/kg		98.1		81 - 117	
		Matrix Spike Duplicate	0908002-12	ND	0.049813	0.050000	mg/kg		99.6		81 - 117	
4-Bromofluorobenzene (Surrogate)	BSF1506	Matrix Spike	0908002-12	ND	0.051053	0.050000	mg/kg		102		74 - 121	
		Matrix Spike Duplicate	0908002-12	ND	0.049869	0.050000	mg/kg		99.7		74 - 121	

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11050 White Rock Rd, Suite 110
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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Gasoline Range Organics (C4 - C12)	BSF1065	Matrix Spike	0906490-94	0	5.5888	5.0000	mg/kg		112		70 - 130	
		Matrix Spike Duplicate	0906490-94	0	5.4830	5.0000	mg/kg	1.8	110	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BSF1065	Matrix Spike	0906490-94	ND	0.039800	0.040000	mg/kg		99.5		70 - 130	
		Matrix Spike Duplicate	0906490-94	ND	0.040200	0.040000	mg/kg		100		70 - 130	
Gasoline Range Organics (C4 - C12)	BSF1179	Matrix Spike	0906490-95	0	5.0391	5.0000	mg/kg		101		70 - 130	
		Matrix Spike Duplicate	0906490-95	0	5.2253	5.0000	mg/kg	3.9	105	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BSF1179	Matrix Spike	0906490-95	ND	0.038600	0.040000	mg/kg		96.5		70 - 130	
		Matrix Spike Duplicate	0906490-95	ND	0.038600	0.040000	mg/kg		96.5		70 - 130	
Gasoline Range Organics (C4 - C12)	BSF1786	Matrix Spike	0908002-06	0	5.6059	5.0000	mg/kg		112		70 - 130	
		Matrix Spike Duplicate	0908002-06	0	5.6115	5.0000	mg/kg	0	112	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BSF1786	Matrix Spike	0908002-06	ND	0.038600	0.040000	mg/kg		96.5		70 - 130	
		Matrix Spike Duplicate	0908002-06	ND	0.038900	0.040000	mg/kg		97.2		70 - 130	
TPH - Diesel (FFP)	BSF1928	Matrix Spike	0908152-04	0	183.75	82.508	mg/kg		223		52 - 131	A01,Q03
		Matrix Spike Duplicate	0908152-04	0	170.10	82.781	mg/kg	8.4	205	30	52 - 131	A01,Q03
Tetracosane (Surrogate)	BSF1928	Matrix Spike	0908152-04	ND	3.5254	3.3003	mg/kg		107		20 - 145	A01
		Matrix Spike Duplicate	0908152-04	ND	4.1099	3.3113	mg/kg		124		20 - 145	A01

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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Control Limits: Percent Recovery	RPD	Control Limits: Percent Recovery	RPD	Lab Quals
Benzene	BSF1506	BSF1506-BS1	LCS	0.12968	0.12500	0.0050	mg/kg	104		70 - 130		
Toluene	BSF1506	BSF1506-BS1	LCS	0.12992	0.12500	0.0050	mg/kg	104		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSF1506	BSF1506-BS1	LCS	0.049924	0.050000		mg/kg	99.8		70 - 121		
Toluene-d8 (Surrogate)	BSF1506	BSF1506-BS1	LCS	0.049188	0.050000		mg/kg	98.4		81 - 117		
4-Bromofluorobenzene (Surrogate)	BSF1506	BSF1506-BS1	LCS	0.050325	0.050000		mg/kg	101		74 - 121		

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11050 White Rock Rd, Suite 110
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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Gasoline Range Organics (C4 - C12)	BSF1065	BSF1065-BS1	LCS	5.5558	5.0000	1.0	mg/kg	111		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BSF1065	BSF1065-BS1	LCS	0.040500	0.040000		mg/kg	101		70 - 130		
Gasoline Range Organics (C4 - C12)	BSF1179	BSF1179-BS1	LCS	5.2063	5.0000	1.0	mg/kg	104		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BSF1179	BSF1179-BS1	LCS	0.038400	0.040000		mg/kg	96.0		70 - 130		
Gasoline Range Organics (C4 - C12)	BSF1786	BSF1786-BS1	LCS	5.6854	5.0000	1.0	mg/kg	114		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BSF1786	BSF1786-BS1	LCS	0.038900	0.040000		mg/kg	97.2		70 - 130		
TPH - Diesel (FFP)	BSF1928	BSF1928-BS1	LCS	72.617	82.237	10	mg/kg	88.3		64 - 124		
Tetracosane (Surrogate)	BSF1928	BSF1928-BS1	LCS	3.6724	3.2895		mg/kg	112		20 - 145		

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11050 White Rock Rd, Suite 110
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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BSF1506	BSF1506-BLK1	ND	mg/kg	0.0050		
Ethylbenzene	BSF1506	BSF1506-BLK1	ND	mg/kg	0.0050		
Methyl t-butyl ether	BSF1506	BSF1506-BLK1	ND	mg/kg	0.0050		
Toluene	BSF1506	BSF1506-BLK1	ND	mg/kg	0.0050		
Total Xylenes	BSF1506	BSF1506-BLK1	ND	mg/kg	0.010		
t-Amyl Methyl ether	BSF1506	BSF1506-BLK1	ND	mg/kg	0.0050		
t-Butyl alcohol	BSF1506	BSF1506-BLK1	ND	mg/kg	0.050		
Diisopropyl ether	BSF1506	BSF1506-BLK1	ND	mg/kg	0.0050		
Ethanol	BSF1506	BSF1506-BLK1	ND	mg/kg	1.0		
Ethyl t-butyl ether	BSF1506	BSF1506-BLK1	ND	mg/kg	0.0050		
1,2-Dichloroethane-d4 (Surrogate)	BSF1506	BSF1506-BLK1	107	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSF1506	BSF1506-BLK1	97.5	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSF1506	BSF1506-BLK1	98.9	%	74 - 121 (LCL - UCL)		

Delta Environmental Consultants, Inc.
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Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/09/2009 16:26

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Gasoline Range Organics (C4 - C12)	BSF1065	BSF1065-BLK1	ND	mg/kg	1.0		
a,a,a-Trifluorotoluene (FID Surrogate)	BSF1065	BSF1065-BLK1	100	%	70 - 130 (LCL - UCL)		
Gasoline Range Organics (C4 - C12)	BSF1179	BSF1179-BLK1	ND	mg/kg	1.0		
a,a,a-Trifluorotoluene (FID Surrogate)	BSF1179	BSF1179-BLK1	95.2	%	70 - 130 (LCL - UCL)		
Gasoline Range Organics (C4 - C12)	BSF1786	BSF1786-BLK1	ND	mg/kg	1.0		
a,a,a-Trifluorotoluene (FID Surrogate)	BSF1786	BSF1786-BLK1	95.5	%	70 - 130 (LCL - UCL)		
TPH - Jet Fuel (JP8)	BSF1928	BSF1928-BLK1	ND	mg/kg	10		
TPH - Diesel (FFP)	BSF1928	BSF1928-BLK1	ND	mg/kg	10		
TPH - Fuel Oil #6	BSF1928	BSF1928-BLK1	ND	mg/kg	10		
Tetracosane (Surrogate)	BSF1928	BSF1928-BLK1	116	%	20 - 145 (LCL - UCL)		

Delta Environmental Consultants, Inc.	Project: 7376	**Reported:** 07/09/2009 16:26
11050 White Rock Rd, Suite 110	Project Number: 4511814991	
Rancho Cordova, CA 95670	Project Manager: John Reay	

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A17	Surrogate not reportable due to sample dilution.
Q03	Matrix spike recovery(s) is(are) not within the control limits.
Z1	Chromatogram not typical of Fuel Oil #6.

BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE: BCL QUOTE ID:

Page ____ of ____

Report To: Client: Delta	Project #: C107376
Attn: Alan Buehler	Project Name: 7376 Pleasanton
Street Address: 11050 White Rock suite 110	Global ID #:
City, State, Zip: Rancho Cordova CA	Sampler(s): Alan Buehler
Phone: 916-[illegible]-5039 Fax:	
Email Address: abuehler@deltaenv.com	
Work Order #: PO# 4511814991	09-08152

Analysis Requested

Please refer to the back of this page for container instructions and method legend.

Comments:

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☒ No

* Standard Turnaround = 10 work days

Sample #	Description		Date Sampled	Time Sampled	TPH-G 8015	TPH-D 8015	[crossed out]	Butanol 8015	[crossed out]	BTEX 8260	OXYS 8260			Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
SB1																					
SB1 @5	soil	-1	6/18/09	12:36	X	X		X		X	X			X							
SB1 @10	soil	-2	↓	12:41	X	X		X		X	X			X							
SB1 @15	↓	-3	↓	12:46	X	X		X		X	X			X							
SB1 @20	↓	-4	↓	12:52	X	X		X		X	X			X							
SB1 @25	↓	-5	↓	12:58	X	X		X		X	X			X							
SB1 @30	↓	-6	↓	1:03	X	X		X		X	X			X							
SB1 @35	↓	-7	↓	1:12	X	X		X		X	X			X							
SB1 @40	↓	-8	↓	1:18	X	X		X		X	X			X							
SB1 @45	↓	-9	↓	1:22	X	X		X		X	X			X							

CHK BY [initials] DISTRIBUTION [initials] SUB-OUT ☐

Billing ☒ Same as above

Client: ______

Address: ______

City: ______ State ______ Zip ______

Attn: ______

PO#: ______

Report Drinking Waters on State Form? ☐ Yes ☐ No

Send Copy to State of CA? ☐ Yes ☐ No

Sample Disposal: ☐ Return to Client ☐ Disposal by lab ☐ Archive: Months ______

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	6/19/09	11:35	1. [signature]	6/22/09	1250
2. [signature]	6/22/09	1810	2. [signature]	6.22.09	1810
3. [signature]	6.22.09	2100	3. [signature]	6/22/09	2103

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 1 Of 1

Submission #: 09-08152

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: .98 Container: 40A Thermometer ID: TH163

Temperature: A 4.1 °C / C 3.8 °C

2115 Date/Time 06-22-09

Analyst Init ALM

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE	A	A	A	A	A	A	A	A	A	
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____

Sample Numbering Completed By: JDW Date/Time: 10/22/09 2243

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 07/02/2009

John Reay

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

RE: 7376
BC Work Order: 0907815
Invoice ID: B064402

Enclosed are the results of analyses for samples received by the laboratory on 6/15/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0907815-01	**COC Number:**	---	**Receive Date:**	06/15/2009 21:00	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/12/2009 09:28	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): Comp Waste 1
	Sampling Point:	Comp Waste 1	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0907815-02	**COC Number:**	---	**Receive Date:**	06/15/2009 21:00	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/12/2009 09:30	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): Comp Waste 2
	Sampling Point:	Comp Waste 2	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0907815-03	**COC Number:**	---	**Receive Date:**	06/15/2009 21:00	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/12/2009 08:25	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-2C
	Sampling Point:	MW-2C@20	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0907815-04	**COC Number:**	---	**Receive Date:**	06/15/2009 21:00	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/12/2009 08:30	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-2C
	Sampling Point:	MW-2C@25	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:

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11050 White Rock Rd, Suite 110
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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0907815-05	**COC Number:**	---	**Receive Date:**	06/15/2009 21:00	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/12/2009 08:40	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-2C
	Sampling Point:	MW-2C@30	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0907815-06	**COC Number:**	---	**Receive Date:**	06/15/2009 21:00	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/12/2009 08:40	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-2C
	Sampling Point:	MW-2C@35	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0907815-07	**COC Number:**	---	**Receive Date:**	06/15/2009 21:00	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/12/2009 08:50	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-2C
	Sampling Point:	MW-2C@40	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
0907815-08	**COC Number:**	---	**Receive Date:**	06/15/2009 21:00	Delivery Work Order:
	Project Number:	7376	**Sampling Date:**	06/12/2009 08:55	Global ID:
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-2C
	Sampling Point:	MW-2C@45	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-01 | **Client Sample Name:** 7376, Comp Waste 1, 6/12/2009 9:28:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**0.52**	**mg/kg**	**0.050**		**EPA-8260**	**06/16/09**	**06/16/09 22:49**	**JSK**	**MS-V3**	**10**	**BSF1054**	**ND**	**A01**
Ethylbenzene	**1.9**	**mg/kg**	**0.050**		**EPA-8260**	**06/16/09**	**06/16/09 22:49**	**JSK**	**MS-V3**	**10**	**BSF1054**	**ND**	**A01**
Methyl t-butyl ether	ND	mg/kg	0.050		EPA-8260	06/16/09	06/16/09 22:49	JSK	MS-V3	10	BSF1054	ND	A01
Toluene	**0.23**	**mg/kg**	**0.050**		**EPA-8260**	**06/16/09**	**06/16/09 22:49**	**JSK**	**MS-V3**	**10**	**BSF1054**	**ND**	**A01**
Total Xylenes	**2.4**	**mg/kg**	**0.10**		**EPA-8260**	**06/16/09**	**06/16/09 22:49**	**JSK**	**MS-V3**	**10**	**BSF1054**	**ND**	**A01**
Total Purgeable Petroleum Hydrocarbons	**100**	**mg/kg**	**20**		**Luft-GC/MS**	**06/16/09**	**06/18/09 00:15**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
1,2-Dichloroethane-d4 (Surrogate)	88.4	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 00:15	JSK	MS-V3	100	BSF1054		
1,2-Dichloroethane-d4 (Surrogate)	100	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/16/09 22:49	JSK	MS-V3	10	BSF1054		
Toluene-d8 (Surrogate)	98.4	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/16/09 22:49	JSK	MS-V3	10	BSF1054		
Toluene-d8 (Surrogate)	98.2	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 00:15	JSK	MS-V3	100	BSF1054		
4-Bromofluorobenzene (Surrogate)	98.8	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 00:15	JSK	MS-V3	100	BSF1054		
4-Bromofluorobenzene (Surrogate)	102	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/16/09 22:49	JSK	MS-V3	10	BSF1054		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Total Concentrations (TTLC)

BCL Sample ID: 0907815-01 | **Client Sample Name:** 7376, Comp Waste 1, 6/12/2009 9:28:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	10	mg/kg	2.5		EPA-6010B	06/18/09	06/18/09 14:10	PPS	PE-OP1	0.962	BSF1305	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-02 | **Client Sample Name:** 7376, Comp Waste 2, 6/12/2009 9:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**0.17**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/16/09 23:15**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Ethylbenzene	**2.6**	**mg/kg**	**0.050**		**EPA-8260**	**06/16/09**	**06/17/09 16:50**	**JSK**	**MS-V3**	**10**	**BSF1054**	**ND**	**A01**
Methyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/16/09 23:15	JSK	MS-V3	1	BSF1054	ND	
Toluene	**0.087**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/16/09 23:15**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Total Xylenes	**2.4**	**mg/kg**	**0.10**		**EPA-8260**	**06/16/09**	**06/17/09 16:50**	**JSK**	**MS-V3**	**10**	**BSF1054**	**ND**	**A01**
Total Purgeable Petroleum Hydrocarbons	**110**	**mg/kg**	**20**		**Luft-GC/MS**	**06/16/09**	**06/18/09 00:42**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
1,2-Dichloroethane-d4 (Surrogate)	111	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/16/09 23:15	JSK	MS-V3	1	BSF1054		
1,2-Dichloroethane-d4 (Surrogate)	87.3	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 00:42	JSK	MS-V3	100	BSF1054		
1,2-Dichloroethane-d4 (Surrogate)	101	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 16:50	JSK	MS-V3	10	BSF1054		
Toluene-d8 (Surrogate)	107	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/16/09 23:15	JSK	MS-V3	1	BSF1054		
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 16:50	JSK	MS-V3	10	BSF1054		
Toluene-d8 (Surrogate)	99.5	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 00:42	JSK	MS-V3	100	BSF1054		
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 16:50	JSK	MS-V3	10	BSF1054		
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/16/09 23:15	JSK	MS-V3	1	BSF1054		
4-Bromofluorobenzene (Surrogate)	99.1	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 00:42	JSK	MS-V3	100	BSF1054		

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Total Concentrations (TTLC)

BCL Sample ID: 0907815-02 | **Client Sample Name:** 7376, Comp Waste 2, 6/12/2009 9:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Lead	9.5	mg/kg	2.5		EPA-6010B	06/18/09	06/18/09 14:12	PPS	PE-OP1	0.962	BSF1305	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-03 | **Client Sample Name:** 7376, MW-2C@20, 6/12/2009 8:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**0.39**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/16/09 23:42**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
Bromobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Bromochloromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Bromodichloromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Bromoform	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Bromomethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
n-Butylbenzene	**1.0**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/16/09 23:42**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
sec-Butylbenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
tert-Butylbenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Carbon tetrachloride	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Chlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Chloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Chloroform	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Chloromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
2-Chlorotoluene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
4-Chlorotoluene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Dibromochloromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dibromoethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Dibromomethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,3-Dichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,4-Dichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-03 | **Client Sample Name:** 7376, MW-2C@20, 6/12/2009 8:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,1-Dichloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dichloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,1-Dichloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
cis-1,2-Dichloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
trans-1,2-Dichloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Total 1,2-Dichloroethene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dichloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,3-Dichloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
2,2-Dichloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,1-Dichloropropene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
cis-1,3-Dichloropropene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
trans-1,3-Dichloropropene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Total 1,3-Dichloropropene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Ethylbenzene	**4.7**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/16/09 23:42**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
Hexachlorobutadiene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Isopropylbenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
p-Isopropyltoluene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Methylene chloride	ND	mg/kg	0.50		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Methyl t-butyl ether	**0.48**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/16/09 23:42**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
Naphthalene	**2.3**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/16/09 23:42**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
n-Propylbenzene	**1.2**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/16/09 23:42**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
Styrene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01

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Project: 7376
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Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-03 | **Client Sample Name:** 7376, MW-2C@20, 6/12/2009 8:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Tetrachloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Toluene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,2,3-Trichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,2,4-Trichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,1,1-Trichloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,1,2-Trichloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Trichloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Trichlorofluoromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,2,3-Trichloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
1,2,4-Trimethylbenzene	**11**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/16/09 23:42**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
1,3,5-Trimethylbenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Vinyl chloride	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Total Xylenes	**3.4**	**mg/kg**	**0.50**		**EPA-8260**	**06/16/09**	**06/16/09 23:42**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
t-Butyl alcohol	ND	mg/kg	2.5		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Diisopropyl ether	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Ethanol	ND	mg/kg	50		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Ethyl t-butyl ether	ND	mg/kg	0.25		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054	ND	A01
Total Purgeable Petroleum Hydrocarbons	**370**	**mg/kg**	**50**		**Luft-GC/MS**	**06/16/09**	**06/18/09 01:34**	**JSK**	**MS-V3**	**250**	**BSF1054**	**ND**	**A01**

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-03 | **Client Sample Name:** 7376, MW-2C@20, 6/12/2009 8:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	87.4	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 01:34	JSK	MS-V3	250	BSF1054		
1,2-Dichloroethane-d4 (Surrogate)	95.5	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054		
Toluene-d8 (Surrogate)	97.8	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 01:34	JSK	MS-V3	250	BSF1054		
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054		
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 01:34	JSK	MS-V3	250	BSF1054		
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/16/09 23:42	JSK	MS-V3	50	BSF1054		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-03 | **Client Sample Name:** 7376, MW-2C@20, 6/12/2009 8:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Aldrin	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Aniline	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Anthracene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Benzidine	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
beta-BHC	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
delta-BHC	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-03 | **Client Sample Name:** 7376, MW-2C@20, 6/12/2009 8:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Chrysene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Dieldrin	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-03 | **Client Sample Name:** 7376, MW-2C@20, 6/12/2009 8:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Endrin	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Fluorene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Heptachlor	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Isophorone	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2-Methylnaphthalene	**2.8**	**mg/kg**	**0.10**		**EPA-8270C**	**06/22/09**	**06/30/09 06:38**	**SKC**	**MS-B1**	**0.987**	**BSF1688**	**ND**	
Naphthalene	**2.0**	**mg/kg**	**0.10**		**EPA-8270C**	**06/22/09**	**06/30/09 06:38**	**SKC**	**MS-B1**	**0.987**	**BSF1688**	**ND**	
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-03 | **Client Sample Name:** 7376, MW-2C@20, 6/12/2009 8:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Pyrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
Phenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688	ND	
2-Fluorophenol (Surrogate)	90.0	%	42 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688		
Phenol-d5 (Surrogate)	94.9	%	36 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688		
Nitrobenzene-d5 (Surrogate)	76.5	%	34 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688		
2-Fluorobiphenyl (Surrogate)	81.9	%	40 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688		
2,4,6-Tribromophenol (Surrogate)	105	%	54 - 162 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688		
p-Terphenyl-d14 (Surrogate)	93.3	%	20 - 176 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 06:38	SKC	MS-B1	0.987	BSF1688		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0907815-03 | **Client Sample Name:** 7376, MW-2C@20, 6/12/2009 8:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Light Naptha	ND	mg/kg	50		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Aviation Gas	ND	mg/kg	50		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Stoddard Solvent	ND	mg/kg	20		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Heavy Naptha	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Gasoline	ND	mg/kg	20		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Jet Fuel (JP4)	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Jet Fuel (JP5)	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Jet Fuel (JP8)	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Kerosene	**93**	**mg/kg**	**10**		**Luft/FFP**	**06/17/09**	**06/22/09 08:22**	**CKD**	**GC-2**	**0.990**	**BSF1330**	**ND**	
TPH - Diesel (FFP)	**26**	**mg/kg**	**10**		**Luft/FFP**	**06/17/09**	**06/22/09 08:22**	**CKD**	**GC-2**	**0.990**	**BSF1330**	**ND**	
TPH - Fuel Oil #6	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Crude Oil	ND	mg/kg	20		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
TPH - Hydraulic Oil / Motor Oil	**30**	**mg/kg**	**20**		**Luft/FFP**	**06/17/09**	**06/22/09 08:22**	**CKD**	**GC-2**	**0.990**	**BSF1330**	**ND**	
TPH - WD-40	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330	ND	
Tetracosane (Surrogate)	74.6	%	20 - 145 (LCL - UCL)		Luft/FFP	06/17/09	06/22/09 08:22	CKD	GC-2	0.990	BSF1330		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-04 | **Client Sample Name:** 7376, MW-2C@25, 6/12/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Bromobenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Bromochloromethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Bromodichloromethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Bromoform	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Bromomethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
n-Butylbenzene	**5.3**	**mg/kg**	**0.50**		**EPA-8260**	**06/16/09**	**06/17/09 17:17**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
sec-Butylbenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
tert-Butylbenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Carbon tetrachloride	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Chlorobenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Chloroethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Chloroform	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Chloromethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
2-Chlorotoluene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
4-Chlorotoluene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Dibromochloromethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,2-Dibromoethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Dibromomethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,2-Dichlorobenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,3-Dichlorobenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,4-Dichlorobenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-04 | **Client Sample Name:** 7376, MW-2C@25, 6/12/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,1-Dichloroethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,2-Dichloroethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,1-Dichloroethene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
cis-1,2-Dichloroethene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
trans-1,2-Dichloroethene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Total 1,2-Dichloroethene	ND	mg/kg	1.0		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,2-Dichloropropane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,3-Dichloropropane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
2,2-Dichloropropane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,1-Dichloropropene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
cis-1,3-Dichloropropene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
trans-1,3-Dichloropropene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Total 1,3-Dichloropropene	ND	mg/kg	1.0		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Ethylbenzene	**14**	**mg/kg**	**0.50**		**EPA-8260**	**06/16/09**	**06/17/09 17:17**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
Hexachlorobutadiene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Isopropylbenzene	**0.52**	**mg/kg**	**0.50**		**EPA-8260**	**06/16/09**	**06/17/09 17:17**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
p-Isopropyltoluene	**1.4**	**mg/kg**	**0.50**		**EPA-8260**	**06/16/09**	**06/17/09 17:17**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
Methylene chloride	ND	mg/kg	1.0		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Methyl t-butyl ether	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Naphthalene	**10**	**mg/kg**	**0.50**		**EPA-8260**	**06/16/09**	**06/17/09 17:17**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
n-Propylbenzene	**6.8**	**mg/kg**	**0.50**		**EPA-8260**	**06/16/09**	**06/17/09 17:17**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
Styrene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-04 | **Client Sample Name:** 7376, MW-2C@25, 6/12/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Tetrachloroethene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Toluene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,2,3-Trichlorobenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,2,4-Trichlorobenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,1,1-Trichloroethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,1,2-Trichloroethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Trichloroethene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Trichlorofluoromethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,2,3-Trichloropropane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
1,2,4-Trimethylbenzene	**39**	**mg/kg**	**0.50**		**EPA-8260**	**06/16/09**	**06/17/09 17:17**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
1,3,5-Trimethylbenzene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Vinyl chloride	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Total Xylenes	**6.4**	**mg/kg**	**1.0**		**EPA-8260**	**06/16/09**	**06/17/09 17:17**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
t-Butyl alcohol	ND	mg/kg	5.0		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Diisopropyl ether	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Ethanol	ND	mg/kg	100		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Ethyl t-butyl ether	ND	mg/kg	0.50		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054	ND	A01
Total Purgeable Petroleum Hydrocarbons	**850**	**mg/kg**	**200**		**Luft-GC/MS**	**06/16/09**	**06/18/09 02:01**	**JSK**	**MS-V3**	**1000**	**BSF1054**	**ND**	**A01**

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-04 | **Client Sample Name:** 7376, MW-2C@25, 6/12/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	91.9	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 02:01	JSK	MS-V3	1000	BSF1054		
1,2-Dichloroethane-d4 (Surrogate)	89.2	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054		
Toluene-d8 (Surrogate)	104	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054		
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 02:01	JSK	MS-V3	1000	BSF1054		
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 02:01	JSK	MS-V3	1000	BSF1054		
4-Bromofluorobenzene (Surrogate)	110	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 17:17	JSK	MS-V3	100	BSF1054		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-04 | **Client Sample Name:** 7376, MW-2C@25, 6/12/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Acenaphthylene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Aldrin	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Aniline	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Anthracene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Benzidine	ND	mg/kg	150		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Benzo[a]anthracene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Benzo[b]fluoranthene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Benzo[k]fluoranthene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Benzo[a]pyrene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Benzo[g,h,i]perylene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Benzoic acid	ND	mg/kg	25		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Benzyl alcohol	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Benzyl butyl phthalate	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
alpha-BHC	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
beta-BHC	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
delta-BHC	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
gamma-BHC (Lindane)	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
bis(2-Chloroethoxy)methane	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
bis(2-Chloroethyl) ether	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
bis(2-Chloroisopropyl)ether	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
bis(2-Ethylhexyl)phthalate	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
4-Bromophenyl phenyl ether	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-04 | **Client Sample Name:** 7376, MW-2C@25, 6/12/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
4-Chloroaniline	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2-Chloronaphthalene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
4-Chlorophenyl phenyl ether	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Chrysene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
4,4'-DDD	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
4,4'-DDE	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
4,4'-DDT	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Dibenzo[a,h]anthracene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Dibenzofuran	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
1,2-Dichlorobenzene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
1,3-Dichlorobenzene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
1,4-Dichlorobenzene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
3,3-Dichlorobenzidine	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Dieldrin	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Diethyl phthalate	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Dimethyl phthalate	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Di-n-butyl phthalate	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2,4-Dinitrotoluene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2,6-Dinitrotoluene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Di-n-octyl phthalate	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
1,2-Diphenylhydrazine	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Endosulfan I	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Endosulfan II	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-04 | **Client Sample Name:** 7376, MW-2C@25, 6/12/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Endosulfan sulfate	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Endrin	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Endrin aldehyde	ND	mg/kg	25		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Fluoranthene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Fluorene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Heptachlor	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Heptachlor epoxide	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Hexachlorobenzene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Hexachlorobutadiene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Hexachlorocyclopentadiene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Hexachloroethane	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Indeno[1,2,3-cd]pyrene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Isophorone	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2-Methylnaphthalene	**7.2**	**mg/kg**	**4.9**		**EPA-8270C**	**06/22/09**	**06/29/09 17:10**	**SKC**	**MS-B2**	**49.020**	**BSF1688**	**ND**	**A10**
Naphthalene	**7.1**	**mg/kg**	**4.9**		**EPA-8270C**	**06/22/09**	**06/29/09 17:10**	**SKC**	**MS-B2**	**49.020**	**BSF1688**	**ND**	**A10**
2-Naphthylamine	ND	mg/kg	150		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2-Nitroaniline	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
3-Nitroaniline	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
4-Nitroaniline	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Nitrobenzene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
N-Nitrosodimethylamine	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
N-Nitrosodi-N-propylamine	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
N-Nitrosodiphenylamine	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-04 | **Client Sample Name:** 7376, MW-2C@25, 6/12/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Phenanthrene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Pyrene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
1,2,4-Trichlorobenzene	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
4-Chloro-3-methylphenol	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2-Chlorophenol	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2,4-Dichlorophenol	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2,4-Dimethylphenol	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
4,6-Dinitro-2-methylphenol	ND	mg/kg	25		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2,4-Dinitrophenol	ND	mg/kg	25		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2-Methylphenol	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
3- & 4-Methylphenol	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2-Nitrophenol	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
4-Nitrophenol	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Pentachlorophenol	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
Phenol	ND	mg/kg	4.9		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2,4,5-Trichlorophenol	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2,4,6-Trichlorophenol	ND	mg/kg	9.8		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688	ND	A10
2-Fluorophenol (Surrogate)	0	%	42 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688		A10,A17
Phenol-d5 (Surrogate)	0	%	36 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688		A10,A17
Nitrobenzene-d5 (Surrogate)	0	%	34 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688		A10,A17
2-Fluorobiphenyl (Surrogate)	0	%	40 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688		A10,A17
2,4,6-Tribromophenol (Surrogate)	0	%	54 - 162 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688		A10,A17
p-Terphenyl-d14 (Surrogate)	0	%	20 - 176 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:10	SKC	MS-B2	49.020	BSF1688		A10,A17

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0907815-04 | **Client Sample Name:** 7376, MW-2C@25, 6/12/2009 8:30:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Light Naptha	ND	mg/kg	2500		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Aviation Gas	ND	mg/kg	2500		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Stoddard Solvent	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Heavy Naptha	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Gasoline	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Jet Fuel (JP4)	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Jet Fuel (JP5)	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Jet Fuel (JP8)	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Kerosene	**1800**	**mg/kg**	**500**		**Luft/FFP**	**06/17/09**	**06/22/09 08:45**	**CKD**	**GC-2**	**50.336**	**BSF1330**	**ND**	**A01**
TPH - Diesel (FFP)	**4500**	**mg/kg**	**500**		**Luft/FFP**	**06/17/09**	**06/22/09 08:45**	**CKD**	**GC-2**	**50.336**	**BSF1330**	**ND**	**A01**
TPH - Fuel Oil #6	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Crude Oil	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
TPH - Hydraulic Oil / Motor Oil	**4000**	**mg/kg**	**1000**		**Luft/FFP**	**06/17/09**	**06/22/09 08:45**	**CKD**	**GC-2**	**50.336**	**BSF1330**	**ND**	**A01**
TPH - WD-40	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330	ND	A01
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		Luft/FFP	06/17/09	06/22/09 08:45	CKD	GC-2	50.336	BSF1330		A01,A17

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-05 | **Client Sample Name:** 7376, MW-2C@30, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**28**	**mg/kg**	**1.2**		**EPA-8260**	**06/16/09**	**06/18/09 12:06**	**JSK**	**MS-V3**	**250**	**BSF1054**	**ND**	**A01**
Bromobenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Bromochloromethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Bromodichloromethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Bromoform	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Bromomethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
n-Butylbenzene	**3.7**	**mg/kg**	**1.2**		**EPA-8260**	**06/16/09**	**06/18/09 12:06**	**JSK**	**MS-V3**	**250**	**BSF1054**	**ND**	**A01**
sec-Butylbenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
tert-Butylbenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Carbon tetrachloride	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Chlorobenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Chloroethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Chloroform	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Chloromethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
2-Chlorotoluene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
4-Chlorotoluene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Dibromochloromethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,2-Dibromo-3-chloropropane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,2-Dibromoethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Dibromomethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,2-Dichlorobenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,3-Dichlorobenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,4-Dichlorobenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-05 | **Client Sample Name:** 7376, MW-2C@30, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,1-Dichloroethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,2-Dichloroethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,1-Dichloroethene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
cis-1,2-Dichloroethene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
trans-1,2-Dichloroethene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Total 1,2-Dichloroethene	ND	mg/kg	2.5		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,2-Dichloropropane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,3-Dichloropropane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
2,2-Dichloropropane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,1-Dichloropropene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
cis-1,3-Dichloropropene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
trans-1,3-Dichloropropene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Total 1,3-Dichloropropene	ND	mg/kg	2.5		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Ethylbenzene	**9.9**	**mg/kg**	**1.2**		**EPA-8260**	**06/16/09**	**06/18/09 12:06**	**JSK**	**MS-V3**	**250**	**BSF1054**	**ND**	**A01**
Hexachlorobutadiene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Isopropylbenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
p-Isopropyltoluene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Methylene chloride	ND	mg/kg	2.5		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Methyl t-butyl ether	**8.7**	**mg/kg**	**1.2**		**EPA-8260**	**06/16/09**	**06/18/09 12:06**	**JSK**	**MS-V3**	**250**	**BSF1054**	**ND**	**A01**
Naphthalene	**5.9**	**mg/kg**	**1.2**		**EPA-8260**	**06/16/09**	**06/18/09 12:06**	**JSK**	**MS-V3**	**250**	**BSF1054**	**ND**	**A01**
n-Propylbenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Styrene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01

Delta Environmental Consultants, Inc.
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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-05 | **Client Sample Name:** 7376, MW-2C@30, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,1,2-Tetrachloroethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,1,2,2-Tetrachloroethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Tetrachloroethene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Toluene	**1.5**	**mg/kg**	**1.2**		**EPA-8260**	**06/16/09**	**06/18/09 12:06**	**JSK**	**MS-V3**	**250**	**BSF1054**	**ND**	**A01**
1,2,3-Trichlorobenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,2,4-Trichlorobenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,1,1-Trichloroethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,1,2-Trichloroethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Trichloroethene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Trichlorofluoromethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,2,3-Trichloropropane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,2,4-Trimethylbenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
1,3,5-Trimethylbenzene	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Vinyl chloride	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Total Xylenes	**12**	**mg/kg**	**2.5**		**EPA-8260**	**06/16/09**	**06/18/09 12:06**	**JSK**	**MS-V3**	**250**	**BSF1054**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
t-Butyl alcohol	ND	mg/kg	12		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Diisopropyl ether	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Ethanol	ND	mg/kg	250		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Ethyl t-butyl ether	ND	mg/kg	1.2		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054	ND	A01
Total Purgeable Petroleum Hydrocarbons	**650**	**mg/kg**	**100**		**Luft-GC/MS**	**06/16/09**	**06/17/09 00:34**	**JSK**	**MS-V3**	**500**	**BSF1054**	**ND**	**A01**

Delta Environmental Consultants, Inc.
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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-05 | **Client Sample Name:** 7376, MW-2C@30, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	97.1	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 00:34	JSK	MS-V3	500	BSF1054		
1,2-Dichloroethane-d4 (Surrogate)	98.7	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054		
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054		
Toluene-d8 (Surrogate)	97.2	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 00:34	JSK	MS-V3	500	BSF1054		
4-Bromofluorobenzene (Surrogate)	99.8	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 12:06	JSK	MS-V3	250	BSF1054		
4-Bromofluorobenzene (Surrogate)	101	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 00:34	JSK	MS-V3	500	BSF1054		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-05 | **Client Sample Name:** 7376, MW-2C@30, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Acenaphthylene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Aldrin	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Aniline	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Anthracene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Benzidine	ND	mg/kg	74		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Benzo[a]anthracene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Benzo[b]fluoranthene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Benzo[k]fluoranthene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Benzo[a]pyrene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Benzo[g,h,i]perylene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Benzoic acid	ND	mg/kg	12		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Benzyl alcohol	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Benzyl butyl phthalate	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
alpha-BHC	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
beta-BHC	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
delta-BHC	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
gamma-BHC (Lindane)	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
bis(2-Chloroethoxy)methane	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
bis(2-Chloroethyl) ether	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
bis(2-Chloroisopropyl)ether	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
bis(2-Ethylhexyl)phthalate	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
4-Bromophenyl phenyl ether	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-05 | **Client Sample Name:** 7376, MW-2C@30, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
4-Chloroaniline	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2-Chloronaphthalene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
4-Chlorophenyl phenyl ether	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Chrysene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
4,4'-DDD	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
4,4'-DDE	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
4,4'-DDT	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Dibenzo[a,h]anthracene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Dibenzofuran	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
1,2-Dichlorobenzene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
1,3-Dichlorobenzene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
1,4-Dichlorobenzene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
3,3-Dichlorobenzidine	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Dieldrin	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Diethyl phthalate	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Dimethyl phthalate	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Di-n-butyl phthalate	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2,4-Dinitrotoluene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2,6-Dinitrotoluene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Di-n-octyl phthalate	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
1,2-Diphenylhydrazine	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Endosulfan I	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Endosulfan II	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-05 | **Client Sample Name:** 7376, MW-2C@30, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Endosulfan sulfate	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Endrin	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Endrin aldehyde	ND	mg/kg	12		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Fluoranthene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Fluorene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Heptachlor	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Heptachlor epoxide	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Hexachlorobenzene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Hexachlorobutadiene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Hexachlorocyclopentadiene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Hexachloroethane	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Indeno[1,2,3-cd]pyrene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Isophorone	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2-Methylnaphthalene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Naphthalene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2-Naphthylamine	ND	mg/kg	74		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2-Nitroaniline	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
3-Nitroaniline	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
4-Nitroaniline	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Nitrobenzene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
N-Nitrosodimethylamine	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
N-Nitrosodi-N-propylamine	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
N-Nitrosodiphenylamine	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-05 | **Client Sample Name:** 7376, MW-2C@30, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Phenanthrene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Pyrene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
1,2,4-Trichlorobenzene	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
4-Chloro-3-methylphenol	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2-Chlorophenol	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2,4-Dichlorophenol	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2,4-Dimethylphenol	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
4,6-Dinitro-2-methylphenol	ND	mg/kg	12		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2,4-Dinitrophenol	ND	mg/kg	12		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2-Methylphenol	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
3- & 4-Methylphenol	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2-Nitrophenol	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
4-Nitrophenol	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Pentachlorophenol	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
Phenol	ND	mg/kg	2.5		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2,4,5-Trichlorophenol	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2,4,6-Trichlorophenol	ND	mg/kg	5.0		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688	ND	A10
2-Fluorophenol (Surrogate)	83.7	%	42 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688		A10
Phenol-d5 (Surrogate)	93.4	%	36 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688		A10
Nitrobenzene-d5 (Surrogate)	88.7	%	34 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688		A10
2-Fluorobiphenyl (Surrogate)	109	%	40 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688		A10
2,4,6-Tribromophenol (Surrogate)	90.3	%	54 - 162 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688		A10
p-Terphenyl-d14 (Surrogate)	101	%	20 - 176 (LCL - UCL)		EPA-8270C	06/22/09	06/29/09 17:37	SKC	MS-B2	24.752	BSF1688		A10

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0907815-05 | **Client Sample Name:** 7376, MW-2C@30, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Light Naptha	ND	mg/kg	1200		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Aviation Gas	ND	mg/kg	1200		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Stoddard Solvent	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Heavy Naptha	ND	mg/kg	250		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Gasoline	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Jet Fuel (JP4)	ND	mg/kg	250		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Jet Fuel (JP5)	ND	mg/kg	250		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Jet Fuel (JP8)	ND	mg/kg	250		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Kerosene	ND	mg/kg	250		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Diesel (FFP)	**1500**	**mg/kg**	**250**		**Luft/FFP**	**06/17/09**	**06/22/09 09:08**	**CKD**	**GC-2**	**25.084**	**BSF1330**	**ND**	**A01**
TPH - Fuel Oil #6	ND	mg/kg	250		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Crude Oil	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
TPH - Hydraulic Oil / Motor Oil	**1100**	**mg/kg**	**500**		**Luft/FFP**	**06/17/09**	**06/22/09 09:08**	**CKD**	**GC-2**	**25.084**	**BSF1330**	**ND**	**A01**
TPH - WD-40	ND	mg/kg	250		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330	ND	A01
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		Luft/FFP	06/17/09	06/22/09 09:08	CKD	GC-2	25.084	BSF1330		A01,A17

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-06 | **Client Sample Name:** 7376, MW-2C@35, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**19**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
Bromobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Bromochloromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Bromodichloromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Bromoform	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Bromomethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
n-Butylbenzene	**1.4**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
sec-Butylbenzene	**0.34**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
tert-Butylbenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Carbon tetrachloride	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Chlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Chloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Chloroform	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Chloromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
2-Chlorotoluene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
4-Chlorotoluene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Dibromochloromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dibromoethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Dibromomethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,3-Dichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,4-Dichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-06 | **Client Sample Name:** 7376, MW-2C@35, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,1-Dichloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dichloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,1-Dichloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
cis-1,2-Dichloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
trans-1,2-Dichloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Total 1,2-Dichloroethene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,2-Dichloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,3-Dichloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
2,2-Dichloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,1-Dichloropropene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
cis-1,3-Dichloropropene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
trans-1,3-Dichloropropene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Total 1,3-Dichloropropene	ND	mg/kg	0.50		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Ethylbenzene	**3.9**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
Hexachlorobutadiene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Isopropylbenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
p-Isopropyltoluene	**0.57**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
Methylene chloride	ND	mg/kg	0.50		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Methyl t-butyl ether	**6.6**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
Naphthalene	**0.60**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
n-Propylbenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Styrene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-06 | **Client Sample Name:** 7376, MW-2C@35, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Tetrachloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Toluene	**2.9**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
1,2,3-Trichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,2,4-Trichlorobenzene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,1,1-Trichloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,1,2-Trichloroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Trichloroethene	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Trichlorofluoromethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,2,3-Trichloropropane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
1,2,4-Trimethylbenzene	**4.6**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
1,3,5-Trimethylbenzene	**0.65**	**mg/kg**	**0.25**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
Vinyl chloride	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Total Xylenes	**15**	**mg/kg**	**0.50**		**EPA-8260**	**06/16/09**	**06/18/09 02:53**	**JSK**	**MS-V3**	**50**	**BSF1054**	**ND**	**A01**
t-Amyl Methyl ether	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
t-Butyl alcohol	ND	mg/kg	2.5		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Diisopropyl ether	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Ethanol	ND	mg/kg	50		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Ethyl t-butyl ether	ND	mg/kg	0.25		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054	ND	A01
Total Purgeable Petroleum Hydrocarbons	**540**	**mg/kg**	**100**		**Luft-GC/MS**	**06/16/09**	**06/17/09 01:01**	**JSK**	**MS-V3**	**500**	**BSF1054**	**ND**	**A01**

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-06 | **Client Sample Name:** 7376, MW-2C@35, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054		
1,2-Dichloroethane-d4 (Surrogate)	93.0	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 01:01	JSK	MS-V3	500	BSF1054		
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 01:01	JSK	MS-V3	500	BSF1054		
Toluene-d8 (Surrogate)	109	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054		
4-Bromofluorobenzene (Surrogate)	117	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/18/09 02:53	JSK	MS-V3	50	BSF1054		
4-Bromofluorobenzene (Surrogate)	100	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 01:01	JSK	MS-V3	500	BSF1054		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-06 | **Client Sample Name:** 7376, MW-2C@35, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Acenaphthylene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Aldrin	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Aniline	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Anthracene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Benzidine	ND	mg/kg	45		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Benzo[a]anthracene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Benzo[b]fluoranthene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Benzo[k]fluoranthene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Benzo[a]pyrene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Benzo[g,h,i]perylene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Benzoic acid	ND	mg/kg	7.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Benzyl alcohol	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Benzyl butyl phthalate	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
alpha-BHC	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
beta-BHC	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
delta-BHC	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
gamma-BHC (Lindane)	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
bis(2-Chloroethoxy)methane	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
bis(2-Chloroethyl) ether	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
bis(2-Chloroisopropyl)ether	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
bis(2-Ethylhexyl)phthalate	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
4-Bromophenyl phenyl ether	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-06 | **Client Sample Name:** 7376, MW-2C@35, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
4-Chloroaniline	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2-Chloronaphthalene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
4-Chlorophenyl phenyl ether	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Chrysene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
4,4'-DDD	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
4,4'-DDE	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
4,4'-DDT	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Dibenzo[a,h]anthracene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Dibenzofuran	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
1,2-Dichlorobenzene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
1,3-Dichlorobenzene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
1,4-Dichlorobenzene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
3,3-Dichlorobenzidine	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Dieldrin	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Diethyl phthalate	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Dimethyl phthalate	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Di-n-butyl phthalate	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2,4-Dinitrotoluene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2,6-Dinitrotoluene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Di-n-octyl phthalate	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
1,2-Diphenylhydrazine	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Endosulfan I	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Endosulfan II	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-06 | **Client Sample Name:** 7376, MW-2C@35, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Endosulfan sulfate	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Endrin	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Endrin aldehyde	ND	mg/kg	7.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Fluoranthene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Fluorene	**6.2**	**mg/kg**	**1.5**		**EPA-8270C**	**06/22/09**	**06/30/09 07:05**	**SKC**	**MS-B1**	**15**	**BSF1688**	**ND**	**A10**
Heptachlor	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Heptachlor epoxide	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Hexachlorobenzene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Hexachlorobutadiene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Hexachlorocyclopentadiene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Hexachloroethane	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Indeno[1,2,3-cd]pyrene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Isophorone	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2-Methylnaphthalene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Naphthalene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2-Naphthylamine	ND	mg/kg	45		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2-Nitroaniline	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
3-Nitroaniline	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
4-Nitroaniline	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Nitrobenzene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
N-Nitrosodimethylamine	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
N-Nitrosodi-N-propylamine	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
N-Nitrosodiphenylamine	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-06 | **Client Sample Name:** 7376, MW-2C@35, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Phenanthrene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Pyrene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
1,2,4-Trichlorobenzene	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
4-Chloro-3-methylphenol	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2-Chlorophenol	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2,4-Dichlorophenol	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2,4-Dimethylphenol	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
4,6-Dinitro-2-methylphenol	ND	mg/kg	7.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2,4-Dinitrophenol	ND	mg/kg	7.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2-Methylphenol	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
3- & 4-Methylphenol	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2-Nitrophenol	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
4-Nitrophenol	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Pentachlorophenol	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
Phenol	ND	mg/kg	1.5		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2,4,5-Trichlorophenol	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2,4,6-Trichlorophenol	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688	ND	A10
2-Fluorophenol (Surrogate)	88.1	%	42 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688		A10
Phenol-d5 (Surrogate)	94.6	%	36 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688		A10
Nitrobenzene-d5 (Surrogate)	94.0	%	34 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688		A10
2-Fluorobiphenyl (Surrogate)	103	%	40 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688		A10
2,4,6-Tribromophenol (Surrogate)	104	%	54 - 162 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688		A10
p-Terphenyl-d14 (Surrogate)	119	%	20 - 176 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:05	SKC	MS-B1	15	BSF1688		A10

Delta Environmental Consultants, Inc.
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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0907815-06 | **Client Sample Name:** 7376, MW-2C@35, 6/12/2009 8:40:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Light Naptha	ND	mg/kg	5000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Aviation Gas	ND	mg/kg	5000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Stoddard Solvent	ND	mg/kg	2000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Heavy Naptha	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Gasoline	ND	mg/kg	2000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Jet Fuel (JP4)	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Jet Fuel (JP5)	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Jet Fuel (JP8)	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Kerosene	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Diesel (FFP)	**15000**	**mg/kg**	**1000**		**Luft/FFP**	**06/17/09**	**06/22/09 09:32**	**CKD**	**GC-2**	**100.33**	**BSF1330**	**ND**	**A01**
TPH - Fuel Oil #6	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Crude Oil	ND	mg/kg	2000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
TPH - Hydraulic Oil / Motor Oil	**11000**	**mg/kg**	**2000**		**Luft/FFP**	**06/17/09**	**06/22/09 09:32**	**CKD**	**GC-2**	**100.33**	**BSF1330**	**ND**	**A01**
TPH - WD-40	ND	mg/kg	1000		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330	ND	A01
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		Luft/FFP	06/17/09	06/22/09 09:32	CKD	GC-2	100.33	BSF1330		A01,A17

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-07 | **Client Sample Name:** 7376, MW-2C@40, 6/12/2009 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**0.056**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:23**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Bromobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Bromoform	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Bromomethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
n-Butylbenzene	**0.010**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:23**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Chloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Chloroform	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Chloromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Dibromomethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-07 | **Client Sample Name:** 7376, MW-2C@40, 6/12/2009 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Ethylbenzene	**0.021**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:23**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Isopropylbenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Methylene chloride	ND	mg/kg	0.010		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Methyl t-butyl ether	**0.39**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:23**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Naphthalene	**0.0074**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:23**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
n-Propylbenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Styrene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-07 | **Client Sample Name:** 7376, MW-2C@40, 6/12/2009 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Toluene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Trichloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,2,4-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Total Xylenes	ND	mg/kg	0.010		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
t-Butyl alcohol	**0.45**	**mg/kg**	**0.050**		**EPA-8260**	**06/16/09**	**06/17/09 23:23**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Ethanol	ND	mg/kg	1.0		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054	ND	
Total Purgeable Petroleum Hydrocarbons	**1.2**	**mg/kg**	**0.20**		**Luft-GC/MS**	**06/16/09**	**06/17/09 23:23**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-07 | **Client Sample Name:** 7376, MW-2C@40, 6/12/2009 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	92.7	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054		
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054		
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 23:23	JSK	MS-V3	1	BSF1054		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-07 | **Client Sample Name:** 7376, MW-2C@40, 6/12/2009 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Aldrin	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Aniline	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Anthracene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Benzidine	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
beta-BHC	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
delta-BHC	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-07 | **Client Sample Name:** 7376, MW-2C@40, 6/12/2009 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Chrysene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Dieldrin	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-07 | **Client Sample Name:** 7376, MW-2C@40, 6/12/2009 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Endrin	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Fluorene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Heptachlor	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Isophorone	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Naphthalene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-07 | **Client Sample Name:** 7376, MW-2C@40, 6/12/2009 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Pyrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
Phenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688	ND	
2-Fluorophenol (Surrogate)	66.3	%	42 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688		
Phenol-d5 (Surrogate)	74.4	%	36 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688		
Nitrobenzene-d5 (Surrogate)	72.1	%	34 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688		
2-Fluorobiphenyl (Surrogate)	72.5	%	40 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688		
2,4,6-Tribromophenol (Surrogate)	91.3	%	54 - 162 (LCL - UCL)		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688		
p-Terphenyl-d14 (Surrogate)	96.7	%	20 - 176 (LCL - UCL)		EPA-8270C	06/22/09	06/25/09 03:23	SKC	MS-B2	1	BSF1688		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0907815-07 | **Client Sample Name:** 7376, MW-2C@40, 6/12/2009 8:50:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Light Naptha	ND	mg/kg	50		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Aviation Gas	ND	mg/kg	50		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Stoddard Solvent	ND	mg/kg	20		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Heavy Naptha	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Gasoline	ND	mg/kg	20		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Jet Fuel (JP4)	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Jet Fuel (JP5)	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Jet Fuel (JP8)	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Kerosene	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Diesel (FFP)	**53**	**mg/kg**	**10**		**Luft/FFP**	**06/17/09**	**06/22/09 09:55**	**CKD**	**GC-2**	**0.997**	**BSF1330**	**ND**	
TPH - Fuel Oil #6	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Crude Oil	ND	mg/kg	20		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
TPH - Hydraulic Oil / Motor Oil	**44**	**mg/kg**	**20**		**Luft/FFP**	**06/17/09**	**06/22/09 09:55**	**CKD**	**GC-2**	**0.997**	**BSF1330**	**ND**	
TPH - WD-40	ND	mg/kg	10		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330	ND	
Tetracosane (Surrogate)	84.3	%	20 - 145 (LCL - UCL)		Luft/FFP	06/17/09	06/22/09 09:55	CKD	GC-2	0.997	BSF1330		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-08 | **Client Sample Name:** 7376, MW-2C@45, 6/12/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**0.050**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Bromobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Bromochloromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Bromodichloromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Bromoform	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Bromomethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
n-Butylbenzene	**0.032**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
sec-Butylbenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
tert-Butylbenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Carbon tetrachloride	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Chlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Chloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Chloroform	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Chloromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
2-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
4-Chlorotoluene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Dibromochloromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Dibromomethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,2-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,3-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,4-Dichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-08 | **Client Sample Name:** 7376, MW-2C@45, 6/12/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,1-Dichloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,1-Dichloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Total 1,2-Dichloroethene	ND	mg/kg	0.010		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,3-Dichloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
2,2-Dichloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,1-Dichloropropene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Total 1,3-Dichloropropene	ND	mg/kg	0.010		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Ethylbenzene	**0.22**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Hexachlorobutadiene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Isopropylbenzene	**0.011**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
p-Isopropyltoluene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Methylene chloride	ND	mg/kg	0.010		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Methyl t-butyl ether	**0.075**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Naphthalene	**0.026**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
n-Propylbenzene	**0.064**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Styrene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-08 | **Client Sample Name:** 7376, MW-2C@45, 6/12/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Tetrachloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Toluene	**0.017**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
1,2,3-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,1,1-Trichloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,1,2-Trichloroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Trichloroethene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Trichlorofluoromethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,2,3-Trichloropropane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
1,2,4-Trimethylbenzene	**0.072**	**mg/kg**	**0.0050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
1,3,5-Trimethylbenzene	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Vinyl chloride	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Total Xylenes	**0.082**	**mg/kg**	**0.010**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
t-Amyl Methyl ether	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
t-Butyl alcohol	**0.55**	**mg/kg**	**0.050**		**EPA-8260**	**06/16/09**	**06/17/09 23:49**	**JSK**	**MS-V3**	**1**	**BSF1054**	**ND**	
Diisopropyl ether	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Ethanol	ND	mg/kg	1.0		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054	ND	
Total Purgeable Petroleum Hydrocarbons	**37**	**mg/kg**	**20**		**Luft-GC/MS**	**06/16/09**	**06/17/09 01:53**	**JSK**	**MS-V3**	**100**	**BSF1054**	**ND**	**A01**

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0907815-08 | **Client Sample Name:** 7376, MW-2C@45, 6/12/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	97.3	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054		
1,2-Dichloroethane-d4 (Surrogate)	95.1	%	70 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 01:53	JSK	MS-V3	100	BSF1054		
Toluene-d8 (Surrogate)	99.8	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054		
Toluene-d8 (Surrogate)	99.0	%	81 - 117 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 01:53	JSK	MS-V3	100	BSF1054		
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 01:53	JSK	MS-V3	100	BSF1054		
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260	06/16/09	06/17/09 23:49	JSK	MS-V3	1	BSF1054		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-08 | **Client Sample Name:** 7376, MW-2C@45, 6/12/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Acenaphthylene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Aldrin	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Aniline	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Anthracene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Benzidine	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Benzo[a]anthracene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Benzo[b]fluoranthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Benzo[k]fluoranthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Benzo[a]pyrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Benzo[g,h,i]perylene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Benzoic acid	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Benzyl alcohol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Benzyl butyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
alpha-BHC	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
beta-BHC	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
delta-BHC	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
gamma-BHC (Lindane)	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
bis(2-Chloroethoxy)methane	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
bis(2-Chloroethyl) ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
bis(2-Chloroisopropyl)ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
4-Bromophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-08 | **Client Sample Name:** 7376, MW-2C@45, 6/12/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
4-Chloroaniline	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2-Chloronaphthalene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
4-Chlorophenyl phenyl ether	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Chrysene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
4,4'-DDD	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
4,4'-DDE	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
4,4'-DDT	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Dibenzo[a,h]anthracene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Dibenzofuran	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
1,2-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
1,3-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
1,4-Dichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
3,3-Dichlorobenzidine	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Dieldrin	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Diethyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Dimethyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Di-n-butyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2,4-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2,6-Dinitrotoluene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Di-n-octyl phthalate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
1,2-Diphenylhydrazine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Endosulfan I	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Endosulfan II	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-08 | **Client Sample Name:** 7376, MW-2C@45, 6/12/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Endosulfan sulfate	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Endrin	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Endrin aldehyde	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Fluoranthene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Fluorene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Heptachlor	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Heptachlor epoxide	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Hexachlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Hexachlorobutadiene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Hexachlorocyclopentadiene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Hexachloroethane	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Indeno[1,2,3-cd]pyrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Isophorone	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2-Methylnaphthalene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Naphthalene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2-Naphthylamine	ND	mg/kg	3.0		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2-Nitroaniline	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
3-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
4-Nitroaniline	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Nitrobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
N-Nitrosodimethylamine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
N-Nitrosodi-N-propylamine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
N-Nitrosodiphenylamine	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 0907815-08 | **Client Sample Name:** 7376, MW-2C@45, 6/12/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Phenanthrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Pyrene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
1,2,4-Trichlorobenzene	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
4-Chloro-3-methylphenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2-Chlorophenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2,4-Dichlorophenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2,4-Dimethylphenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
4,6-Dinitro-2-methylphenol	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2,4-Dinitrophenol	ND	mg/kg	0.50		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2-Methylphenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
3- & 4-Methylphenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2-Nitrophenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
4-Nitrophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Pentachlorophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
Phenol	ND	mg/kg	0.10		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2,4,5-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2,4,6-Trichlorophenol	ND	mg/kg	0.20		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688	ND	
2-Fluorophenol (Surrogate)	80.7	%	42 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688		
Phenol-d5 (Surrogate)	85.6	%	36 - 137 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688		
Nitrobenzene-d5 (Surrogate)	81.5	%	34 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688		
2-Fluorobiphenyl (Surrogate)	89.4	%	40 - 135 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688		
2,4,6-Tribromophenol (Surrogate)	93.9	%	54 - 162 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688		
p-Terphenyl-d14 (Surrogate)	115	%	20 - 176 (LCL - UCL)		EPA-8270C	06/22/09	06/30/09 07:33	SKC	MS-B1	0.977	BSF1688		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0907815-08 | **Client Sample Name:** 7376, MW-2C@45, 6/12/2009 8:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
TPH - Light Naptha	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Aviation Gas	ND	mg/kg	500		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Stoddard Solvent	ND	mg/kg	200		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Heavy Naptha	ND	mg/kg	100		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Gasoline	ND	mg/kg	200		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Jet Fuel (JP4)	ND	mg/kg	100		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Jet Fuel (JP5)	ND	mg/kg	100		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Jet Fuel (JP8)	ND	mg/kg	100		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Kerosene	ND	mg/kg	100		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Diesel (FFP)	**1300**	**mg/kg**	**100**		**Luft/FFP**	**06/17/09**	**06/22/09 10:18**	**CKD**	**GC-2**	**10.169**	**BSF1330**	**ND**	**A01**
TPH - Fuel Oil #6	ND	mg/kg	100		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Crude Oil	ND	mg/kg	200		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
TPH - Hydraulic Oil / Motor Oil	**970**	**mg/kg**	**200**		**Luft/FFP**	**06/17/09**	**06/22/09 10:18**	**CKD**	**GC-2**	**10.169**	**BSF1330**	**ND**	**A01**
TPH - WD-40	ND	mg/kg	100		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330	ND	A01
Tetracosane (Surrogate)	0	%	20 - 145 (LCL - UCL)		Luft/FFP	06/17/09	06/22/09 10:18	CKD	GC-2	10.169	BSF1330		A01,A17

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Project Number: [none]
Project Manager: John Reay

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BSF1054	Matrix Spike	0906490-54	0	0.13209	0.12500	mg/kg		106		70 - 130	
		Matrix Spike Duplicate	0906490-54	0	0.13345	0.12500	mg/kg	0.9	107	20	70 - 130	
Bromodichloromethane	BSF1054	Matrix Spike	0906490-54	0	0.13202	0.12500	mg/kg		106		70 - 130	
		Matrix Spike Duplicate	0906490-54	0	0.12852	0.12500	mg/kg	2.9	103	20	70 - 130	
Chlorobenzene	BSF1054	Matrix Spike	0906490-54	0	0.12540	0.12500	mg/kg		100		70 - 130	
		Matrix Spike Duplicate	0906490-54	0	0.12576	0.12500	mg/kg	1.0	101	20	70 - 130	
Chloroethane	BSF1054	Matrix Spike	0906490-54	0	0.13010	0.12500	mg/kg		104		70 - 130	
		Matrix Spike Duplicate	0906490-54	0	0.13499	0.12500	mg/kg	3.8	108	20	70 - 130	
1,4-Dichlorobenzene	BSF1054	Matrix Spike	0906490-54	0	0.13417	0.12500	mg/kg		107		70 - 130	
		Matrix Spike Duplicate	0906490-54	0	0.12876	0.12500	mg/kg	3.8	103	20	70 - 130	
1,1-Dichloroethane	BSF1054	Matrix Spike	0906490-54	0	0.12192	0.12500	mg/kg		97.5		70 - 130	
		Matrix Spike Duplicate	0906490-54	0	0.13100	0.12500	mg/kg	7.4	105	20	70 - 130	
1,1-Dichloroethene	BSF1054	Matrix Spike	0906490-54	0	0.12285	0.12500	mg/kg		98.3		70 - 130	
		Matrix Spike Duplicate	0906490-54	0	0.12257	0.12500	mg/kg	0.2	98.1	20	70 - 130	
Toluene	BSF1054	Matrix Spike	0906490-54	0	0.13040	0.12500	mg/kg		104		70 - 130	
		Matrix Spike Duplicate	0906490-54	0	0.12983	0.12500	mg/kg	0	104	20	70 - 130	
Trichloroethene	BSF1054	Matrix Spike	0906490-54	0	0.13161	0.12500	mg/kg		105		70 - 130	
		Matrix Spike Duplicate	0906490-54	0	0.13144	0.12500	mg/kg	0	105	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSF1054	Matrix Spike	0906490-54	ND	0.053211	0.050000	mg/kg		106		70 - 121	
		Matrix Spike Duplicate	0906490-54	ND	0.051185	0.050000	mg/kg		102		70 - 121	
Toluene-d8 (Surrogate)	BSF1054	Matrix Spike	0906490-54	ND	0.050273	0.050000	mg/kg		101		81 - 117	
		Matrix Spike Duplicate	0906490-54	ND	0.050093	0.050000	mg/kg		100		81 - 117	
4-Bromofluorobenzene (Surrogate)	BSF1054	Matrix Spike	0906490-54	ND	0.051548	0.050000	mg/kg		103		74 - 121	
		Matrix Spike Duplicate	0906490-54	ND	0.049510	0.050000	mg/kg		99.0		74 - 121	

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Project Number: [none]
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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Acenaphthene	BSF1688	Matrix Spike	0907815-07	0	1.1284	1.6340	mg/kg		69.1		36 - 158	
		Matrix Spike Duplicate	0907815-07	0	1.1329	1.6447	mg/kg	0.3	68.9	29	36 - 158	
1,4-Dichlorobenzene	BSF1688	Matrix Spike	0907815-07	0	1.0378	1.6340	mg/kg		63.5		33 - 135	
		Matrix Spike Duplicate	0907815-07	0	1.0076	1.6447	mg/kg	3.5	61.3	26	33 - 135	
2,4-Dinitrotoluene	BSF1688	Matrix Spike	0907815-07	0	1.1415	1.6340	mg/kg		69.9		52 - 137	
		Matrix Spike Duplicate	0907815-07	0	1.1942	1.6447	mg/kg	3.8	72.6	26	52 - 137	
Hexachlorobenzene	BSF1688	Matrix Spike	0907815-07	0	1.1778	1.6340	mg/kg		72.1		44 - 152	
		Matrix Spike Duplicate	0907815-07	0	1.2462	1.6447	mg/kg	5.0	75.8	20	44 - 152	
Hexachlorobutadiene	BSF1688	Matrix Spike	0907815-07	0	0.93476	1.6340	mg/kg		57.2		33 - 127	
		Matrix Spike Duplicate	0907815-07	0	1.0278	1.6447	mg/kg	8.9	62.5	27	33 - 127	
Hexachloroethane	BSF1688	Matrix Spike	0907815-07	0	0.96354	1.6340	mg/kg		59.0		29 - 129	
		Matrix Spike Duplicate	0907815-07	0	1.0405	1.6447	mg/kg	7.0	63.3	27	29 - 129	
Nitrobenzene	BSF1688	Matrix Spike	0907815-07	0	1.0824	1.6340	mg/kg		66.2		39 - 137	
		Matrix Spike Duplicate	0907815-07	0	1.1157	1.6447	mg/kg	2.4	67.8	23	39 - 137	
N-Nitrosodi-N-propylamine	BSF1688	Matrix Spike	0907815-07	0	1.3620	1.6340	mg/kg		83.4		35 - 123	
		Matrix Spike Duplicate	0907815-07	0	1.3500	1.6447	mg/kg	1.6	82.1	30	35 - 123	
Pyrene	BSF1688	Matrix Spike	0907815-07	0.011457	1.3857	1.6340	mg/kg		84.1		36 - 161	
		Matrix Spike Duplicate	0907815-07	0.011457	1.1000	1.6447	mg/kg	23.8	66.2	25	36 - 161	
1,2,4-Trichlorobenzene	BSF1688	Matrix Spike	0907815-07	0	1.0572	1.6340	mg/kg		64.7		41 - 135	
		Matrix Spike Duplicate	0907815-07	0	1.1058	1.6447	mg/kg	3.8	67.2	28	41 - 135	
4-Chloro-3-methylphenol	BSF1688	Matrix Spike	0907815-07	0	1.2658	1.6340	mg/kg		77.5		54 - 144	
		Matrix Spike Duplicate	0907815-07	0	1.2940	1.6447	mg/kg	1.5	78.7	21	54 - 144	
2-Chlorophenol	BSF1688	Matrix Spike	0907815-07	0	1.1101	1.6340	mg/kg		67.9		43 - 126	
		Matrix Spike Duplicate	0907815-07	0	1.0765	1.6447	mg/kg	3.6	65.5	21	43 - 126	
2-Methylphenol	BSF1688	Matrix Spike	0907815-07	0	1.1909	1.6340	mg/kg		72.9		40 - 133	
		Matrix Spike Duplicate	0907815-07	0	1.1669	1.6447	mg/kg	2.8	70.9	19	40 - 133	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
3- & 4-Methylphenol	BSF1688	Matrix Spike	0907815-07	0	2.1144	3.2680	mg/kg		64.7		10 - 216	
		Matrix Spike Duplicate	0907815-07	0	2.0927	3.2895	mg/kg	1.7	63.6	17	10 - 216	
4-Nitrophenol	BSF1688	Matrix Spike	0907815-07	0	0.99982	1.6340	mg/kg		61.2		10 - 154	
		Matrix Spike Duplicate	0907815-07	0	1.0351	1.6447	mg/kg	2.7	62.9	26	10 - 154	
Pentachlorophenol	BSF1688	Matrix Spike	0907815-07	0	1.2107	1.6340	mg/kg		74.1		26 - 183	
		Matrix Spike Duplicate	0907815-07	0	1.3592	1.6447	mg/kg	10.8	82.6	26	26 - 183	
Phenol	BSF1688	Matrix Spike	0907815-07	0	1.1383	1.6340	mg/kg		69.7		39 - 123	
		Matrix Spike Duplicate	0907815-07	0	1.1286	1.6447	mg/kg	1.6	68.6	21	39 - 123	
2,4,6-Trichlorophenol	BSF1688	Matrix Spike	0907815-07	0	1.2804	1.6340	mg/kg		78.4		50 - 140	
		Matrix Spike Duplicate	0907815-07	0	1.3775	1.6447	mg/kg	6.7	83.8	19	50 - 140	
2-Fluorophenol (Surrogate)	BSF1688	Matrix Spike	0907815-07	ND	1.8346	2.6144	mg/kg		70.2		42 - 137	
		Matrix Spike Duplicate	0907815-07	ND	1.8632	2.6316	mg/kg		70.8		42 - 137	
Phenol-d5 (Surrogate)	BSF1688	Matrix Spike	0907815-07	ND	2.0324	2.6144	mg/kg		77.7		36 - 137	
		Matrix Spike Duplicate	0907815-07	ND	1.9977	2.6316	mg/kg		75.9		36 - 137	
Nitrobenzene-d5 (Surrogate)	BSF1688	Matrix Spike	0907815-07	ND	2.0461	2.6144	mg/kg		78.3		34 - 135	
		Matrix Spike Duplicate	0907815-07	ND	2.0079	2.6316	mg/kg		76.3		34 - 135	
2-Fluorobiphenyl (Surrogate)	BSF1688	Matrix Spike	0907815-07	ND	2.0049	2.6144	mg/kg		76.7		40 - 135	
		Matrix Spike Duplicate	0907815-07	ND	2.0434	2.6316	mg/kg		77.6		40 - 135	
2,4,6-Tribromophenol (Surrogate)	BSF1688	Matrix Spike	0907815-07	ND	2.3827	2.6144	mg/kg		91.1		54 - 162	
		Matrix Spike Duplicate	0907815-07	ND	2.4576	2.6316	mg/kg		93.4		54 - 162	
p-Terphenyl-d14 (Surrogate)	BSF1688	Matrix Spike	0907815-07	ND	1.2098	1.3072	mg/kg		92.5		20 - 176	
		Matrix Spike Duplicate	0907815-07	ND	1.0799	1.3158	mg/kg		82.1		20 - 176	

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Project Manager: John Reay

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
TPH - Diesel (FFP)	BSF1330	Matrix Spike	0905143-78	0	81.752	82.781	mg/kg		98.8		52 - 131	
		Matrix Spike Duplicate	0905143-78	0	78.574	82.508	mg/kg	3.7	95.2	30	52 - 131	
Tetracosane (Surrogate)	BSF1330	Matrix Spike	0905143-78	ND	3.2579	3.3113	mg/kg		98.4		20 - 145	
		Matrix Spike Duplicate	0905143-78	ND	3.1909	3.3003	mg/kg		96.7		20 - 145	

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Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Lead	BSF1305	Duplicate	0907833-01	2.1420	ND		mg/kg			20		
		Matrix Spike	0907833-01	2.1420	91.675	97.087	mg/kg		92.2		75 - 125	
		Matrix Spike Duplicate	0907833-01	2.1420	88.668	97.087	mg/kg	3.4	89.1	20	75 - 125	

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Project: 7376
Project Number: [none]
Project Manager: John Reay

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BSF1054	BSF1054-BS1	LCS	0.12515	0.12500	0.0050	mg/kg	100		70 - 130		
Bromodichloromethane	BSF1054	BSF1054-BS1	LCS	0.12318	0.12500	0.0050	mg/kg	98.5		70 - 130		
Chlorobenzene	BSF1054	BSF1054-BS1	LCS	0.12394	0.12500	0.0050	mg/kg	99.2		70 - 130		
Chloroethane	BSF1054	BSF1054-BS1	LCS	0.12761	0.12500	0.0050	mg/kg	102		70 - 130		
1,4-Dichlorobenzene	BSF1054	BSF1054-BS1	LCS	0.12558	0.12500	0.0050	mg/kg	100		70 - 130		
1,1-Dichloroethane	BSF1054	BSF1054-BS1	LCS	0.12296	0.12500	0.0050	mg/kg	98.4		70 - 130		
1,1-Dichloroethene	BSF1054	BSF1054-BS1	LCS	0.11634	0.12500	0.0050	mg/kg	93.1		70 - 130		
Toluene	BSF1054	BSF1054-BS1	LCS	0.12345	0.12500	0.0050	mg/kg	98.8		70 - 130		
Trichloroethene	BSF1054	BSF1054-BS1	LCS	0.12354	0.12500	0.0050	mg/kg	98.8		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSF1054	BSF1054-BS1	LCS	0.048971	0.050000		mg/kg	97.9		70 - 121		
Toluene-d8 (Surrogate)	BSF1054	BSF1054-BS1	LCS	0.050234	0.050000		mg/kg	100		81 - 117		
4-Bromofluorobenzene (Surrogate)	BSF1054	BSF1054-BS1	LCS	0.051046	0.050000		mg/kg	102		74 - 121		

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Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Acenaphthene	BSF1688	BSF1688-BS1	LCS	1.3456	1.6556	0.10	mg/kg	81.3		39 - 167		
1,4-Dichlorobenzene	BSF1688	BSF1688-BS1	LCS	1.2377	1.6556	0.10	mg/kg	74.8		46 - 131		
2,4-Dinitrotoluene	BSF1688	BSF1688-BS1	LCS	1.3722	1.6556	0.10	mg/kg	82.9		58 - 139		
Hexachlorobenzene	BSF1688	BSF1688-BS1	LCS	1.3534	1.6556	0.10	mg/kg	81.7		53 - 151		
Hexachlorobutadiene	BSF1688	BSF1688-BS1	LCS	1.1510	1.6556	0.10	mg/kg	69.5		48 - 120		
Hexachloroethane	BSF1688	BSF1688-BS1	LCS	1.1908	1.6556	0.10	mg/kg	71.9		44 - 124		
Nitrobenzene	BSF1688	BSF1688-BS1	LCS	1.2515	1.6556	0.10	mg/kg	75.6		39 - 143		
N-Nitrosodi-N-propylamine	BSF1688	BSF1688-BS1	LCS	1.5292	1.6556	0.10	mg/kg	92.4		36 - 128		
Pyrene	BSF1688	BSF1688-BS1	LCS	1.5521	1.6556	0.10	mg/kg	93.7		45 - 170		
1,2,4-Trichlorobenzene	BSF1688	BSF1688-BS1	LCS	1.2520	1.6556	0.10	mg/kg	75.6		55 - 128		
4-Chloro-3-methylphenol	BSF1688	BSF1688-BS1	LCS	1.4084	1.6556	0.20	mg/kg	85.1		49 - 153		
2-Chlorophenol	BSF1688	BSF1688-BS1	LCS	1.2238	1.6556	0.10	mg/kg	73.9		46 - 128		
2-Methylphenol	BSF1688	BSF1688-BS1	LCS	1.2696	1.6556	0.10	mg/kg	76.7		40 - 138		
3- & 4-Methylphenol	BSF1688	BSF1688-BS1	LCS	2.3260	3.3113	0.20	mg/kg	70.2		10 - 230		
4-Nitrophenol	BSF1688	BSF1688-BS1	LCS	1.0745	1.6556	0.20	mg/kg	64.9		13 - 145		
Pentachlorophenol	BSF1688	BSF1688-BS1	LCS	1.2862	1.6556	0.20	mg/kg	77.7		50 - 170		
Phenol	BSF1688	BSF1688-BS1	LCS	1.2731	1.6556	0.10	mg/kg	76.9		41 - 126		
2,4,6-Trichlorophenol	BSF1688	BSF1688-BS1	LCS	1.4450	1.6556	0.20	mg/kg	87.3		53 - 144		
2-Fluorophenol (Surrogate)	BSF1688	BSF1688-BS1	LCS	2.0618	2.6490		mg/kg	77.8		42 - 137		
Phenol-d5 (Surrogate)	BSF1688	BSF1688-BS1	LCS	2.2579	2.6490		mg/kg	85.2		36 - 137		
Nitrobenzene-d5 (Surrogate)	BSF1688	BSF1688-BS1	LCS	2.2646	2.6490		mg/kg	85.5		34 - 135		
2-Fluorobiphenyl (Surrogate)	BSF1688	BSF1688-BS1	LCS	2.2592	2.6490		mg/kg	85.3		40 - 135		
2,4,6-Tribromophenol (Surrogate)	BSF1688	BSF1688-BS1	LCS	2.5790	2.6490		mg/kg	97.4		54 - 162		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Control Limits: Percent Recovery	RPD	Control Limits: Percent Recovery	RPD	Lab Quals
p-Terphenyl-d14 (Surrogate)	BSF1688	BSF1688-BS1	LCS	1.4648	1.3245		mg/kg	111		20 - 176		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
TPH - Diesel (FFP)	BSF1330	BSF1330-BS1	LCS	82.135	84.175	10	mg/kg	97.6		64 - 124		
Tetracosane (Surrogate)	BSF1330	BSF1330-BS1	LCS	3.2744	3.3670		mg/kg	97.2		20 - 145		

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Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Lead	BSF1305	BSF1305-BS1	LCS	110.18	100.00	2.5	mg/kg	110		75 - 125		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Bromobenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Bromochloromethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Bromodichloromethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Bromoform	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Bromomethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
n-Butylbenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
sec-Butylbenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
tert-Butylbenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Carbon tetrachloride	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Chlorobenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Chloroethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Chloroform	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Chloromethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
2-Chlorotoluene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
4-Chlorotoluene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Dibromochloromethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,2-Dibromo-3-chloropropane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,2-Dibromoethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Dibromomethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,2-Dichlorobenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,3-Dichlorobenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,4-Dichlorobenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Dichlorodifluoromethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,1-Dichloroethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,2-Dichloroethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,1-Dichloroethene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
cis-1,2-Dichloroethene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
trans-1,2-Dichloroethene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Total 1,2-Dichloroethene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.010		
1,2-Dichloropropane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,3-Dichloropropane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
2,2-Dichloropropane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,1-Dichloropropene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
cis-1,3-Dichloropropene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
trans-1,3-Dichloropropene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Total 1,3-Dichloropropene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.010		
Ethylbenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Hexachlorobutadiene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Isopropylbenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
p-Isopropyltoluene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Methylene chloride	BSF1054	BSF1054-BLK1	ND	mg/kg	0.010		
Methyl t-butyl ether	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Naphthalene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
n-Propylbenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Styrene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,1,1,2-Tetrachloroethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,1,2,2-Tetrachloroethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Tetrachloroethene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Toluene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,2,3-Trichlorobenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,2,4-Trichlorobenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,1,1-Trichloroethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,1,2-Trichloroethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Trichloroethene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Trichlorofluoromethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,2,3-Trichloropropane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,1,2-Trichloro-1,2,2-trifluoroethane	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,2,4-Trimethylbenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
1,3,5-Trimethylbenzene	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Vinyl chloride	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Total Xylenes	BSF1054	BSF1054-BLK1	ND	mg/kg	0.010		
t-Amyl Methyl ether	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
t-Butyl alcohol	BSF1054	BSF1054-BLK1	ND	mg/kg	0.050		
Diisopropyl ether	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Ethanol	BSF1054	BSF1054-BLK1	ND	mg/kg	1.0		
Ethyl t-butyl ether	BSF1054	BSF1054-BLK1	ND	mg/kg	0.0050		
Total Purgeable Petroleum Hydrocarbons	BSF1054	BSF1054-BLK1	ND	mg/kg	0.20		
1,2-Dichloroethane-d4 (Surrogate)	BSF1054	BSF1054-BLK1	96.5	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSF1054	BSF1054-BLK1	99.3	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSF1054	BSF1054-BLK1	104	%	74 - 121 (LCL - UCL)		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Acenaphthene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Acenaphthylene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Aldrin	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Aniline	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
Anthracene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Benzidine	BSF1688	BSF1688-BLK1	ND	mg/kg	3.0		
Benzo[a]anthracene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Benzo[b]fluoranthene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Benzo[k]fluoranthene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Benzo[a]pyrene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Benzo[g,h,i]perylene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Benzoic acid	BSF1688	BSF1688-BLK1	ND	mg/kg	0.50		
Benzyl alcohol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Benzyl butyl phthalate	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
alpha-BHC	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
beta-BHC	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
delta-BHC	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
gamma-BHC (Lindane)	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
bis(2-Chloroethoxy)methane	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
bis(2-Chloroethyl) ether	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
bis(2-Chloroisopropyl)ether	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
bis(2-Ethylhexyl)phthalate	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
4-Bromophenyl phenyl ether	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
4-Chloroaniline	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
2-Chloronaphthalene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
4-Chlorophenyl phenyl ether	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Chrysene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
4,4'-DDD	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
4,4'-DDE	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
4,4'-DDT	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Dibenzo[a,h]anthracene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Dibenzofuran	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
1,2-Dichlorobenzene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
1,3-Dichlorobenzene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
1,4-Dichlorobenzene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
3,3-Dichlorobenzidine	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
Dieldrin	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Diethyl phthalate	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Dimethyl phthalate	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Di-n-butyl phthalate	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
2,4-Dinitrotoluene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
2,6-Dinitrotoluene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Di-n-octyl phthalate	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
1,2-Diphenylhydrazine	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Endosulfan I	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
Endosulfan II	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
Endosulfan sulfate	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Endrin	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Endrin aldehyde	BSF1688	BSF1688-BLK1	ND	mg/kg	0.50		
Fluoranthene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Fluorene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Heptachlor	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Heptachlor epoxide	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Hexachlorobenzene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Hexachlorobutadiene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Hexachlorocyclopentadiene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Hexachloroethane	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Indeno[1,2,3-cd]pyrene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Isophorone	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
2-Methylnaphthalene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Naphthalene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
2-Naphthylamine	BSF1688	BSF1688-BLK1	ND	mg/kg	3.0		
2-Nitroaniline	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
3-Nitroaniline	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
4-Nitroaniline	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
Nitrobenzene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
N-Nitrosodimethylamine	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
N-Nitrosodi-N-propylamine	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
N-Nitrosodiphenylamine	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Phenanthrene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
Pyrene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
1,2,4-Trichlorobenzene	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
4-Chloro-3-methylphenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
2-Chlorophenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
2,4-Dichlorophenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
2,4-Dimethylphenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
4,6-Dinitro-2-methylphenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.50		
2,4-Dinitrophenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.50		
2-Methylphenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
3- & 4-Methylphenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
2-Nitrophenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
4-Nitrophenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
Pentachlorophenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
Phenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.10		
2,4,5-Trichlorophenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
2,4,6-Trichlorophenol	BSF1688	BSF1688-BLK1	ND	mg/kg	0.20		
2-Fluorophenol (Surrogate)	BSF1688	BSF1688-BLK1	79.2	%	42 - 137 (LCL - UCL)		
Phenol-d5 (Surrogate)	BSF1688	BSF1688-BLK1	87.0	%	36 - 137 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BSF1688	BSF1688-BLK1	88.3	%	34 - 135 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BSF1688	BSF1688-BLK1	89.5	%	40 - 135 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BSF1688	BSF1688-BLK1	99.8	%	54 - 162 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BSF1688	BSF1688-BLK1	119	%	20 - 176 (LCL - UCL)		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
TPH - Light Naptha	BSF1330	BSF1330-BLK1	ND	mg/kg	50		
TPH - Aviation Gas	BSF1330	BSF1330-BLK1	ND	mg/kg	50		
TPH - Stoddard Solvent	BSF1330	BSF1330-BLK1	ND	mg/kg	20		
TPH - Heavy Naptha	BSF1330	BSF1330-BLK1	ND	mg/kg	10		
TPH - Gasoline	BSF1330	BSF1330-BLK1	ND	mg/kg	20		
TPH - Jet Fuel (JP4)	BSF1330	BSF1330-BLK1	ND	mg/kg	10		
TPH - Jet Fuel (JP5)	BSF1330	BSF1330-BLK1	ND	mg/kg	10		
TPH - Jet Fuel (JP8)	BSF1330	BSF1330-BLK1	ND	mg/kg	10		
TPH - Kerosene	BSF1330	BSF1330-BLK1	ND	mg/kg	10		
TPH - Diesel (FFP)	BSF1330	BSF1330-BLK1	ND	mg/kg	10		
TPH - Fuel Oil #6	BSF1330	BSF1330-BLK1	ND	mg/kg	10		
TPH - Crude Oil	BSF1330	BSF1330-BLK1	ND	mg/kg	20		
TPH - Hydraulic Oil / Motor Oil	BSF1330	BSF1330-BLK1	ND	mg/kg	20		
TPH - WD-40	BSF1330	BSF1330-BLK1	ND	mg/kg	10		
Tetracosane (Surrogate)	BSF1330	BSF1330-BLK1	91.7	%	20 - 145 (LCL - UCL)		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: [none]
Project Manager: John Reay

Reported: 07/02/2009 8:28

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Lead	BSF1305	BSF1305-BLK1	ND	mg/kg	2.5		

Delta Environmental Consultants, Inc.	Project: 7376	**Reported:** 07/02/2009 8:28
11050 White Rock Rd, Suite 110	Project Number: [none]	
Rancho Cordova, CA 95670	Project Manager: John Reay	

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A10	PQL's and MDL's were raised due to matrix interference.
A17	Surrogate not reportable due to sample dilution.

BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE: BCL QUOTE ID:

Page ____ of ____

Report To:

Client: ~~[illegible]~~ Delta	Project #: C107376
Attn: Alan Buehler	Project Name: 7376 Pleasanton
Street Address: 11050 White Rock Suite 110	Global ID #:
City, State, Zip: ~~[illegible]~~ Rancho Cordova, CA	Sampler(s):
Phone: 916-233-5099 Fax:	
Email Address: abuehler@deltaenv.com	
Work Order #: 09-07815	

Analysis Requested

Please refer to the back of this page for completion instructions and legend.

Comments: per John mm 6/16; days; TPPH

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☐ No

* Standard Turnaround = 10 work days

Sample #	Description	Date Sampled	Time Sampled	TPHG	MTBE	BTEX	Total lead	TPH Jet fuel	TPH Av gas	Full 8260 scan	8270	Fuel Fingerprint	Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
Comp waste 1	-1 Soil 3 day turnaround	6/12/09	9:28	X	X	X	X													
Comp waste 2	-2 Soil 3 day turnaround	6/12/09	9:30	X	X	X	X													
MW2C @20	-3	6/12/09	8:25	X	X	X		X	X	X	X	X								
		~~6/12/09~~																		
MW2C @25	-4	6/12/09	8:30	X	X	X		X	X	X	X	X								
MW2C @30	-5		8:35	X	X	X		X	X	X	X	X								
MW2C @35	-6		8:40	X	X	X		X	X	X	X	X								
MW2C @40	-7		8:50	X	X	X		X	X	X	X	X								
MW2C @45	-8		8:55	X	X	X		X	X	X	X	X								

CHK BY: AL — DISTRIBUTION: MA, BX, JYP, SN, RRS2 — SUB-OUT ☐

Billing ☐ Same as above

Client:

Address:

City: State Zip

Attn:

PO#: 4511746489

Report Drinking Waters on State Form? ☐ Yes ☐ No

Send Copy to State of CA? ☐ Yes ☐ No

Sample Disposal: ☐ Return to Client ☐ Disposal by lab ☐ Archive: Months____

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	6/12/09	1420	1. Ross Dickey	6/12/09	1420
2. Ross Dickey	6/15/09	1700	2. R. [signature]	6-15-09	1700
3. R. [signature]	6-15-09	2100	3. [signature]	06-15-09	2100

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 12 06/24/08 Page 1 Of 1

Submission #: 0907815

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☐ Blue Ice ☐ None ☑ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: Plastic bag Thermometer ID: TH103

Temperature: A 20.5 °C / C 20.2 °C

Date/Time 12/15/09 2051

Analyst Init JDW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE	A	A	A	A	A	A	A	A		
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____

Sample Numbering Completed By: JDW Date/Time: 12/15/09 2140

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 07/02/2009

John Reay

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

RE: 7376
BC Work Order: 0908396
Invoice ID: B064376

Enclosed are the results of analyses for samples received by the laboratory on 6/26/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/02/2009 8:31

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information

0908396-01

COC Number:	---	**Receive Date:**	06/26/2009 19:00	Delivery Work Order:	
Project Number:	7376	**Sampling Date:**	06/25/2009 07:33	Global ID:	
Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint):	COMP WASTE H20
Sampling Point:	COMP WASTE H20	**Sample Matrix:**	Water	Matrix:	W
Sampled By:	DECR			Sample QC Type (SACode):	CS
				Cooler ID:	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/02/2009 8:31

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908396-01 | **Client Sample Name:** 7376, COMP WASTE H20, 6/25/2009 7:33:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	06/30/09	07/01/09 00:52	MWB	MS-V13	1	BSF1903		
Ethylbenzene	ND	ug/L	0.50		EPA-8260	06/30/09	07/01/09 00:52	MWB	MS-V13	1	BSF1903		
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	06/30/09	07/01/09 00:52	MWB	MS-V13	1	BSF1903		
Toluene	ND	ug/L	0.50		EPA-8260	06/30/09	07/01/09 00:52	MWB	MS-V13	1	BSF1903		
Total Xylenes	ND	ug/L	1.0		EPA-8260	06/30/09	07/01/09 00:52	MWB	MS-V13	1	BSF1903		
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	06/30/09	07/01/09 00:52	MWB	MS-V13	1	BSF1903		
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	06/30/09	07/01/09 00:52	MWB	MS-V13	1	BSF1903		
Toluene-d8 (Surrogate)	99.3	%	88 - 110 (LCL - UCL)		EPA-8260	06/30/09	07/01/09 00:52	MWB	MS-V13	1	BSF1903		
4-Bromofluorobenzene (Surrogate)	107	%	86 - 115 (LCL - UCL)		EPA-8260	06/30/09	07/01/09 00:52	MWB	MS-V13	1	BSF1903		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/02/2009 8:31

Water Analysis (Metals)

BCL Sample ID: 0908396-01 | **Client Sample Name:** 7376, COMP WASTE H20, 6/25/2009 7:33:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Lead	ND	ug/L	50		EPA-6010B	06/30/09	06/30/09 18:22	PPS	PE-OP1	1	BSF1917	ND	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/02/2009 8:31

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BSF1903	Matrix Spike	0908273-24	0	27.690	25.000	ug/L		111		70 - 130	
		Matrix Spike Duplicate	0908273-24	0	27.330	25.000	ug/L	1.8	109	20	70 - 130	
Toluene	BSF1903	Matrix Spike	0908273-24	0	28.130	25.000	ug/L		113		70 - 130	
		Matrix Spike Duplicate	0908273-24	0	27.990	25.000	ug/L	0.9	112	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSF1903	Matrix Spike	0908273-24	ND	9.4900	10.000	ug/L		94.9		76 - 114	
		Matrix Spike Duplicate	0908273-24	ND	9.6500	10.000	ug/L		96.5		76 - 114	
Toluene-d8 (Surrogate)	BSF1903	Matrix Spike	0908273-24	ND	10.030	10.000	ug/L		100		88 - 110	
		Matrix Spike Duplicate	0908273-24	ND	10.180	10.000	ug/L		102		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSF1903	Matrix Spike	0908273-24	ND	9.8100	10.000	ug/L		98.1		86 - 115	
		Matrix Spike Duplicate	0908273-24	ND	9.9100	10.000	ug/L		99.1		86 - 115	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/02/2009 8:31

Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Total Lead	BSF1917	Duplicate	0908290-01	1.6033	ND		ug/L			20		
		Matrix Spike	0908290-01	1.6033	418.06	400.00	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0908290-01	1.6033	416.85	400.00	ug/L	0	104	20	75 - 125	

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/02/2009 8:31

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BSF1903	BSF1903-BS1	LCS	26.290	25.000	0.50	ug/L	105		70 - 130		
Toluene	BSF1903	BSF1903-BS1	LCS	26.760	25.000	0.50	ug/L	107		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSF1903	BSF1903-BS1	LCS	9.3800	10.000		ug/L	93.8		76 - 114		
Toluene-d8 (Surrogate)	BSF1903	BSF1903-BS1	LCS	9.9800	10.000		ug/L	99.8		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSF1903	BSF1903-BS1	LCS	9.8900	10.000		ug/L	98.9		86 - 115		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/02/2009 8:31

Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Total Lead	BSF1917	BSF1917-BS1	LCS	453.30	400.00	50	ug/L	113		85 - 115		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/02/2009 8:31

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	BSF1903	BSF1903-BLK1	84.9	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSF1903	BSF1903-BLK1	97.2	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSF1903	BSF1903-BLK1	101	%	86 - 115 (LCL - UCL)		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7376
Project Number: 4511814991
Project Manager: John Reay

Reported: 07/02/2009 8:31

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Total Lead	BSF1917	BSF1917-BLK1	ND	ug/L	50		

Delta Environmental Consultants, Inc.	Project: 7376	**Reported:** 07/02/2009 8:31
11050 White Rock Rd, Suite 110	Project Number: 4511814991	
Rancho Cordova, CA 95670	Project Manager: John Reay	

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference

BC Laboratories, Inc.

Chain of Custody Form

PLEASE COMPLETE: BCL QUOTE ID:

Page ____ of ____

Report To:
Client: Delta
Attn: Alan Buehler
Street Address: 11050 White Rock Suite 110
City, State, Zip: Rancho Cordova, CA
Phone: 916-503-1273 Fax: 916-638-8385
Email Address: abuehler@deltaenv.com
Work Order #: 0908396

Project #: C10737 G220
Project Name: 7376 Pleasanton
Global ID #:
Sampler(s):

Analysis Requested

Please refer to the back of this page for completion instructions and method legend.

Comments:

Are there any tests with holding times less than or equal to 48 hours? ☐ Yes ☐ No

* Standard Turnaround = 10 work days

Sample #	Description	Date Sampled	Time Sampled	TPHG	MTBE	BTEX	Total Lead							Soil	Sludge	Drinking Water	Ground Water	Waste Water	Other	Turnaround # of work days*	Notes
comp. waste	H2O (6 VOA, 1 Amber, 1 poly)	6/25/09	7:33	x	x	x	x														
	→ 3 day turnaround ←																				

CHK BY: CK
DISTRIBUTION: [illegible] EPP2
SUB-OUT ☐

Billing ☒ Same as above
Client:
Address:
City: ____ State ____ Zip ____
Attn:
PO#:

Report Drinking Waters on State Form? ☐ Yes ☐ No

Send Copy to State of CA? ☐ Yes ☐ No

Sample Disposal: ☐ Return to Client ☐ Disposal by lab ☐ Archive: Months ____

Special Reporting: ☐ QC ☐ EDF ☐ Raw Data

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	6/26/09	9:40	1. Ross Dickey	6/26/09	1111
2. Ross Dickey	6/26/09	1415	2. [signature]	6-26-09	1415
3. [signature]	6-26-09	1900	3. [signature]	6/26/09	1900

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 12 06/24/08 Page 1 Of 1

Submission #: 0908396

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: ptfe Thermometer ID: JH163

Temperature: A 2.6 °C / C 2.3 °C

Date/Time 10/26/09 1900

Analyst Init JNW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED	B									
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A U	( )	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER	C									
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:_____

Sample Numbering Completed By: JNW Date/Time: 10/26/09 2011

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

APPENDIX E

Boring Logs

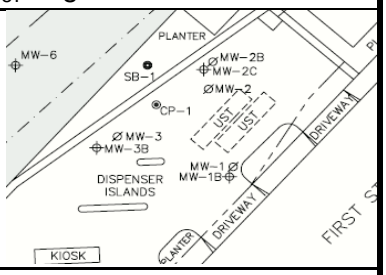
Delta
Consultants

Project No:	C107376220	Client:	ConocoPhillips
Logged By:	Jon Fillingame	Location:	Pleasanton
Driller:	Cascade	Date Drilled:	6/12/2009
Drilling Method:	Hollow Stem	Hole Diameter:	8"
Sampling Method:	Split Spoon	Hole Depth:	45'
Casing Type:	2"PVC	Well Diameter:	N/A
Slot Size:	0.01	Well Depth:	N/A
Gravel Pack:	Lonestar #2/12	First Water Depth:	N/A
		Static Water Depth:	N/A
Elevation:		Northing:	Easting:

Boring / Well No: SB-1

Page 1 of 3

Location Map



Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION SOIL WITH SOIL ANALYTICAL RESULTS (ug/L) (BENZENE/GRO/TPH-FUEL OIL #6)
					1				
					2				Air Knife to 5 Feet
					3				
					4				
					5				
				SB-1 @5					Bad Sample, large chunk of scoria
					6				**SB-1 @ 5 - (ND/ND/ND)**
					7				
					8				
					9				
					10				
			45.1	SB-1 @10				ML	Med brown, sandy silt with 20% gravel, damp, very mild odor
					11				**SB-1 @ 10 - (ND/6.5/96)**
					12				
					13				
					14				
					15				
			104	SB-1 @15				GM	Med brown, silty gravely sand, damp, light odor
					16				**SB-1 @ 15 - (ND/ND/ND)**
					17				
					18				
					19				
					20				
			21.2	SB-1 @20				CL	Dk greenish gray clay, damp, strong odor
					21				**SB-1 @ 20 - (0.26/1400/200)**
					22				

Delta

Environmental Consultants, Inc.

Project No:	C107376220	Client:	ConocoPhillips
Logged By:	Jon Fillingame	Location:	Pleasanton
Driller:	Cascade	Date Drilled:	6/12/2009
Drilling Method:	Hollow Stem	Hole Diameter:	8"
Sampling Method:	Split Spoon	Hole Depth:	45'
Casing Type:	2"PVC	Well Diameter:	N/A
Slot Size:	0.01	Well Depth:	N/A
Gravel Pack:	Lonestar #2/12	First Water Depth:	N/A
		Static Water Depth:	N/A
Elevation:		Northing:	Easting:

Boring/Well No: SB-1

Location Map

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION SOIL WITH SOIL ANALYTICAL RESULTS (ug/L) (BENZENE/GRO/TPH-FUEL OIL #6)
					23				
					24				
			915	SB-1 @25	25	■	■	CL	Dk greenish gray clay, damp, very strong odor
					26		■		**SB-1 @ 25 - (1.6/230/880)**
					27				
					28				
					29				
			940	SB-1 @30	30	■	■	CL	Dk greenish gray sandy silty clay, damp, very strong odor
					31		■		**SB-1 @ 30 - (3.6/1100/9700)**
					32				
					33				
					34				
			820	SB-1 @35	35	■	■	CL	Dk greenish gray sandy silty clay w gravel, damp, very strong odor, patches of black sheeny substance
					36		■		**SB-1 @ 35 - (0.64/310/1400)**
					37				
					38				
					39				
			581	SB-1 @40	40	■	■	CL	Dk greenish gray silty clay, damp, strong odor, black sheeny patches
					41		■		**SB-1 @ 40 - (1.1/400/9800)**
					42				
					43				
					44		■		

Delta

Environmental Consultants, Inc.

Project No:	C107376220	Client:	ConocoPhillips
Logged By:	Jon Fillingame	Location:	Pleasanton
Driller:	Cascade	Date Drilled:	6/12/2009
Drilling Method:	Hollow Stem	Hole Diameter:	8"
Sampling Method:	Split Spoon	Hole Depth:	45'
Casing Type:	2"PVC	Well Diameter:	N/A
Slot Size:	0.01	Well Depth:	N/A
Gravel Pack:	Lonestar #2/12	First Water Depth:	N/A
		Static Water Depth:	N/A

Boring / Well No: SB-1

Location Map

Elevation: Northing: Easting:

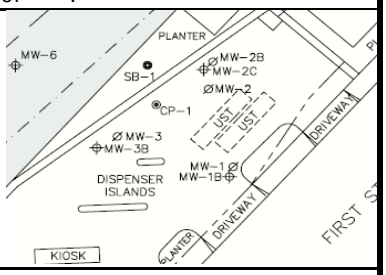
Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION SOIL WITH SOIL ANALYTICAL RESULTS (ug/L) (BENZENE/GRO/TPH-FUEL OIL #6)
			830	SB-1 @45	45			CL	Dk greenish gray gravely silty clay, damp, strong odor
									SB-1 @ 45 - (3.2/570/2800)
									Max Depth: 45'
					46				
					47				
					48				
					49				
					50				
					51				
					52				
					53				
					54				
					55				
					56				
					57				
					58				
					59				
					60				
					61				
					62				
					63				
					64				
					65				
					66				

Delta
Consultants

Project No:	C107376220	Client:	ConocoPhillips
Logged By:	Alan Buehler	Location:	Pleasanton
Driller:	Cascade	Date Drilled:	6/22/2009
Drilling Method:	Hollow Stem	Hole Diameter:	8"
Sampling Method:	Split Spoon	Hole Depth:	82.62'
Casing Type:	2"PVC	Well Diameter:	2"
Slot Size:	0.01	Well Depth:	82.12'
Gravel Pack:	Lonestar #2/12	First Water Depth:	80'
		Static Water Depth:	76.35'
Elevation:		Northing:	Easting:

Boring / Well No: MW-3B

Location Map



Well Completion: Backfill	Well Completion: Casing	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
						1				
						2				
						3				
						4				
						5				
						6				
						7				8" Steel Conductor Casing to 45'
						8				
						9				
						10				
						11				
						12				
						13				
						14				
						15				
						16				
						17				
						18				
						19				
						20				
						21				
						22				

Delta

Environmental Consultants, Inc.

Project No:	C107376220		Client:	ConocoPhillips	**Boring / Well No: MW-3B**
Project No:	C107376220		Client:	ConocoPhillips	**Boring / Well No: MW-3B**
Logged By:	Alan Buehler		Location:	Pleasanton	Page 2 of 4
Driller:	Cascade		Date Drilled:	6/22/2009	Location Map
Drilling Method:	Hollow Stem		Hole Diameter:	8"	
Sampling Method:	Split Spoon		Hole Depth:	82.62'	
Casing Type:	2"PVC		Well Diameter:	2"	
Slot Size:	0.01	▼	Well Depth:	82.12'	
Gravel Pack:	Lonestar #2/12	▼	First Water Depth:	80'	
		▽	Static Water Depth:	76.35'	

Well Completion: Backfill	Well Completion: Casing	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
						23				
						24				
						25				
						26				
						27				
						28				
						29				
						30				
						31				
						32				8" Steel Conductor Casing to 45'
						33				
						34				
						35				
						36				
						37				
						38				
						39				
						40				
						41				
						42				
						43				
						44				

Delta

Environmental Consultants, Inc.

Project No:	C107376220	Client:	ConocoPhillips
Logged By:	Alan Buehler	Location:	Pleasanton
Driller:	Cascade	Date Drilled:	6/22/2009
Drilling Method:	Hollow Stem	Hole Diameter:	8"
Sampling Method:	Split Spoon	Hole Depth:	82.62'
Casing Type:	2"PVC	Well Diameter:	2"
Slot Size:	0.01	Well Depth:	82.12'
Gravel Pack:	Lonestar #2/12	First Water Depth:	80'
		Static Water Depth:	76.35'
Elevation:		Northing:	Easting:

Boring / Well No: MW-3B

Location Map

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
									8" Steel Conductor Casing 0-45'
					45				
					46				
					47			CL	Lt brown clay, interbedded w greenish gravely material, mild odor
					48				
					49			CL	Greenish gray clay, damp, mild odor
					50				
					51			CL	Greenish gray clay w 20% gravel, damp, slight odor
					52				
					53			CL	Greenish gray clay, damp, mild odor
					54				
					55			CL	Greenish gray clay, interbedded gravel, damp, strong odor
					56				
					57			ML	Lt brown coarse sandy silt w interbedded decomposed granite, mild odor, dry, less odor within DG
					58				
					59			CH	Lt brn clay, very plastic, moist, strong odor
					60			CH	Lt brown gravely clay interbedded w greenish gray gravely clay
					61				
					62			CH	Lt brown gravely clay, moist, mild odor
					63				
					64			CH	Lt brown clay, very plastic, moist, mild odor
					65			CH	Lt brown silty clay, damp, slight odor
					66				

Delta

Environmental Consultants, Inc.

Project No:	C107376220	Client:	ConocoPhillips
Logged By:	Alan Buehler	Location:	Pleasanton
Driller:	Cascade	Date Drilled:	6/22/2009
Drilling Method:	Hollow Stem	Hole Diameter:	8"
Sampling Method:	Split Spoon	Hole Depth:	82.62'
Casing Type:	2"PVC	Well Diameter:	2"
Slot Size:	0.01	Well Depth:	82.12'
Gravel Pack:	Lonestar #2/12	First Water Depth:	80'
		Static Water Depth:	76.35'
Elevation:		Northing:	Easting:

Boring / Well No: MW-3B

Page 4 of 4

Location Map

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery / Interval	Soil Type	LITHOLOGY / DESCRIPTION
			937		67		SM	Greenish gray silty sand, damp, strong odor
					68		CL	Lt brown silty clay, damp, slight odor
					69		SM	Lt brown silty fine sand, moist, slight odor
					70			
					71		CL	Gray silty clay w gravel, damp, strong odor
					72			
					73			
					74			
					75			
					76		▽	
					77			
					78			
					79			
					80		▼	
					81			
					82			
					83			TD = 82.5 fbg
					84			
					85			
					86			
					87			
					88			

Delta

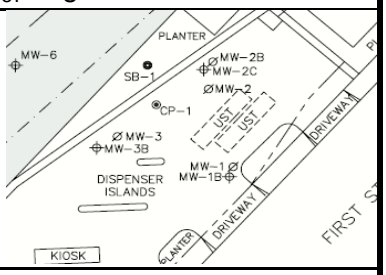
Consultants

Project No:	C107376220	Client:	ConocoPhillips
Logged By:	Jon Fillingame	Location:	Pleasanton
Driller:	Cascade	Date Drilled:	6/12/2009
Drilling Method:	Hollow Stem	Hole Diameter:	8"
Sampling Method:	Split Spoon	Hole Depth:	45'
Casing Type:	2"PVC	Well Diameter:	N/A
Slot Size:	0.01	Well Depth:	N/A
Gravel Pack:	Lonestar #2/12	First Water Depth:	N/A
		Static Water Depth:	N/A
Elevation:		Northing:	Easting:

Boring / Well No: MW-2C

Page 1 of 3

Location Map



Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				
					2				
					3				
					4				
					5				
					6				
					7				
					8				
					9				
					10				
					11				
					12				
					13				Not Sampled
					14				
					15				
					16				
					17				
					18				
					19			GW	Well Graded gravel, 20% silt, gray, 80% fine to course gravel
			508	MW2C @20	20			CL	Clay w 10% silt, greenish gray, hard, med plast, moist
					21				
					22				

Delta

Environmental Consultants, Inc.

Project No:	C107376220	Client:	ConocoPhillips
Logged By:	Jon Fillingame	Location:	Pleasanton
Driller:	Cascade	Date Drilled:	6/12/2009
Drilling Method:	Hollow Stem	Hole Diameter:	8"
Sampling Method:	Split Spoon	Hole Depth:	45'
Casing Type:	2"PVC	Well Diameter:	N/A
Slot Size:	0.01	Well Depth:	N/A
Gravel Pack:	Lonestar #2/12	First Water Depth:	N/A
		Static Water Depth:	
Elevation:		Northing:	Easting:

Boring / Well No: MW-2C

Location Map

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					23				
					24			SW-SC	Well graded sand w clay, grayish green
			1271	MW2C @25	25				
					26				
					27				
					28				
					29			CL	Clay, 20% silt, greenish gray, hard, high plast,
			148	MW2C @30	30				moist
					31				
					32				
					33				
					34			GC	Silty gravelw sand, dk greenish gray, 15% sand,
			751	MW2C @35	35				30% silt, 55% gravel, moist, free product: dk brn
					36				
					37				
					38				
					39			ML	Clayey silt, brn bottled gray with dk brn, 20% clay,
			77	MW2C @40	40				80% silt, low plast, dry, free product: dk brn
					41				
					42				
					43				
					44				

Delta

Environmental Consultants, Inc.

Project No:	C107376220	Client:	ConocoPhillips
Logged By:	Jon Fillingame	Location:	Pleasanton
Driller:	Cascade	Date Drilled:	6/12/2009
Drilling Method:	Hollow Stem	Hole Diameter:	8"
Sampling Method:	Split Spoon	Hole Depth:	45'
Casing Type:	2"PVC	Well Diameter:	N/A
Slot Size:	0.01	Well Depth:	N/A
Gravel Pack:	Lonestar #2/12	First Water Depth:	N/A
		Static Water Depth:	
Elevation:		Northing:	Easting:

Boring / Well No: MW-2C

Location Map

Well Completion (Backfill / Casing)	Water Level	Moisture Content	PID Reading (ppm)	Penetration (blows/6")	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
			283	MW2C @45	45			CL	Lean clay w gravel, 20% gravel, 80% clay, green, med plast, hard, moist
					46				TD of sampling = 45 fbg
					47				
					48				
					49				
					50				
					51				
					52				
					53				
					54				
					55				
					56				
					57				
					58				
					59				
					60				
					61				
					62				
					63				
					64				
					65				
					66				