R0228

PHASE II ENVIRONMENTAL SITE ASSESSMENT

SHELL OIL PRODUCTS US, SAP #135693

630 HIGH STREET

OAKLAND, CALIFORNIA

DELTA PROJECT NO. CASHL-BADW-A-135693

Prepared for:

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September 30, 2008

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SHELL OIL PRODUCTS US, SAP #135693
630 HIGH STREET
OAKLAND, CALIFORNIA
DELTA PROJECT NO. CASHL-BADW-A-135693

EXECUTIVE SUMMARY

Delta Consultants (Delta) on behalf of Shell Oil Products US has completed a Phase II Environmental Site Assessment (Phase II ESA) for Due Diligence at the Shell branded service station located at 630 High Street, Oakland, Alameda County, California (Site).

- Prepared a site-specific Health & Safety Plan prior to the initiation of field activities.
- Notified USA-North to have public utilities in the area of the Site clearly marked.
- Contracted with a private underground utility locating firm (Cruz Brothers), in addition to the public locates, to clear each soil boring location.
- Cleared each soil boring location to 5-feet below ground surface (bgs) using air-knifing and vacuum truck equipment.
- Advanced seven soil borings (B-1 through B-7) to maximum depths ranging from 15 to 20 feet bgs using direct push probe drilling methods and equipment on August 4 and 5, 2008.
- Collected representative soil samples from continuously cored boreholes for logging and characterization of soil types, field screening, and potential analytical laboratory testing.
- Conducted headspace screening of the soil samples for volatile organic compound (VOC) vapors using a portable photo-ionization detector (PID).
- Collected one soil sample from each soil boring, the location of which was selected by the following ordered criteria:
    - The sample interval exhibiting the highest PID reading, or
    - In the event that impacts are not observed, the sample interval directly above the soil/groundwater interface, or
    - In the event that groundwater is not encountered in the boring, the termination point of the boring.
- Collected a groundwater sample from each boring in which groundwater was encountered.
- Submitted all samples to CalScience Environmental Laboratories (CalScience) in Garden Grove, California to be analyzed for:
    - Total petroleum hydrocarbons as gasoline (TPH-G) using US Environmental Protection Agency (EPA) Method 8260B.

- Select VOCs by EPA Method 8260B, including benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tert-butyl ether (MTBE), tertiary butyl alcohol (TBA), diisopropyl ether (DIPE), ethyl tert-butyl ether, (ETBE), tert amyl-butyl ether (TAME), and ethanol.

Because diesel was sold at the site at the time of the Phase II ESA samples also were analyzed for

- Total petroleum hydrocarbons as diesel (TPH-D) using EPA Method 8015.

A summary of findings is as follows: All soil and groundwater analytical laboratory results were reviewed for detections of petroleum hydrocarbon constituents above the laboratory method reporting limits (MRLs) and compared to the California Regional Water Quality Control Board Environmental Screening Levels (ESLs)[1]. For comparison purposes the following assumptions were used in selecting the ESLs:

- Residential land use,
- Shallow soil (less than 3 meters) or Deep Soil (greater than 3 meters) as appropriate, and;
- Groundwater is a current or potential source of drinking water.

The appropriate ESLs were obtained from Summary Table A and Summary Table C in the document *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*[1]. Comparisons between the ESLs and laboratory results can be found in **Table 1** for soil samples and **Table 2** for groundwater samples.

- None of the soil samples collected and submitted for laboratory analysis during this investigation contained concentrations of any constituent in excess of the ESLs with the following exceptions. TPH-G were detected in excess of the ESL (83 milligrams per kilogram [mg/kg]) in soil samples B-1-13' (150 mg/kg) and B-5-13' (88 mg/kg). TPH-D were detected in excess of the ESL (83 mg/kg) in soil samples B-5-13' (160 mg/kg) and B-6-12' (510 mg/kg).
- None of the groundwater samples collected and submitted for laboratory analysis during this investigation contained concentrations of any constituent in excess of the ESLs with the following exceptions. TPH-G were detected in excess of the ESL (100 micrograms/liter [µg/L]) in the groundwater samples collected from borings B-1 (3,600 µg/L), B-6 (110,000 µg/L), and B-7 (2,000 µg/L). TPH-D were detected in excess of the ESL (100 µg/L) in the groundwater samples collected from borings B-1 (880 µg/L), B-2 (160 µg/L), B-6 (33,000 µg/L), and B-7 (740 µg/L).

[1] California Regional Water Quality Board, San Francisco Bay Region. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. Interim Final – November 2007, revised May 2008.

Benzene, ethylbenzene, and total xylenes were detected in excess of the ESLs (1 µg/L, 30 µg/L, and 20 µg/L, respectively) in the groundwater sample collected from boring B-1 at concentrations of 27 µg/L, 97 µg/L, and 191.3 µg/L, respectively. MTBE was detected in excess of the ESL (5 µg/L) in the groundwater samples collected from borings B-1 (10 µg/L), B-3 (6.2 µg/L), and B-7 (6.4 µg/L). TBA was detected in excess of the ESL (12 µg/L) in the groundwater samples collected from borings B-2 (110 µg/L) and B-7 (59 µg/L).

- A release was not reported because concentrations of constituents detected during this Phase II ESA were generally consistent with historical concentrations detected at the Site.
- Water wells were not located within 1,000 feet of the site.

PHASE II ENVIRONMENTAL SITE ASSESSMENT

SHELL OIL PRODUCTS US, SAP #135693
630 HIGH STREET
OAKLAND, CALIFORNIA
DELTA PROJECT NO. CASHL-BADW-A-135693

1.0 INTRODUCTION

1.1 General

At the request of Shell Oil Products US (Shell), Delta Consultants (Delta) has conducted a Phase II Environmental Site Assessment (Phase II ESA) for Due Diligence at the Shell Retail Store located at 630 High Street, Oakland, Alameda County, California (Site). This Site is an active Shell service station.

1.2 Purpose and Scope

In order to establish a baseline of environmental conditions, Delta conducted this Phase II ESA to assess subsurface conditions and potential hydrocarbon impacts through implementation of the following scope of work:

- Prepared a site-specific Health & Safety Plan prior to the initiation of field activities.
- Notified USA-North to have public utilities in the area of the Site clearly marked.
- Contracted with a private underground utility locating firm (Cruz Brothers), in addition to the public locates, to clear each soil boring location.
- Cleared each soil boring location to 5-feet bgs using air-knifing and vacuum truck equipment.
- Advanced seven soil borings (B-1 through B-7) to maximum depths of between 15 and 20 feet bgs using direct push probe drilling methods and equipment on August 4 and 5, 2008. Borings were placed in the vicinity of the underground storage tank (UST) basin and in the vicinity of dispensers. The scope of work, as defined by Shell, limited drilling depth to 40 feet bgs around tank basins and 20 feet bgs near dispensers, or to the depth of first encountered groundwater or drilling refusal, whichever was encountered first.
- Collected representative soil samples from continuously cored boreholes for logging and characterization of soil types, field screening, and potential laboratory analysis.
- Conducted headspace screening of the soil samples for VOC vapors using a portable PID.
- Collected one soil sample from each soil boring, the location of which was selected by the following ordered criteria:
    - The sample interval exhibiting the highest PID reading, or
    - In the event that impacts are not observed, the sample interval directly above the soil/groundwater interface, or

  - In the event that groundwater is not encountered in the boring, the termination point of the boring.
- Collected a groundwater sample from each boring in which groundwater was encountered.
- Submitted all samples to CalScience Environmental Laboratories (CalScience) in Garden Grove, California to be analyzed for:
  - Total petroleum hydrocarbons as gasoline (TPH-G) using US Environmental Protection Agency (EPA) Method 8260B.
  - Select VOCs by EPA Method 8260B, including benzene, toluene, ethylbenzene, total xylenes (BTEX), methyl tert-butyl ether (MTBE), tertiary butyl alcohol (TBA), diisopropyl ether (DIPE), ethyl tert-butyl ether, (ETBE), tert amyl-butyl ether (TAME), and ethanol.

  Because diesel was sold at the site at the time of the Phase II ESA samples also were analyzed for
  - Total petroleum hydrocarbons as diesel (TPH-D) using EPA Method 8015.

- Evaluated and compiled field observations and laboratory analytical data into this report, documenting boring installations, soil and groundwater sampling, and analytical data.

1.3 Deviations

The following list summarizes deviations from the proposed scope of work and reason(s) for such deviation:

- The soil and groundwater samples were not analyzed for EDB or EDC.
- While advancing soil boring B-5, a drilling rod was intractably lodged into the borehole, and the boring was terminated at 15 feet bgs, prior to the proposed depth limitation. Subsequently a groundwater sample was not collected from B-5.

1.4 Background

The Site is an active retail gasoline station located in Oakland, California in Alameda County at 630 High Street **(Figure 1)**. Above ground structures include a car wash building on the Site's southern corner and a canopy structure covering the store building and six dispenser islands in the northeast portion of the Site (**Figure 2**). The Site is primarily covered with asphalt and concrete pavement. The USTs are located within a common excavation between the canopy structure and the car wash building. Local access to the Site is gained from Jensen Street to the southwest, High Street to the northwest, and Oakport Street to the northeast.

Water wells were not located within 1,000 feet of the Site. The EDR well survey report is included in **Appendix A**.

2.0 SOIL AND GROUNDWATER ENVIRONMENTAL ASSESSMENT

2.1 Drilling and Soil Sampling

Soil borings were advanced using a direct-push hydraulic drive point system to depths ranging from 15 to 20 feet bgs. Soil samples were collected continuously using a 5-foot macrocore sampler with a 1.5-inch inside diameter driven into undisturbed formation materials utilizing a hydraulic piston mechanism. The soils encountered were logged using the Unified Soil Classification System (USCS) and field screened using a PID by a Delta field technician working under the supervision of a California Professional Geologist. Field observations, including soil color, odor, and PID readings, were recorded on the soil boring logs, included as **Appendix B.**

One soil sample from the sample interval exhibiting the highest PID reading, or if no field indications of impacts were noted, the interval located directly above the soil/groundwater interface or at the termination point in each soil boring was submitted for laboratory analysis. Soil samples were either placed in laboratory prepared glass containers or the macrocore sample liner was cut into a 6-inch long section and sealed with Teflon tape and end caps. Soil samples were placed into ice-chilled coolers. Standard chain-of-custody (COC) protocol was followed for transporting soil samples to CalScience in Garden Grove, California. Soil analytical laboratory results are summarized in **Table 1** and shown spatially in **Figure 3**. The soil sample analytical laboratory report and COC records are included in **Appendix C**.

All soil borings were backfilled with bentonite grout and the ground surfaces were repaired to approximate original conditions.

2.2 Grab Groundwater Sampling

Following borehole advancement, groundwater samples were collected utilizing Hydropunch sampling techniques. Hyrdropunch sampling utilizes a probe rod with a retractable stainless steel screen with a steel drop-off tip. The probe rods are advanced a minimum of two feet into the water table, at which point the tip is released. The drill rods are then retracted to expose the disposable screen. Groundwater was collected from the screened interval using a peristaltic pump and disposable polyethylene tubing. Groundwater samples were decanted directly into laboratory prepared sample containers and placed in an iced cooler for transport to CalScience following standard COC protocols. Groundwater analytical

laboratory results are summarized in **Table 2** and shown spatially in **Figure 4**. The analytical laboratory reports and COC records for the groundwater sampling event are included in **Appendix C**.

2.3 Investigation Derived Waste

All investigation derived waste generated during the investigation was stored in US Department of Transportation-approved 55-gallon drums for subsequent disposal following proper waste characterization. Decontamination wash water generated during the investigation was stored in a separate drum for subsequent recycling. Copies of waste disposal records are included as **Appendix D,** if they were available at the time this report was prepared.

2.4 Laboratory Analytical Results

All soil and groundwater analytical laboratory results were reviewed for detections of petroleum hydrocarbon constituents above the laboratory method reporting limits (MRLs) and compared to the California Regional Water Quality Control Board Environmental Screening Levels (ESLs)[1]. For comparison purposes the following assumptions were used in selecting the ESLs:

- Residential land use,
- Shallow soil (less than 3 meters) or Deep Soil (greater than 3 meters) as appropriate, and;
- Groundwater is a current or potential source of drinking water.

The appropriate ESLs were obtained from Summary Table A and Summary Table C in the document *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*[1]. Comparisons between the ESLs and lab results can be found in **Table 1** for soil samples and **Table 2** for groundwater samples.

Soil analytical laboratory results are summarized in **Table 1**. Within the table, samples with concentrations that exceed the ESLs are bolded. The soil sample analytical laboratory report and COC records are included in **Appendix C**.

Groundwater analytical laboratory results are summarized in **Table 2**. Within the table, samples with concentrations that exceed the ESLs are bolded. The analytical laboratory reports and COC records for the groundwater event are included in **Appendix C.**

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[1] California Regional Water Quality Board, San Francisco Bay Region. Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater. Interim Final – November 2007, revised May 2008.

2.5 Release Notification

A release was not reported because concentrations of constituents detected during this Phase II ESA were generally consistent with historical concentrations detected at the Site.

3.0 SUMMARY OF FINDINGS

Based on the scope of work performed, Delta presents the following summary of findings:

- Seven soil exploration borings (B-1 through B-7) were advanced on August 4 and 5, 2008, to a maximum depth of 20 feet bgs.
- All soil and groundwater laboratory results were reviewed for detections of petroleum constituents above the laboratory MRLs and compared to the California Regional Water Quality Control Board ESLs. Comparisons between the ESLs and lab results can be found in **Tables 1 and 2.**
- None of the soil samples collected and submitted for laboratory analysis during this investigation contained concentrations of any constituent in excess of the ESLs with the following exceptions. TPH-G were detected in excess of the ESL (83 milligrams per kilogram [mg/kg]) in soil samples B-1-13' (150 mg/kg) and B-5-13' (88 mg/kg). TPH-D were detected in excess of the ESL (83 mg/kg) in soil samples B-5-13' (160 mg/kg) and B-6-12' (510 mg/kg).
- None of the groundwater samples collected and submitted for laboratory analysis during this investigation contained concentrations of any constituent in excess of the ESLs with the following exceptions. TPH-G were detected in excess of the ESL (100 micrograms/liter [µg/L]) in the groundwater samples collected from borings B-1 (3,600 µg/L), B-6 (110,000 µg/L), and B-7 (2,000 µg/L). TPH-D were detected in excess of the ESL (100 µg/L) in the groundwater samples collected from borings B-1 (880 µg/L), B-2 (160 µg/L), B-6 (33,000 µg/L), and B-7 (740 µg/L). Benzene, ethylbenzene, and total xylenes were detected in excess of the ESLs (1 µg/L, 30 µg/L, and 20 µg/L, respectively) in the groundwater sample collected from boring B-1 at concentrations of 27 µg/L, 97 µg/L, and 191.3 µg/L, respectively. MTBE was detected in excess of the ESL (5 µg/L) in the groundwater samples collected from borings B-1 (10 µg/L), B-3 (6.2 µg/L), and B-7 (6.4 µg/L). TBA was detected in excess of the ESL (12 µg/L) in the groundwater samples collected from borings B-2 (110 µg/L) and B-7 (59 µg/L).
- A release was not reported because concentrations of constituents detected during this Phase II ESA were generally consistent with historical concentrations detected at the Site.
- Water wells were not located within 1,000 feet of the site.

4.0 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 were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report.

This report was prepared by **DELTA CONSULTANTS**

Chris Dowd
Staff Scientist

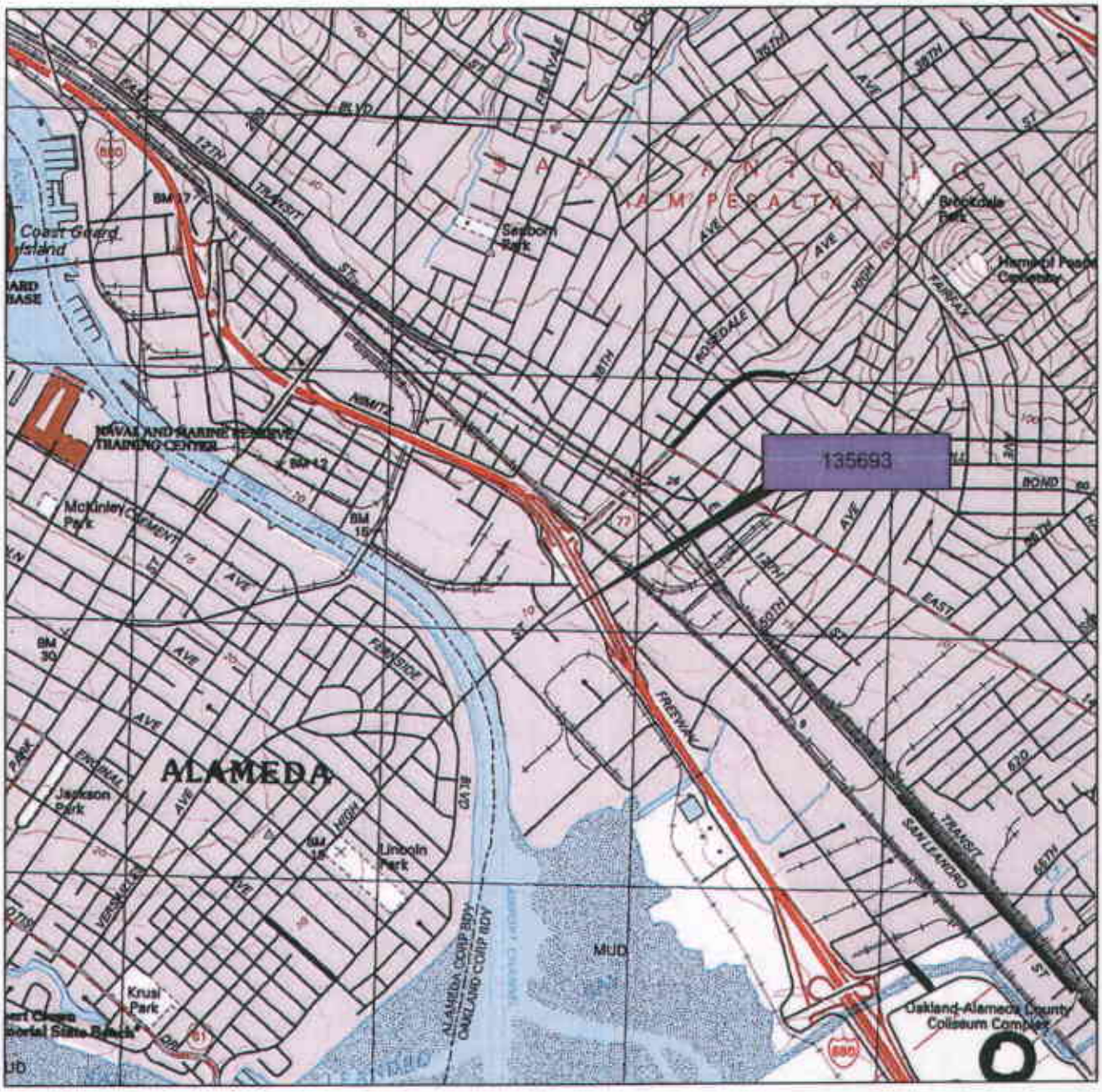
Date: 09/30/2008

Reviewed by:

Rich Garlow, P.G.
California Professional Geologist

Date: 9/30/08

REGISTERED GEOLOGIST
RICHARD A GARLOW
NO. 7472
STATE OF CALIFORNIA



N

Scale (miles)
0 0.1 0.2 0.3 0.4 0.5 0.75 1

0 1000 2000 3000 4000
Scale (feet)

from Oakland East 7.5 minute USGS Quadrangles

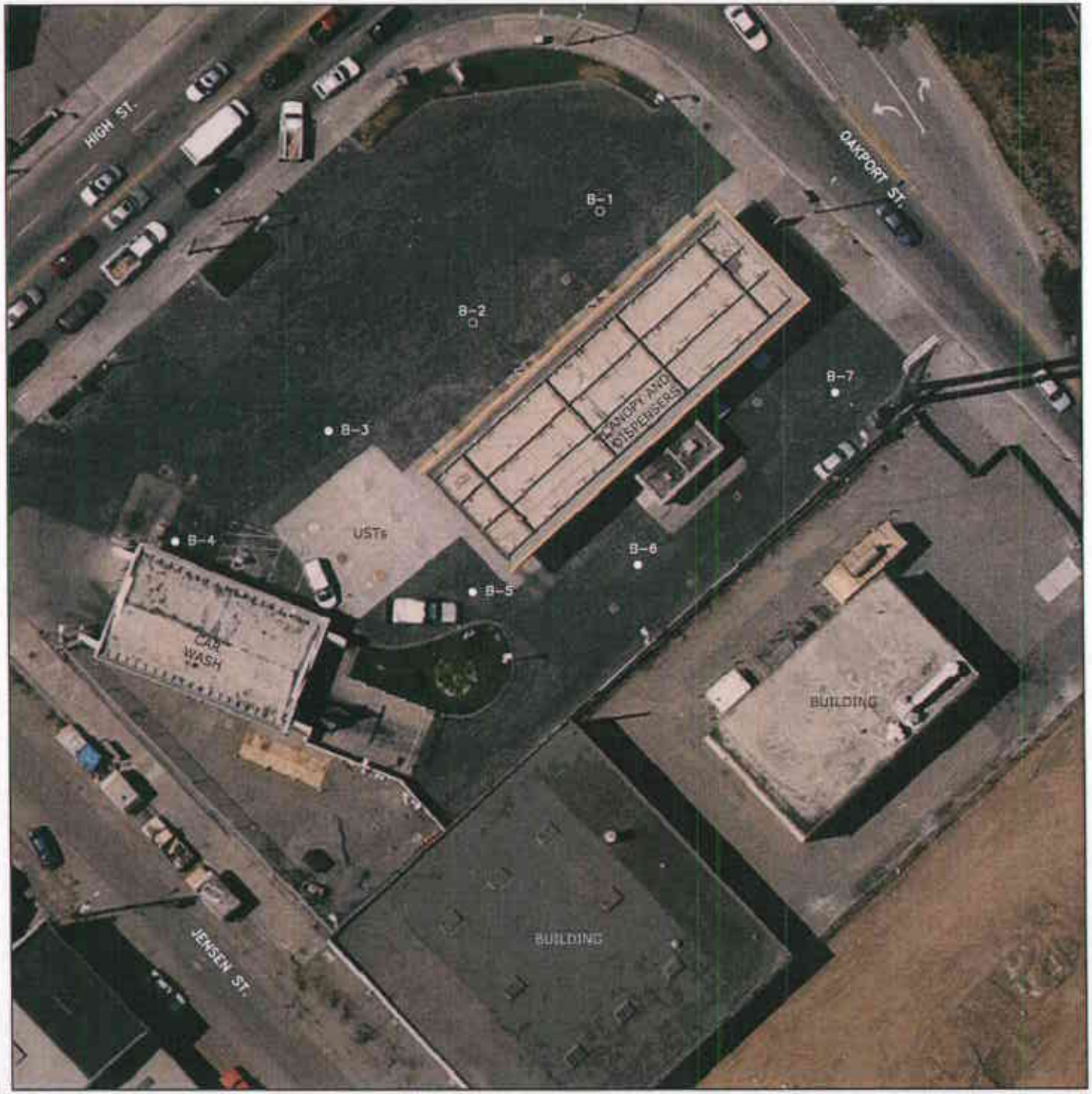
Projection: California State Plane Coordinate System, Zone 3, NAD83, U.S. Survey foot

Figure 1

SITE LOCATION MAP

Shell SAP 135693
630 High Street
Oakland, California

Project No.	Prepared by	Drawn by	
CASHLBADWA	LNH	LNH	
Date	Reviewed by	Filename	
9/10/08		135693-SL	DELTA



LEGEND

- ● UNDERGROUND STORAGE TANK (UST) AREA SOIL BORING
- ○ DISPENSER AREA SOIL BORING

N

0 20 40

Scale (feet)

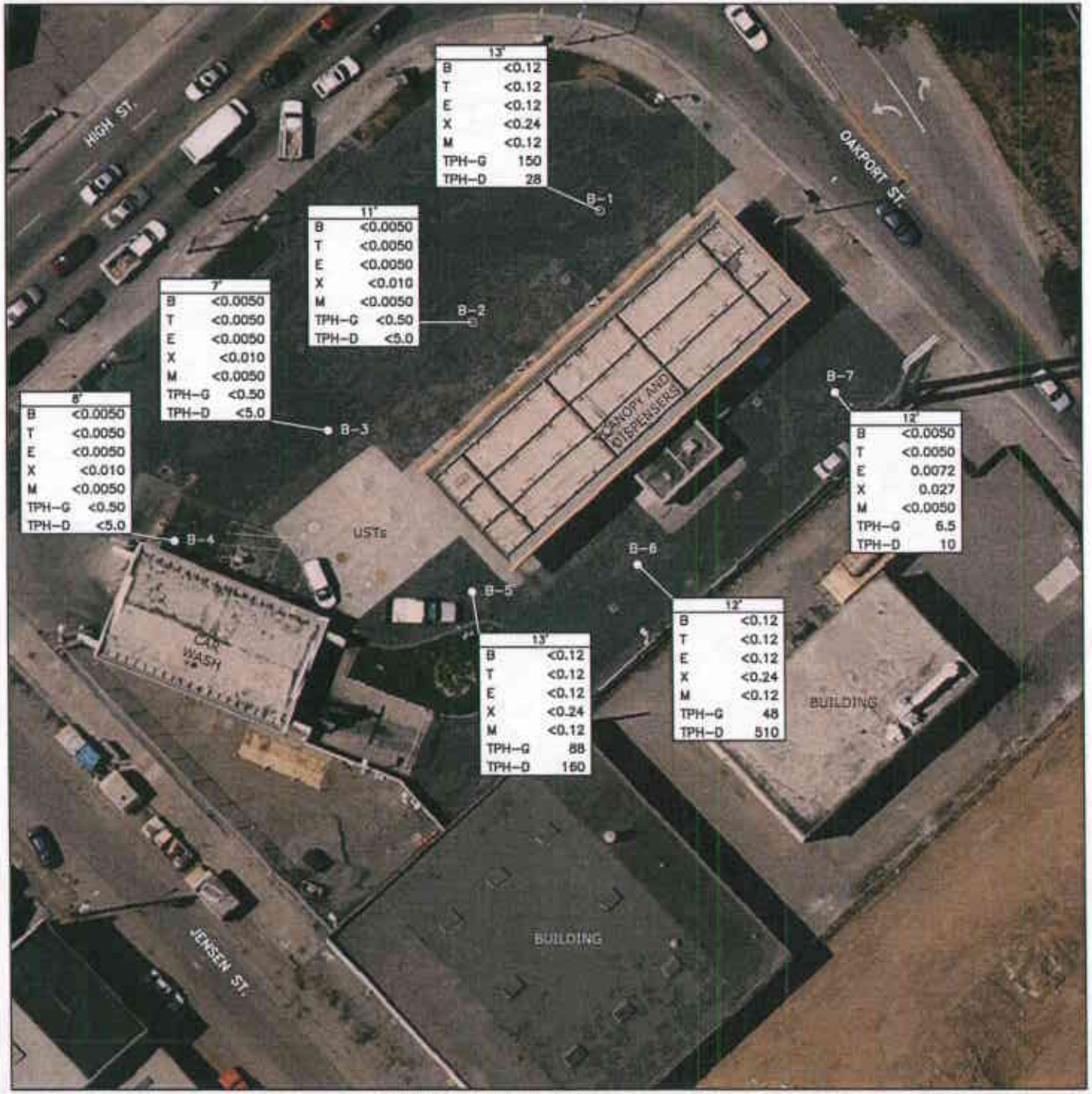
Projection: California State Plane Coordinate System, Zone 3, NAD83, U.S. Survey foot

• BORING LOCATIONS ARE APPROXIMATE

Figure 2
SITE PLAN

Shell SAP 135893
630 High Street
Oakland, California

Project No.	Prepared by	Drawn by	
CASHLBADWA	LNH	LNH	
Date	Reviewed by	Filename	
9/10/08		135893	DELTA



* BORING LOCATIONS ARE APPROXIMATE

LEGEND

- ● UNDERGROUND STORAGE TANK (UST) AREA SOIL BORING
- ○ DISPENSER AREA SOIL BORING

6'	SAMPLE DEPTH (bgs)
B <0.0050	BENZENE (mg/kg)
T <0.0050	TOLUENE (mg/kg)
E <0.0050	ETHYL-BENZENE (mg/kg)
X <0.0050	TOTAL XYLENES (mg/kg)
M <0.0050	MTBE (mg/kg)
TPH-G <0.50	TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (mg/kg)
TPH-D NA	TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS (mg/kg)

NA	NOT ANALYZED
ND	NOT DETECTED
NS	NOT SAMPLED
mg/kg	MILLIGRAMS PER KILOGRAM
<0.0050	LESS THAN METHOD REPORTING LIMIT (NOT DETECTED)
MTBE	METHYL TERT-BUTYL ETHER
bgs	BELOW GROUND SURFACE

N

0 20 40

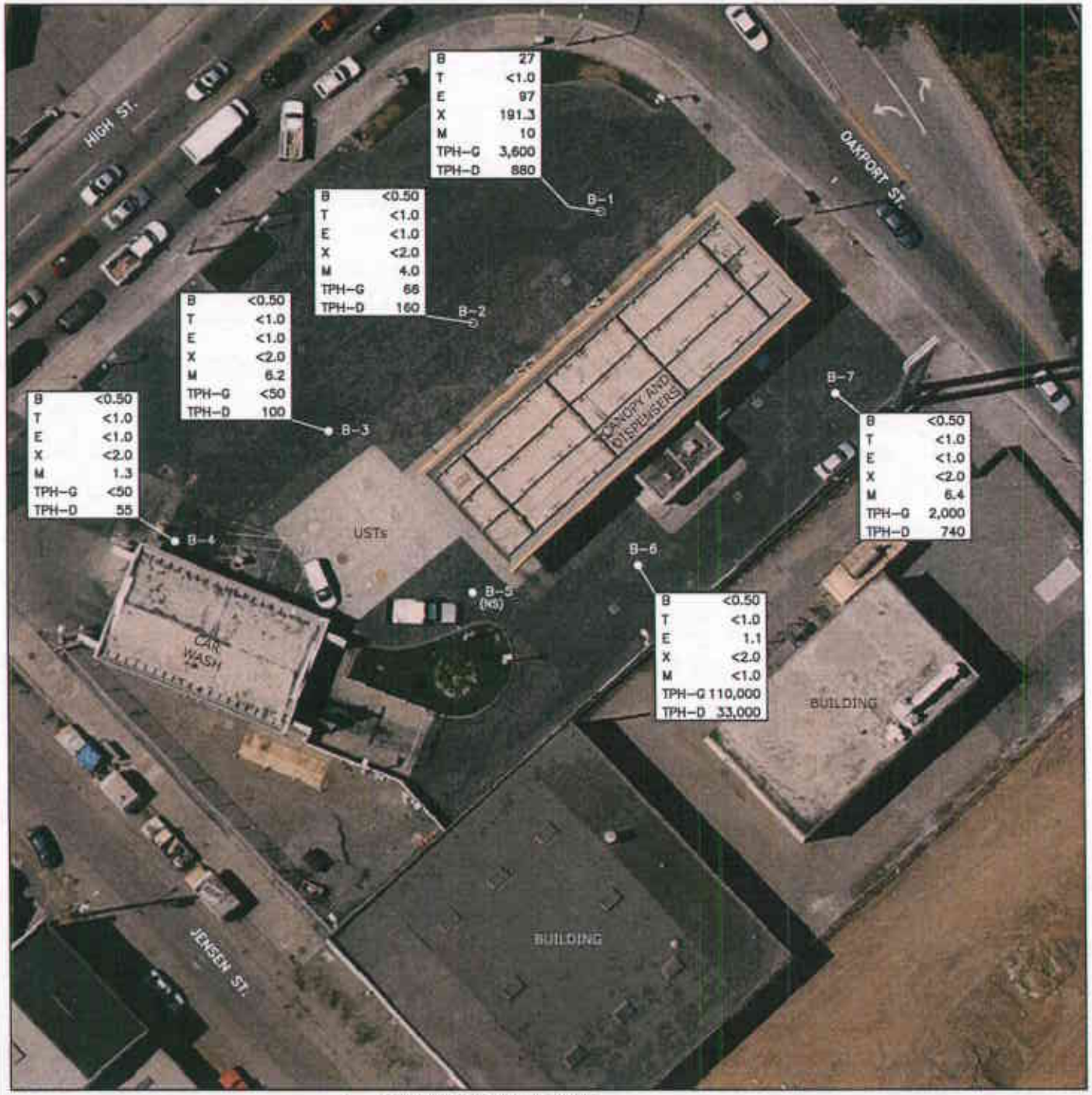
Scale (feet)

Projection: California State Plane Coordinate System, Zone 3, NAD83, U.S. Survey foot

Figure 3
SOIL CONCENTRATION MAP
AUGUST 4, 2008
Shell SAP 135693
630 High Street
Oakland, California

Project No.	Prepared by	Drawn by
CASHLBADWA	LNH	LNH
Date	Reviewed by	Filename
9/10/08		135693

DELTA



* BORING LOCATIONS ARE APPROXIMATE

LEGEND

- ● UNDERGROUND STORAGE TANK (UST) AREA SOIL BORING
- ○ DISPENSER AREA SOIL BORING

B	<0.50	BENZENE (ug/L)
T	<1.0	TOLUENE (ug/L)
E	<1.0	ETHYL-BENZENE (ug/L)
X	<1.0	TOTAL XYLENES (ug/L)
M	5.8	MTBE (ug/L)
TPH-G	200	TOTAL PETROLEUM HYDROCARBONS GASOLINE RANGE ORGANICS (ug/L)
TPH-D	NA	TOTAL PETROLEUM HYDROCARBONS DIESEL RANGE ORGANICS (ug/L)

NA	NOT ANALYZED
NS	NOT SAMPLED
ug/L	MICROGRAMS PER LITER
<0.50	LESS THAN METHOD REPORTING LIMIT (NOT DETECTED)
MTBE	METHYL TERT-BUTYL ETHER

N

0 20 40

Scale (feet)

Projection: California State Plane Coordinate System, Zone 3, NAD83, U.S. Survey foot

Figure 4
GROUNDWATER CONCENTRATION MAP
AUGUST 4, 2008
Shell SAP 135693
630 High Street
Oakland, California

Project No.	Prepared by	Drawn by
CASHLBADWA	LNH	LNH
Date	Reviewed by	Filename
9/10/08		135693

DELTA

Table 1
Summary of Soil Analytical Results - TPH & VOCs
SAP No. 135693
630 High Street
Oakland, California

Sample Identification	Sample Depth (feet)	Sample Date	TPH-G (mg/kg)	TPH-D (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	EDB (mg/kg)	EDC (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)
B-1 13'	13	08/04/08	150	28	< 0.12	< 0.12	< 0.12	< 0.24	NA	NA	< 0.12	< 1.2	< 0.25	< 0.25	< 0.25	< 12
B-2 11'	11	08/05/08	< 0.50	< 5.0	< 0.0050	< 0.0050	< 0.0050	< 0.010	NA	NA	< 0.0050	< 0.050	< 0.010	< 0.010	< 0.010	< 0.50
B-3 7'	7	08/05/08	< 0.50	< 5.0	< 0.0050	< 0.0050	< 0.0050	< 0.010	NA	NA	< 0.0050	< 0.050	< 0.010	< 0.010	< 0.010	< 0.50
B-4 8'	8	08/05/08	< 0.50	< 5.0	< 0.0050	< 0.0050	< 0.0050	< 0.010	NA	NA	< 0.0050	< 0.050	< 0.010	< 0.010	< 0.010	< 0.50
B-5 13'	13	08/04/08	88	160	< 0.12	< 0.12	< 0.12	< 0.24	NA	NA	< 0.12	< 1.2	< 0.25	< 0.25	< 0.25	< 12
B-6 12'	12	08/04/08	48	610	< 0.12	< 0.12	< 0.12	< 0.24	NA	NA	< 0.12	< 1.2	< 0.25	< 0.25	< 0.25	< 12
B-7 12'	12	08/04/08	6.5	10	< 0.0050	< 0.0050	0.0072	0.027	NA	NA	< 0.0050	< 0.050	< 0.010	< 0.010	< 0.010	< 0.50
ESL[1]: Shallow Soils (<3m), Residential Land Use, Groundwater is Current or Potential Source of Drinking Water (Table A)			**83**	**83**	**0.044**	**2.9**	**2.3**	**2.3**	**0.00033**	**0.0045**	**0.023**	**0.075**	**NA**	**NA**	**NA**	**NA**
ESL[1]: Deep Soils (>3m), Residential Land Use, Groundwater is Current or Potential Source of Drinking Water (Table C)			**83**	**83**	**0.044**	**2.9**	**3.3**	**2.3**	**0.00033**	**0.0045**	**0.023**	**0.075**	**NA**	**NA**	**NA**	**NA**

Notes:
mg/kg = milligrams per kilogram
< = Not detected at concentration exceeding laboratory method reporting limit (MRL)
VOC = Volatile organic compound
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-D = Total Petroleum Hydrocarbons as Diesel
EDB = 1,2-dibromoethane
EDC = 1,2-dichloroethane
MTBE = Methyl tert-Butyl Ether
TBA = Tertiary Butyl Alcohol
DIPE = Diisopropyl Ether
ETBE = Ethyl tert-Butyl Ether
TAME = Tert-Amyl Butyl Ether
NA = Not Analyzed, Not Available
VOC analysis by EPA Method 8260B
Gasoline-range hydrocarbons by EPA Method 8260B
Diesel-range hydrocarbons by EPA Method 8015B
[1] ESL = Environmental Screening Level. Screening criteria referenced are from the *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, San Francisco Bay Region, Interim Final, November 2007, revised May 2008.

Table 2
Summary of Groundwater Analytical Results - TPH & VOCs
SAP No. 135693
630 High Street
Oakland, California

Sample Identification	Sample Date	Depth to Water (feet)	TPH-G (µg/L)	TPH-D (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	EDB (µg/L)	EDC (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)
B-1	08/04/08	18.75	3,600	880	27	< 1.0	97	191.3	NA	NA	10	< 10	150	< 2.0	< 2.0	< 100
B-2	08/05/08	11.10	68	160	< 0.50	< 1.0	< 1.0	< 2.0	NA	NA	4.0	110	< 2.0	< 2.0	< 2.0	< 100
B-3	08/05/08	12.3	< 50	100	< 0.50	< 1.0	< 1.0	< 2.0	NA	NA	8.2	< 10	< 2.0	< 2.0	< 2.0	< 100
B-4	08/05/08	9.8	< 50	55	< 0.50	< 1.0	< 1.0	< 2.0	NA	NA	1.3	< 10	< 2.0	< 2.0	< 2.0	< 100
B-6	08/04/08	10	110,000	33,000	< 0.50	< 1.0	1.1	< 2.0	NA	NA	< 1.0	< 10	< 2.0	< 2.0	< 2.0	< 100
B-7	08/04/08	10	2,000	740	< 0.50	< 1.0	< 1.0	1.0	NA	NA	6.4	59	< 2.0	< 2.0	< 2.0	< 100
Trip Blank	--	--	< 50	NA	< 0.50	< 1.0	< 1.0	< 2.0	NA	NA	< 1.0	< 10	< 2.0	< 2.0	< 2.0	< 100
ESL[1]: Shallow Soils (<3m), Residential Land Use, Groundwater is a Current or Potential Source of Drinking Water (Table A)			100	100	1	40	30	20	0.05	0.5	5	12	NA	NA	NA	NA
ESL[1]: Deep Soils (>3m), Residential Land Use, Groundwater is a Current or Potential Source of Drinking Water ESLs (Table C)			100	100	1	40	30	20	0.05	0.5	5	12	NA	NA	NA	NA

Notes:
µg/L = micrograms per liter
< = Not detected at concentration exceeding laboratory method reporting limit (MRL)
VOC = Volatile organic compound
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-D = Total Petroleum Hydrocarbons as Diesel
EDB = 1,2-dibromoethane
EDC = 1,2-dichloroethane
MTBE = Methyl tert-Butyl Ether
TBA = Tertiary Butyl Alcohol
DIPE = Diisopropyl Ether
ETBE = Ethyl tert-Butyl Ether
TAME = Tert-Amyl Butyl Ether
NA = Not Analyzed, Not Available
VOC analysis by EPA Method 8260B
Gasoline-range hydrocarbons by EPA Method 8260B
Diesel-range hydrocarbons by EPA Method 8015B
[1] ESL = Environmental Screening Level. Screening criteria referenced are from the *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, California Regional Water Quality Control Board, San Francisco Bay Region, Interim Final, November 2007, revised May 2008.

APPENDIX A

ENVIRONMENTAL DATA RESOURCES WELL SURVEY REPORT

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	0.189
Federal FRDS PWS	0.189
State Database	0.189

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

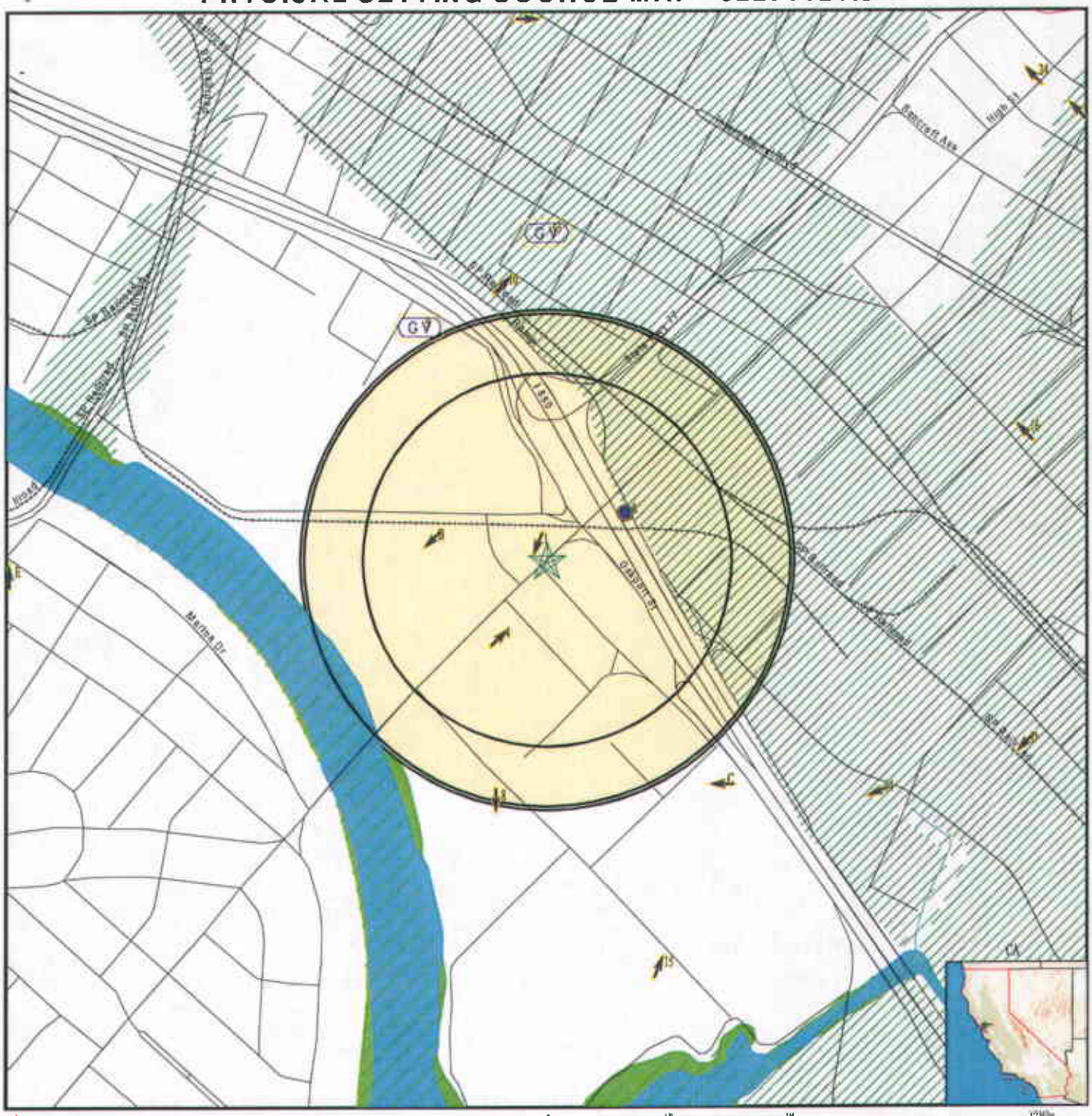
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 02271121.3r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

SITE NAME: 135693	CLIENT: Delta Consultants
ADDRESS: 630 HIGH ST OAKLAND CA 94601	CONTACT: Gary E. Turgeon
LAT/LONG: 37.7675 / 122.2213	INQUIRY #: 02271121.3r DATE: July 17, 2008 9:38 am

Drilling Started: 08/04/2008
Drilling Completed: 08/04/2008
Drilling Method and Diameter: Direct Push; 2.5" diameter
Drilling Company: Cascade Drilling
Drilled By:
Logged By: Marisol Ortiz
Boring: B-1

Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No recovery. Air Knifed to 5 feet below ground surface (bgs)			
2							2
4				5.00'			4
6		10	4.0	*Clay: Black, high plasticity, moist.*	OH		6
		100	1.6				
		100	2.6				
8		100	3.4	*With some sand, odor.*			8
		90	0.0	9.00' *Clay: Dark brown, with some sand and gravel, medium plasticity, odor.*	CL		
10		0		11.00'			10
		75	16.8	*Poorly graded sand: Black, coarse, odor.*	SP		
12		100	20.9	12.00' *Sand: Black, fine to medium with some clay, low plasticity, odor.*	SC		12
		100	50.5	*Greenish-gray, medium to coarse with some clay, moist, odor.*			
14		90	43.1	*Light brown, medium to coarse with some clay and gravel.*			14
		0		16.00'			
16		25	5.8	*Poorly graded sand: Light brown, medium to coarse.*	SP		16
		100	3.8	17.00' *Clay: Light brown, high plasticity.*	OH		
18	▼	100	2.1				18
		80	2.4	*Light brown, moist, high plasticity.*			
20				20.00'			20

▼ Initial Water Level (18.75')

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA

CASHL-BADW-A
09-10-2008 | 09-10-2008
CALIFORNIA | CRF | A.D.
SH5693-B1

SHELL FACILITY NO. 135693
630 High Street
Oakland, California

Soil Boring Log
B-1

FIGURE

Drilling Started: 08/05/2008
Drilling Completed: 08/05/2008
Drilling Method and Diameter: Direct Push; 2.5" diameter
Drilling Company: Cascade
Drilled By:
Logged By: Marisol Ortiz
Boring: B-2

Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No recovery. Air Knifed to 5 feet below ground surface (bgs)			
				5.00'			
		25	5.5	*Clay: Dark brown, with some sand, moist.*	CL		
		100		*Dark brown, medium plasticity.*			
		100	6.0				
		100		9.00'			
		80	3.9	*Poorly graded sand and gravel: Green, with some clay.*	SP		
		0					
		75	5.8	*Poorly graded sand: Dark brown, medium-coarse, with some gravel.*			
		100		*Poorly graded sand and gravel: Gray, moist.*			
				13.00'			
		100	4.1	*Sand and Clay: Light brown.*	SC		
				14.00'			
		80		*Poorly graded sand: Light brown, coarse, moist.*	SP		
		0					
		30	8.2	*Poorly graded sand and gravel: Dark brown, medium to coarse.*			
				17.00'			
		100		*Clay: Light brown, high plasticity.*	CH		
		100	6.2				
		0					
				20.00'			

▼ Initial Water Level (11.10')

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA

CASHL-BADW-A
09-11-2008 | 09-11-2008
CALIFORNIA | CEF | A.D.
SH5693-B2

SHELL FACILITY NO. 135693
630 High Street
Oakland, California

Soil Boring Log
B-2

FIGURE

Drilling Started: 08/05/2008
Drilling Completed: 08/05/2008
Drilling Method and Diameter: Direct Push; 2.5" diameter
Drilling Company: Cascade Drilling
Drilled By:
Logged By: Marisol Ortiz
Boring: B-3

Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No recovery. Air Knifed to 5 feet below ground surface (bgs)			
2							2
4				5.00'			4
6		75	34.8	*Clay: Black, dry, medium plasticity.*	CL		6
		100		*Dark brown.*			
	▮	100	56.3	*Light brown, with some sand, medium plasticity.*			
8		100		*Light brown, with some sand and gravel, damp.*			8
				9.00'			
10		80	44.2	*Poorly graded sand and gravel: Light brown, with some clay, damp.*	SP		10
		0		11.00'			
		50	28.9	*Sand and Clay: Light brown, damp.*	SC		
12				12.00'			12
	▼	100		*Poorly graded sand and gravel: Light brown, with some clay, medium plasticity, damp.*	SP		
		100	21.7				
14		80					14
		0					
16		50	30.2	*Moist.*			16
				17.00'			
		100		*Clay: Light brown, with some sand, moist.*	CL		
18		100	28.1				18
		80					
20							20

▼ Initial Water Level (12.30')

▮ DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA	CASHL-BADW-A 09-11-2008 | 09-11-2008 CALIFORNIA | CRF | A.D. SH5693-B3	SHELL FACILITY NO. 135693 630 High Street Oakland, California	Soil Boring Log B-3	FIGURE

Drilling Started: 08/05/2008
Drilling Completed: 08/05/2008
Drilling Method and Diameter: Direct Push; 2.5" diameter
Drilling Company: Cascade Drilling
Drilled By:
Logged By: Marisol Ortiz
Boring: B-4

Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No recovery. Air Knifed to 5 feet below ground surface (bgs)			
2							2
4				5.00'			4
		50	18.1	*Clay: Black, high plasticity, moist.*	CH		
6				6.00'			6
		100		*Clay: Dark Brown, medium plasticity.*	CL		
		100	20.3	*Light brown, with some sand.*			
8		100	40.7	*Light brown, with some sand and gravel.*			8
				8.00'			
	▼	80	15.2	*Poorly graded sand and gravel: Dark brown, moist.*	SP		
10		0					10
				11.00'			
		50	16.1	*Clay: Dark brown, high plasticity.*	CH		
12		100		*Light brown, with some sand and gravel, high plasticity.*			12
				13.00'			
		100	8.8	*Poorly graded sand and gravel: Light brown, moist.*	SP		
14		80					14
		0					
16		0					16
		75	30.3				
18		100		*With some clay, moist.*			18
				19.00'			
		85		*Clay and Silt: Light brown, moist.*	CL		
20				20.00'			20

▼ Initial Water Level (9.80')

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA	CASHL-BADW-A 09-11-2008 | 09-11-2008 CALIFORNIA | CHF | A.D. SH5693-B4	SHELL FACILITY NO. 135693 630 High Street Oakland, California	Soil Boring Log B-4	FIGURE

Drilling Started: 08/04/2008
Drilling Completed: 08/04/2008
Drilling Method and Diameter: Direct Push; 2.5" diameter
Drilling Company: Cascade Drilling
Drilled By:
Logged By: Marisol Ortiz
Boring: B-5

Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No recovery. Air Knifed to 5 feet below ground surface (bgs)			
2							2
4				5.00'			4
6		90	12.7	*Clay: Black, high plasticity.*	CH		6
		100	34.3	7.00'			
8		100	38.9	*Clay: Dark brown, with some silt, medium plasticity.*	CL		8
		100	37.8				
		90	40.1	*Gray.*			
10		95	34.5	10.00' *Poorly graded sand: Gray, fine-grained with some clay, odor.* 11.00'	SP		10
		100	30.0	*Clay: Light brown, with some sand, medium to high plasticity.*	CH		
12		100	22.7	*Light brown, high plasticity.* 13.00'			12
		100	40.5	*Clay: Greenish-gray, with some sand, medium plasticity*	CL		
14		100	75.2	*Gray, with some sand, medium plasticity* 15.00'			14
16				*Boring terminated at 15 feet bgs. Refusal encountered due to malfunctioning rod. The rod could not be removed. Groundwater level was not measured.*			16
18							18
20							20

▼ Initial Water Level (Not Measured)

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA

CASHL-BADW-A
09-11-2008 | 09-11-2008
CALIFORNIA | CRF | A.D.
SH5693-B5

SHELL FACILITY NO. 135693
630 High Street
Oakland, California

Soil Boring Log
B-5

FIGURE

Drilling Started: 08/04/2008
Drilling Completed: 08/04/2008
Drilling Method and Diameter: Direct Push; 2.5" diameter
Drilling Company: Cascade Drilling
Drilled By:
Logged By: Marisol Ortiz
Boring: B-6

Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
				No recovery. Air Knifed to 5 feet below ground surface (bgs)			
				5.00'			
6		50	6.5	*Clay: Black, high plasticity, dry.*	OL		6
		100	22.3				
		100	15.3	*Dark gray.*			
8		100	15.6	*Clay: Dark gray, with medium plasticity, dry.*	CL		8
		70	18.7	*Clay: Dark gray, with some sand, damp.*			
10	▼			10.00'			10
		0		*No recovery.*			
		0		12.00'			
12		100	29.0	*Poorly graded sand and gravel: Dark gray, coarse-grained, odor.*	SP		12
				13.00'			
		100	19.2	*Clay: Dark gray, with some sand and gravel, moist, odor.*	CL		
14		70	4.2	14.00' *Clay: Light brown, high plasticity, moist.*	CH		14
				15.00'			
		0		*No recovery.*			
16				16.00'			16
		15	130	*Clay: Dark gray, with some sand, high plasticity, moist, odor.*	CH		
		100	8.2				
18		100	4.0	18.00' *Clay: Light brown, with some sand, medium plasticity, moist.*	CL		18
		80	2.3	*Light brown, with some silt, medium plasticity, moist.*			
20				20.00'			20

▼ Initial Water Level (10.00')

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA

CASHL-BADW-A
09-11-2008 | 09-11-2008
CALIFORNIA | CRP | A.D.
SH5693-B6

SHELL FACILITY NO. 135693
630 High Street
Oakland, California

Soil Boring Log
B-6

FIGURE

Drilling Started: 08/04/2008
Drilling Completed: 08/04/2008
Drilling Method and Diameter: Direct Push; 2.5" diameter
Drilling Company: Cascade Drilling
Drilled By:
Logged By: Marisol Ortiz
Boring: B-7

Depth (feet)	Samples	Recovery (%)	PID (ppm)	LITHOLOGIC DESCRIPTION	USCS	Graphic Log	Depth (feet)
5.00'							
		0		*No recovery.*			
		0					
7.00'							
		15	22.3	*Sand: Black, fine-grained, with some clay, low plasticity, dry, odor.*	SC		
		100	16.3	*Sand and Clay: Black, fine-grained, medium plasticity, dry, odor.*			
		80	7.7				
10.00'	▼						
		0		*No recovery.*			
11.00'							
		40	17.0	*Sand: Black, medium-grained, moist, odor*	SM		
12.00'							
		100	55.3	*Poorly graded sand and gravel: Black, fine-grained, moist, odor.*	SP		
13.00'							
		100	0.3	*Clay: Light brown, high plasticity, moist, odor.*	CH		
		90	0.0	*Clay: Light brown, high plasticity, moist, odor.*			
15.00'							

▼ Initial Water Level (10.00')

DIRECT PUSH Sample Collected for Laboratory Analysis

DELTA

CASHL-BADW-A
09-11-2008 | 09-11-2008
CALIFORNIA | CRF | A.D.
SH5693-B7

SHELL FACILITY NO. 135693
630 High Street
Oakland, California

Soil Boring Log
B-7

FIGURE

APPENDIX C
LABORATORY REPORTS
AND CHAIN OF CUSTODY FORMS

Calscience
Environmental
Laboratories, Inc.

August 25, 2008

Kevin McCarthy
Delta Environmental Consultants
4640 SW Macadam Ave; Suite 110
Portland, OR 97239-4283

Subject: **Calscience Work Order No.:** **08-08-0858**
Client Reference: **630 High Street, Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/9/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants	Date Received:	08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0858
Portland, OR 97239-4283	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1 13'	**08-08-0858-1-A**	**08/04/08 17:31**	**Solid**	**GC 43**	**08/13/08**	**08/13/08 04:50**	**080813B01**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	28	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	98	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2 11'	**08-08-0858-2-A**	**08/05/08 08:48**	**Solid**	**GC 43**	**08/13/08**	**08/13/08 04:58**	**080813B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	104	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3 7'	**08-08-0858-3-A**	**08/05/08 09:52**	**Solid**	**GC 43**	**08/13/08**	**08/13/08 05:06**	**080813B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	98	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4 8'	**08-08-0858-4-A**	**08/05/08 11:40**	**Solid**	**GC 43**	**08/13/08**	**08/13/08 05:14**	**080813B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	102	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants
4640 SW Macadam Ave; Suite 110
Portland, OR 97239-4283

Date Received: 08/09/08
Work Order No: 08-08-0858
Preparation: EPA 3550B
Method: EPA 8015B

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5 13'	**08-08-0858-5-A**	**08/04/08 12:15**	**Solid**	**GC 43**	**08/13/08**	**08/13/08 05:22**	**080813B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	160	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	101	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6 12'	**08-08-0858-6-A**	**08/04/08 13:35**	**Solid**	**GC 43**	**08/13/08**	**08/13/08 05:30**	**080813B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	510	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	107	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7 12'	**08-08-0858-7-A**	**08/04/08 16:05**	**Solid**	**GC 43**	**08/13/08**	**08/13/08 05:41**	**080813B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	10	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	100	61-145			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-025-394**	**N/A**	**Solid**	**GC 43**	**08/13/08**	**08/13/08 02:04**	**080813B01**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	5.0	1		mg/kg
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	101	61-145			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants		Date Received:	08/09/08
4640 SW Macadam Ave; Suite 110		Work Order No:	08-08-0858
Portland, OR 97239-4283		Preparation:	EPA 3510C
		Method:	EPA 8015B

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1	**08-08-0858-8-E**	**08/04/08 17:40**	**Aqueous**	**GC 27**	**08/11/08**	**08/13/08 06:41**	**080811B15**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	880	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	129	68-140			

B-2	**08-08-0858-9-E**	**08/05/08 08:40**	**Aqueous**	**GC 27**	**08/11/08**	**08/13/08 07:00**	**080811B15**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	160	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	120	68-140			

B-3	**08-08-0858-10-D**	**08/05/08 09:47**	**Aqueous**	**GC 27**	**08/11/08**	**08/13/08 07:19**	**080811B15**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	100	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	115	68-140			

Method Blank	**099-12-211-575**	**N/A**	**Aqueous**	**GC 27**	**08/11/08**	**08/13/08 01:00**	**080811B15**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	106	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants	Date Received:	08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0858
Portland, OR 97239-4283	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1	**08-08-0858-8-A**	**08/04/08 17:40**	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08 08:53**	**080811L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	3600	50	1		Methyl-t-Butyl Ether (MTBE)	10	1.0	1	
Benzene	27	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	97	1.0	1		Diisopropyl Ether (DIPE)	150	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	190	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	1.3	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

B-2	**08-08-0858-9-A**	**08/05/08 08:40**	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08 09:23**	**080811L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	66	50	1		Methyl-t-Butyl Ether (MTBE)	4.0	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	110	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	101	70-130		

B-3	**08-08-0858-10-B**	**08/05/08 09:47**	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08 09:53**	**080811L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	6.2	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	70-130			1,4-Bromofluorobenzene-TPPH	101	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants	Date Received:	08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0858
Portland, OR 97239-4283	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-715-747**	**N/A**	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08 02:22**	**080811L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants	Date Received:	08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0858
Portland, OR 97239-4283	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	mg/kg

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1 13'	**08-08-0858-1-A**	**08/04/08 17:31**	**Solid**	**GC/MS WW**	**08/14/08**	**08/14/08 23:53**	**080814L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	150	12	25		Methyl-t-Butyl Ether (MTBE)	ND	0.12	25	
Benzene	ND	0.12	25		Tert-Butyl Alcohol (TBA)	ND	1.2	25	
Ethylbenzene	ND	0.12	25		Diisopropyl Ether (DIPE)	ND	0.25	25	
Toluene	ND	0.12	25		Ethyl-t-Butyl Ether (ETBE)	ND	0.25	25	
p/m-Xylene	ND	0.12	25		Tert-Amyl-Methyl Ether (TAME)	ND	0.25	25	
o-Xylene	ND	0.12	25		Ethanol	ND	12	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	97	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2 11'	**08-08-0858-2-A**	**08/05/08 08:48**	**Solid**	**GC/MS R**	**08/12/08**	**08/13/08 03:40**	**080812L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Ethanol	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	101	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3 7'	**08-08-0858-3-A**	**08/05/08 09:52**	**Solid**	**GC/MS R**	**08/12/08**	**08/13/08 05:11**	**080812L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Ethanol	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	100	70-130			1,4-Bromofluorobenzene-TPPH	105	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants
4640 SW Macadam Ave; Suite 110
Portland, OR 97239-4283

Date Received: 08/09/08
Work Order No: 08-08-0858
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4 8'	**08-08-0858-4-A**	**08/05/08 11:40**	**Solid**	**GC/MS R**	**08/12/08**	**08/13/08 05:41**	**080812L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Ethanol	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	104	70-130		

B-5 13'	**08-08-0858-5-A**	**08/04/08 12:15**	**Solid**	**GC/MS WW**	**08/14/08**	**08/14/08 23:25**	**080814L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	88	12	25		Methyl-t-Butyl Ether (MTBE)	ND	0.12	25	
Benzene	ND	0.12	25		Tert-Butyl Alcohol (TBA)	ND	1.2	25	
Ethylbenzene	ND	0.12	25		Diisopropyl Ether (DIPE)	ND	0.25	25	
Toluene	ND	0.12	25		Ethyl-t-Butyl Ether (ETBE)	ND	0.25	25	
p/m-Xylene	ND	0.12	25		Tert-Amyl-Methyl Ether (TAME)	ND	0.25	25	
o-Xylene	ND	0.12	25		Ethanol	ND	12	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	99	70-130		

B-6 12'	**08-08-0858-6-A**	**08/04/08 13:35**	**Solid**	**GC/MS WW**	**08/14/08**	**08/14/08 22:57**	**080814L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	48	12	25		Methyl-t-Butyl Ether (MTBE)	ND	0.12	25	
Benzene	ND	0.12	25		Tert-Butyl Alcohol (TBA)	ND	1.2	25	
Ethylbenzene	ND	0.12	25		Diisopropyl Ether (DIPE)	ND	0.25	25	
Toluene	ND	0.12	25		Ethyl-t-Butyl Ether (ETBE)	ND	0.25	25	
p/m-Xylene	ND	0.12	25		Tert-Amyl-Methyl Ether (TAME)	ND	0.25	25	
o-Xylene	ND	0.12	25		Ethanol	ND	12	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	70-130			1,4-Bromofluorobenzene-TPPH	101	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants
4640 SW Macadam Ave; Suite 110
Portland, OR 97239-4283

Date Received: 08/09/08
Work Order No: 08-08-0858
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: mg/kg

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7 12'	**08-08-0858-7-A**	**08/04/08 16:05**	**Solid**	**GC/MS R**	**08/12/08**	**08/13/08 06:11**	**080812L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	6.5	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	0.0072	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
p/m-Xylene	0.014	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
o-Xylene	0.013	0.0050	1		Ethanol	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	107	70-130			1,4-Bromofluorobenzene-TPPH	106	70-130		

Method Blank	099-12-717-166	N/A	Solid	GC/MS R	08/12/08	08/13/08 02:40	080812L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.0050	1	
Benzene	ND	0.0050	1		Tert-Butyl Alcohol (TBA)	ND	0.050	1	
Ethylbenzene	ND	0.0050	1		Diisopropyl Ether (DIPE)	ND	0.010	1	
Toluene	ND	0.0050	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.010	1	
p/m-Xylene	ND	0.0050	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.010	1	
o-Xylene	ND	0.0050	1		Ethanol	ND	0.50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	100	70-130			1,4-Bromofluorobenzene-TPPH	105	70-130		

Method Blank	099-12-717-168	N/A	Solid	GC/MS WW	08/14/08	08/14/08 18:02	080814L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	12	25		Methyl-t-Butyl Ether (MTBE)	ND	0.12	25	
Benzene	ND	0.12	25		Tert-Butyl Alcohol (TBA)	ND	1.2	25	
Ethylbenzene	ND	0.12	25		Diisopropyl Ether (DIPE)	ND	0.25	25	
Toluene	ND	0.12	25		Ethyl-t-Butyl Ether (ETBE)	ND	0.25	25	
p/m-Xylene	ND	0.12	25		Tert-Amyl-Methyl Ether (TAME)	ND	0.25	25	
o-Xylene	ND	0.12	25		Ethanol	ND	12	25	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	70-130			1,4-Bromofluorobenzene-TPPH	98	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants	Date Received: 08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No: 08-08-0858
Portland, OR 97239-4283	Preparation: EPA 3550B
	Method: EPA 8015B

Project 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-08-0667-1	**Solid**	**GC 43**	**08/13/08**	**08/13/08**	**080813S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	89	95	64-130	6	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants		Date Received:	08/09/08
4640 SW Macadam Ave; Suite 110		Work Order No:	08-08-0858
Portland, OR 97239-4283		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-08-0665-1	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08**	**080811S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	86	88	70-130	2	0-30	
Ethylbenzene	111	112	70-130	1	0-30	
Toluene	99	99	70-130	0	0-30	
p/m-Xylene	111	112	70-130	1	0-30	
o-Xylene	111	111	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	126	127	70-130	1	0-30	
Tert-Butyl Alcohol (TBA)	117	122	70-130	4	0-30	
Diisopropyl Ether (DIPE)	111	111	70-130	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	116	118	70-130	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	107	106	70-130	1	0-30	
Ethanol	76	87	70-130	14	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants	Date Received: 08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No: 08-08-0858
Portland, OR 97239-4283	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-2 11'	**Solid**	**GC/MS R**	**08/12/08**	**08/13/08**	**080812S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	83	84	70-130	1	0-30	
Ethylbenzene	106	110	70-130	4	0-30	
Toluene	99	101	70-130	1	0-30	
p/m-Xylene	106	110	70-130	4	0-30	
o-Xylene	112	112	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	128	124	70-130	3	0-30	
Tert-Butyl Alcohol (TBA)	106	105	70-130	1	0-30	
Diisopropyl Ether (DIPE)	108	102	70-130	5	0-30	
Ethyl-t-Butyl Ether (ETBE)	121	114	70-130	6	0-30	
Tert-Amyl-Methyl Ether (TAME)	106	102	70-130	4	0-30	
Ethanol	0	39	70-130	200	0-30	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants
4640 SW Macadam Ave; Suite 110
Portland, OR 97239-4283

Date Received: 08/09/08
Work Order No: 08-08-0858
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-08-0885-4	**Solid**	**GC/MS WW**	**08/14/08**	**08/14/08**	**080814S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	92	88	70-130	4	0-30	
Ethylbenzene	96	92	70-130	4	0-30	
Toluene	93	88	70-130	6	0-30	
p/m-Xylene	98	93	70-130	5	0-30	
o-Xylene	98	94	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	118	112	70-130	6	0-30	
Tert-Butyl Alcohol (TBA)	102	111	70-130	8	0-30	
Diisopropyl Ether (DIPE)	105	100	70-130	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	107	102	70-130	5	0-30	
Tert-Amyl-Methyl Ether (TAME)	105	99	70-130	5	0-30	
Ethanol	124	106	70-130	16	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants	Date Received:	N/A
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0858
Portland, OR 97239-4283	Preparation:	EPA 3550B
	Method:	EPA 8015B

Project: 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-025-394	Solid	GC 43	08/13/08	08/13/08	080813B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	86	84	75-123	2	0-12	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants	Date Received:	N/A
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0858
Portland, OR 97239-4283	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-575	Aqueous	GC 27	08/11/08	08/13/08	080811B15

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	103	100	75-117	2	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants		Date Received:	N/A
4640 SW Macadam Ave; Suite 110		Work Order No:	08-08-0858
Portland, OR 97239-4283		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project: 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-715-747	Aqueous	GC/MS R	08/11/08	08/12/08	080811L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
TPPH	107	104	65-135	53-147	3	0-30	
Benzene	88	89	70-130	60-140	1	0-30	
Ethylbenzene	106	107	70-130	60-140	1	0-30	
Toluene	101	100	70-130	60-140	0	0-30	
p/m-Xylene	106	107	70-130	60-140	1	0-30	
o-Xylene	106	106	70-130	60-140	1	0-30	
Methyl-t-Butyl Ether (MTBE)	122	122	70-130	60-140	0	0-30	
Tert-Butyl Alcohol (TBA)	111	112	70-130	60-140	1	0-30	
Diisopropyl Ether (DIPE)	109	109	70-130	60-140	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	118	116	70-130	60-140	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	102	103	70-130	60-140	0	0-30	
Ethanol	92	101	70-130	60-140	9	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants
4640 SW Macadam Ave; Suite 110
Portland, OR 97239-4283

Date Received: N/A
Work Order No: 08-08-0858
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-717-166	**Solid**	**GC/MS R**	**08/12/08**	**08/13/08**	**080812L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	105	104	65-135	53-147	1	0-30	
Benzene	88	87	70-130	60-140	1	0-30	
Ethylbenzene	106	106	70-130	60-140	1	0-30	
Toluene	101	100	70-130	60-140	1	0-30	
p/m-Xylene	106	106	70-130	60-140	1	0-30	
o-Xylene	106	108	70-130	60-140	1	0-30	
Methyl-t-Butyl Ether (MTBE)	118	118	70-130	60-140	0	0-30	
Tert-Butyl Alcohol (TBA)	105	106	70-130	60-140	1	0-30	
Diisopropyl Ether (DIPE)	106	105	70-130	60-140	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	113	109	70-130	60-140	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	104	102	70-130	60-140	2	0-30	
Ethanol	88	88	70-130	60-140	0	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants		Date Received:	N/A
4640 SW Macadam Ave; Suite 110		Work Order No:	08-08-0858
Portland, OR 97239-4283		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project: 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-717-168	Solid	GC/MS WW	08/14/08	08/14/08	080814L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	85	90	65-135	53-147	5	0-30	
Benzene	99	96	70-130	60-140	3	0-30	
Ethylbenzene	104	103	70-130	60-140	1	0-30	
Toluene	99	98	70-130	60-140	1	0-30	
p/m-Xylene	107	104	70-130	60-140	3	0-30	
o-Xylene	105	102	70-130	60-140	3	0-30	
Methyl-t-Butyl Ether (MTBE)	109	108	70-130	60-140	1	0-30	
Tert-Butyl Alcohol (TBA)	117	126	70-130	60-140	7	0-30	
Diisopropyl Ether (DIPE)	103	98	70-130	60-140	5	0-30	
Ethyl-t-Butyl Ether (ETBE)	104	99	70-130	60-140	5	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	92	70-130	60-140	6	0-30	
Ethanol	124	110	70-130	60-140	12	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-08-0858

Qualifier	Definition
#	Analyte result was suppressed.
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
D	The analyte concentration was reported from analysis of the diluted sample.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
V	Relative percent difference out of control.
X	% Recovery and/or RPD out-of-range.

Work Order Number: 08-08-0858

Qualifier	Definition
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☑ ENV. SERVICES | ☐ MOTIVA RETAIL | ☐ SHELL RETAIL
☐ MOTIVA SD&CM | ☐ CONSULTANT | ☐ LUBES
☐ SHELL PIPELINE | ☐ OTHER

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): 9 7 7 6 7 7 8 9 | ☐ CHECK IF NO INCIDENT # APPLIES

DATE: _____

PO #:

SAP #: 1 3 5 6 9 3

PAGE: _____ of _____

SAMPLING COMPANY: Delta Environmental Consultants | LOG CODE:

SITE ADDRESS: Street and City: 1030 High Street, Oakland | State: CA | GLOBAL ID NO.:

ADDRESS: 5910 Rice Creek Parkway, Suite 100 St. Paul MN 55126

EDF DELIVERABLE TO (Name, Company, Office Location): | PHONE NO.: | E-MAIL: | CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to): Gary Turgeon

TELEPHONE: 651-697-5159 | FAX: 651-639-9473 | E-MAIL: gturgeon@deltaenv.com

SAMPLER NAME(S) (Print): Marisol Ortiz

LAB USE ONLY: 08-0858

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ WQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

5 oxygenates are MTBE, ETBE, TBA, TAME, DIPE

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-G/BTEX/Shell Oxys and ethanol by EPA 8260	TPH-D by 8015M	Full list VOCs	Oil & Grease (1664)	CAM 17 Metals (6000/7000)	PNAs and creosote (8270C-dim)	1,2 DCA and EDB by EPA 260B	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
1	B-1 13'	8/4/08	17:30	Soil						1	✓	✓							
2	B-2 11'	8/5/08	8:48	Soil						1	✓	✓							
3	B-3 7'	8/5/08	9:52	Soil						1	✓	✓							
4	B-4 8'	8/5/08	11:40	Soil						1	✓	✓							
5	B-5 13'	8/4/08	12:15	Soil						1	✓	✓							
6	B-6 12'	8/4/08	13:35	Soil						1	✓	✓							
7	B-7 12'	8/4/08	16:05	Soil						1	✓	✓							
8	B-1	8/4/08	17:40	GW						5	✓	✓							
9	B-2	8/5/08	8:40	GW						5	✓	✓							
10	B-3	8/5/08	9:47	GW						4	✓	✓							

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Marisol Ortiz	[signature] 8/05/08		
[signature] 8/05/08	GSO		
GSO	[signature] CEL	08-09-08	8:45

05/2/06 Revision

10586924

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 08-0858

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: DELTA DATE: 08-09-08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature (For Air & Filter only).

___.___ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

4.3 °C Temperature blank.
___.___ °C IR thermometer.
_____ Ambient temperature (For Air & Filter only).

Initial: TD

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: TD

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓	✓ TD	
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

SOIL AND WATER

Initial: TD

COMMENTS:

(-8): SAMPLE ID B-1; 1 x 1L AMBER PRESERVED WITH H_2SO_4 SAMPLED ON 08-04-08 AT 10:30

08-09-08

Calscience
Environmental
Laboratories, Inc.

August 25, 2008

Kevin McCarthy
Delta Environmental Consultants
4640 SW Macadam Ave; Suite 110
Portland, OR 97239-4283

Subject: **Calscience Work Order No.:** **08-08-0859**
Client Reference: **630 High Street, Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/9/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants
4640 SW Macadam Ave; Suite 110
Portland, OR 97239-4283

Date Received: 08/09/08
Work Order No: 08-08-0859
Preparation: EPA 3510C
Method: EPA 8015B

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4	**08-08-0859-1-E**	**08/05/08 11:15**	**Aqueous**	**GC 27**	**08/11/08**	**08/14/08 12:34**	**080812B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	55	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	87	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6	**08-08-0859-2-E**	**08/04/08 13:39**	**Aqueous**	**GC 27**	**08/11/08**	**08/13/08 11:40**	**080812B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	33000	500	10		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	113	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7	**08-08-0859-3-E**	**08/04/08 16:10**	**Aqueous**	**GC 27**	**08/11/08**	**08/14/08 12:53**	**080812B14**

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	740	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	110	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-577**	**N/A**	**Aqueous**	**GC 27**	**08/11/08**	**08/13/08 10:23**	**080812B14**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	112	68-140			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants	Date Received:	08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0859
Portland, OR 97239-4283	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4	**08-08-0859-1-C**	**08/05/08 11:15**	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08 07:23**	**080811L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	1.3	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	70-130			1,4-Bromofluorobenzene-TPPH	107	70-130		

B-6	**08-08-0859-2-C**	**08/04/08 13:39**	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08 07:53**	**080811L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	110000	5000	100		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	1.1	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	113	70-130			1,4-Bromofluorobenzene-TPPH	116	70-130		

B-7	**08-08-0859-3-C**	**08/04/08 16:10**	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08 08:23**	**080811L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	2000	50	1		Methyl-t-Butyl Ether (MTBE)	6.4	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	59	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	1.0	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	70-130			1,4-Bromofluorobenzene-TPPH	100	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants	Date Received:	08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0859
Portland, OR 97239-4283	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	**08-08-0859-4-D**	**08/05/08 00:00**	**Aqueous**	**GC/MS R**	**08/12/08**	**08/12/08 22:08**	**080812L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	70-130			1,4-Bromofluorobenzene-TPPH	102	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-715-747**	**N/A**	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08 02:22**	**080811L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	103	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-715-762**	**N/A**	**Aqueous**	**GC/MS R**	**08/12/08**	**08/12/08 14:03**	**080812L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	70-130			1,4-Bromofluorobenzene-TPPH	106	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Delta Environmental Consultants	Date Received:	08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0859
Portland, OR 97239-4283	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 630 High Street, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-715-779**	**N/A**	**Aqueous**	**GC/MS R**	**08/15/08**	**08/15/08 13:39**	**080815L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	101	70-130			1,4-Bromofluorobenzene-TPPH	100	70-130		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants	Date Received: 08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No: 08-08-0859
Portland, OR 97239-4283	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-08-0665-1	**Aqueous**	**GC/MS R**	**08/11/08**	**08/12/08**	**080811S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	86	88	70-130	2	0-30	
Ethylbenzene	111	112	70-130	1	0-30	
Toluene	99	99	70-130	0	0-30	
p/m-Xylene	111	112	70-130	1	0-30	
o-Xylene	111	111	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	126	127	70-130	1	0-30	
Tert-Butyl Alcohol (TBA)	117	122	70-130	4	0-30	
Diisopropyl Ether (DIPE)	111	111	70-130	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	116	118	70-130	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	107	106	70-130	1	0-30	
Ethanol	76	87	70-130	14	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants
4640 SW Macadam Ave; Suite 110
Portland, OR 97239-4283

Date Received: 08/09/08
Work Order No: 08-08-0859
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-08-0905-1	**Aqueous**	**GC/MS R**	**08/12/08**	**08/12/08**	**080812S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	82	83	70-130	1	0-30	
Ethylbenzene	107	109	70-130	1	0-30	
Toluene	96	97	70-130	1	0-30	
p/m-Xylene	107	109	70-130	1	0-30	
o-Xylene	107	109	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	121	122	70-130	1	0-30	
Tert-Butyl Alcohol (TBA)	112	114	70-130	2	0-30	
Diisopropyl Ether (DIPE)	103	103	70-130	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	114	116	70-130	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	99	101	70-130	2	0-30	
Ethanol	86	89	70-130	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Delta Environmental Consultants	Date Received: 08/09/08
4640 SW Macadam Ave; Suite 110	Work Order No: 08-08-0859
Portland, OR 97239-4283	Preparation: EPA 5030B
	Method: LUFT GC/MS / EPA 8260B

Project 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-08-1137-1	**Aqueous**	**GC/MS R**	**08/15/08**	**08/15/08**	**080815S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	91	70-130	2	0-30	
Ethylbenzene	106	109	70-130	3	0-30	
Toluene	98	100	70-130	3	0-30	
p/m-Xylene	106	109	70-130	3	0-30	
o-Xylene	106	110	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	110	110	70-130	0	0-30	
Tert-Butyl Alcohol (TBA)	100	111	70-130	10	0-30	
Diisopropyl Ether (DIPE)	87	90	70-130	3	0-30	
Ethyl-t-Butyl Ether (ETBE)	96	98	70-130	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	106	108	70-130	2	0-30	
Ethanol	86	90	70-130	4	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants	Date Received:	N/A
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0859
Portland, OR 97239-4283	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-577	Aqueous	GC 27	08/11/08	08/13/08	080812B14

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	105	110	75-117	5	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants		Date Received:	N/A
4640 SW Macadam Ave; Suite 110		Work Order No:	08-08-0859
Portland, OR 97239-4283		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project: 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-715-747	Aqueous	GC/MS R	08/11/08	08/12/08	080811L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
TPPH	107	104	65-135	53-147	3	0-30	
Benzene	88	89	70-130	60-140	1	0-30	
Ethylbenzene	106	107	70-130	60-140	1	0-30	
Toluene	101	100	70-130	60-140	0	0-30	
p/m-Xylene	106	107	70-130	60-140	1	0-30	
o-Xylene	106	106	70-130	60-140	1	0-30	
Methyl-t-Butyl Ether (MTBE)	122	122	70-130	60-140	0	0-30	
Tert-Butyl Alcohol (TBA)	111	112	70-130	60-140	1	0-30	
Diisopropyl Ether (DIPE)	109	109	70-130	60-140	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	118	116	70-130	60-140	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	102	103	70-130	60-140	0	0-30	
Ethanol	92	101	70-130	60-140	9	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants	Date Received:	N/A
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0859
Portland, OR 97239-4283	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B

Project: 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-715-762	Aqueous	GC/MS R	08/12/08	08/12/08	080812L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	101	100	65-135	53-147	1	0-30	
Benzene	86	86	70-130	60-140	0	0-30	
Ethylbenzene	103	105	70-130	60-140	2	0-30	
Toluene	96	100	70-130	60-140	4	0-30	
p/m-Xylene	103	105	70-130	60-140	2	0-30	
o-Xylene	102	104	70-130	60-140	2	0-30	
Methyl-t-Butyl Ether (MTBE)	113	118	70-130	60-140	5	0-30	
Tert-Butyl Alcohol (TBA)	101	112	70-130	60-140	11	0-30	
Diisopropyl Ether (DIPE)	105	105	70-130	60-140	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	113	110	70-130	60-140	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	99	101	70-130	60-140	2	0-30	
Ethanol	89	100	70-130	60-140	12	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Delta Environmental Consultants	Date Received:	N/A
4640 SW Macadam Ave; Suite 110	Work Order No:	08-08-0859
Portland, OR 97239-4283	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B

Project: 630 High Street, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-715-779	Aqueous	GC/MS R	08/15/08	08/15/08	080815L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	107	110	65-135	53-147	3	0-30	
Benzene	95	91	70-130	60-140	4	0-30	
Ethylbenzene	106	110	70-130	60-140	3	0-30	
Toluene	101	102	70-130	60-140	1	0-30	
p/m-Xylene	106	110	70-130	60-140	3	0-30	
o-Xylene	107	107	70-130	60-140	0	0-30	
Methyl-t-Butyl Ether (MTBE)	106	105	70-130	60-140	1	0-30	
Tert-Butyl Alcohol (TBA)	99	109	70-130	60-140	10	0-30	
Diisopropyl Ether (DIPE)	93	86	70-130	60-140	8	0-30	
Ethyl-t-Butyl Ether (ETBE)	99	93	70-130	60-140	7	0-30	
Tert-Amyl-Methyl Ether (TAME)	104	97	70-130	60-140	7	0-30	
Ethanol	89	91	70-130	60-140	2	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-08-0859

Qualifier	Definition
#	Analyte result was suppressed.
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
D	The analyte concentration was reported from analysis of the diluted sample.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
V	Relative percent difference out of control.
X	% Recovery and/or RPD out-of-range.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
☑ ENV. SERVICES | ☐ MOTIVA RETAIL | ☐ SHELL RETAIL
☐ MOTIVA SD&CM | ☐ CONSULTANT | ☐ LUBES
☐ SHELL PIPELINE | ☐ OTHER _____

Print Bill To Contact Name:

INCIDENT # (ENV SERVICES): 9 1 7 6 7 7 8 9 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: _____

PO #:

SAP #: 1 3 5 6 9 3

PAGE: _____ of _____

SAMPLING COMPANY: Delta Environmental Consultants

LOG CODE:

SITE ADDRESS: Street and City: 630 High St, Oakland

State: CA

GLOBAL ID NO.:

ADDRESS: 5910 Rice Creek Parkway, Suite 100 St. Paul MN 55126

EDF DELIVERABLE TO (Name, Company, Office Location):

PHONE NO.:

E-MAIL:

CONSULTANT PROJECT NO.:

PROJECT CONTACT (Hardcopy or PDF Report to): Gary Turgeon

SAMPLER NAME(S) (Print): Manisol Ortiz

LAB USE ONLY: 08-0869

TELEPHONE: 651-697-5159 | FAX: 651-639-9473 | E-MAIL: gturgeon@deltaenv.com

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

5 oxygenates are MTBE, ETBE, TBA, TAME, DIPE

☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☐ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH-G/BTEX/Shell Oxys and ethanol by EPA 8260	TPH-D by 8015M	Full list VOCs	Oil & Grease (1664)	CAM 17 Metals (6000/7000)	PNAs and creosote (8270C-sim)	1,2 DCA and EDB by EPA 260B	TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes
1	B-4	8/5/08	11:15	GW							✓	✓							
	~~B-5~~	~~8/5/08~~	~~11:25~~																
2	B-6	8/4/08	13:30	GW							✓	✓							
3	B-7	8/4/08	16:10	GW							✓	✓							
	Temperature																		
4	Trip Blank				X					4			✓						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	8/05/08		
8/05/08			
GSO	GSO		
GSO		08-09-08	8:45

05/2/06 Revision

TRK#: 105866924

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 08 - 0859

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: DELTA ENVIRONMENTAL DATE: 08-09-08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature (For Air & Filter only).

___.___ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

4.3 °C Temperature blank.
___.___ °C IR thermometer.
_____ Ambient temperature (For Air & Filter only).

Initial: TD

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: TD

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: TD

COMMENTS:

APPENDIX D

COPIES of WASTE DISPOSAL MANIFESTS

(as applicable and available)

THIS ATTACHMENT HAS BEEN LEFT BLANK INTENTIALLY. THE DOCUMENTS ASSOCIATED WITH THE DISPOSAL OF SOIL FOR THIS PHASE II ESA WERE NOT AVAILABLE AT THE TIME THE REPORT WAS WRITTEN.