

**RECEIVED**

2:30 pm, Feb 01, 2008

Alameda County  
Environmental Health

**Groundwater Monitoring Report for the  
Quarterly Reporting Period from  
October 1 through December 31, 2007  
Former Cox Cadillac Property  
230 Bay Place  
Oakland, California  
(Fuel Leak Case No. RO0000148)**

**January 31, 2008  
001-09171-17**

Prepared for  
Bond CC Oakland, LLC  
350 W. Hubbard Street, Suite 4560  
Chicago, Illinois 60610



January 31, 2008

001-09171-17

Ms. Donna Drogos  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

**Subject:** Groundwater Monitoring Report for the Quarterly Reporting Period from October 1 through December 31, 2007, Former Cox Cadillac Property, 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148)

Dear Ms. Drogos:

LFR Inc. (LFR) has prepared this quarterly groundwater monitoring report on behalf of Bond CC Oakland, LLC to summarize the activities conducted during the monitoring period from October 1 through December 31, 2007 at the Former Cox Cadillac Property, located at 230 Bay Place, Oakland, California ("the Site"; Fuel Leak Case No. RO0000148).

This report also describes the installation of the five groundwater monitoring wells installed at the Site following the completion of the excavation and off-site disposal of total petroleum hydrocarbon- (TPH-) affected soil from the Site. The locations of the wells and the construction details of the wells were discussed between representatives of LFR and Alameda County Environmental Health (ACEH) on August 27 and 28, 2007, and were approved by ACEH by an e-mail transmittal to LFR on August 28, 2007. Subsequently, the locations of wells LF-2 and LF-5 were modified slightly; the presence of subsurface objects at these locations necessitated their relocation. It should be noted that the locations were not moved more than approximately 20 feet from the proposed locations.

The periodic groundwater monitoring was performed in accordance with the Revised Corrective Action Plan (RCAP), dated June 4, 2004. The RCAP superseded the Corrective Action Plan originally submitted to ACEH on April 8, 2004. The purpose of the RCAP was to summarize the results of the remedial investigations and the interim remedial measures conducted to date at the Site and, based on the results of these site activities, to propose a corrective action for the remediation of soil and groundwater quality at the Site. ACEH subsequently approved the proposed interim remediation work plan, described in the RCAP, in a letter dated October 6, 2004.

We are planning to conduct the groundwater monitoring event for the monitoring period from January through March 2008 in late January or early February 2008. The report of this monitoring event will be submitted on or before April 30, 2008.



If you have any questions or comments, please contact me at (650) 469-7224 or Ron Goloubow at (510) 652-4500.

Sincerely,

A handwritten signature in cursive script that reads "Charles H. Pardini".

Charles H. Pardini, P.G.  
Principal Geologist  
Operations Manager-Los Altos

Enclosure

cc: Robert Bond - Bond Company Oakland, LLC  
Alan Lee - Bond Company Oakland, LLC  
Zachary Walton, Esq., - Paul, Hastings, Janofsky & Walker LLP



January 31, 2008

Mr. Donna Drogos  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Subject: Groundwater Monitoring Report for the Quarterly Reporting Period from October 1 through December 31, 2007, Former Cox Cadillac Property, 230 Bay Place, Oakland, California (Fuel Leak Case No. RO0000148)

Dear Ms. Drogos:

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or comments, please call me at (310) 395-4250 or Chuck Pardini of LFR Inc. at (650) 469-7224.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lawrence S. Bond', written in a cursive style.

Lawrence S. Bond  
Authorized Signatory

**CONTENTS**

CERTIFICATION .....	iii
1.0 INTRODUCTION .....	1
1.1 Purpose of the Report .....	1
1.2 Background.....	1
1.3 Excavation and Disposal of Soil .....	2
2.0 QUARTERLY GROUNDWATER MONITORING REPORT .....	2
2.1 Monitoring Well Installation and Well Development .....	3
2.2 Groundwater Elevation and Gradient .....	4
2.3 Groundwater Sampling .....	4
2.3.1 Analytical Results for Groundwater Samples.....	5
3.0 SCHEDULE .....	5
4.0 REFERENCES .....	6

**TABLES**

- 1 Groundwater Elevations
- 2 Results of Field Parameters in Groundwater Samples
- 3 Analytical Results for Volatile Organic Compounds in Groundwater Samples

**FIGURES**

- 1 Site Vicinity Map
- 2 Site Map and Shallow Groundwater Elevation Contour Map, October 8, 2007
- 3 Hydrocarbon Concentrations in Shallow Groundwater, October 2007

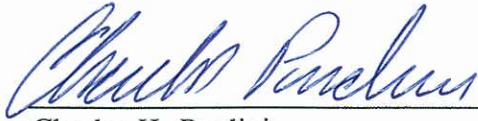
**APPENDICES**

- A Historical Analytical Data in Groundwater
- B Well Logs

- C Caldera Surveying Well Location Survey Report
- D Laboratory Analytical Reports

# CERTIFICATION

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by an LFR California Professional Geologist.



Charles H. Pardini  
Principal Geologist  
California Professional Geologist (6444)



1/31/08

Date

## 1.0 INTRODUCTION

### 1.1 Purpose of the Report

LFR Inc. (LFR) has prepared this quarterly groundwater monitoring report on behalf of Bond CC Oakland, LLC to summarize the activities conducted during the monitoring period from October 1 through December 31, 2007 (“the reporting quarter”) at the Former Cox Cadillac Property located at 230 Bay Place, Oakland, California (“the Site”; Fuel Leak Case No. RO0000148).

This report also documents the installation of the five groundwater monitoring wells installed at the Site following the completion of the excavation and off-site disposal of petroleum hydrocarbon-affected soil. The locations of the wells and the construction details of the wells were discussed between representatives of LFR and Alameda County Environmental Health (ACEH) on August 27 and 28, 2007 and approved by ACEH by an e-mail transmittal on August 28, 2007.

The periodic groundwater monitoring was performed in accordance with the Revised Corrective Action Plan (RCAP), dated June 4, 2004. The RCAP superseded the Corrective Action Plan originally submitted to ACEH on April 8, 2004. The purpose of the RCAP was to summarize the results of the remedial investigations and the interim remedial measures conducted to date at the Site and, based on the results of these site activities, to propose a corrective action for the remediation of soil and groundwater quality at the Site. ACEH subsequently approved the proposed interim remediation work plan, described in the RCAP, in a letter dated October 6, 2004.

### 1.2 Background

The Site was formerly occupied by Cox Cadillac and was used for automobile sales and service. A portion of the facility was formerly used as a sales showroom and offices, while the remainder was formerly used for automobile storage, bodywork, painting, and indoor service.

Currently, the Site has been redeveloped into a Whole Foods Market; construction activities were completed and the store opened in September 2007.

The site vicinity is primarily residential, commercial, and light-industrial facilities, mainly automobile dealerships and service stations. Single-family and multi-unit residential buildings occupy the property to the northeast and southeast of the Site. The property to the northwest of the Site is occupied by a church and associated school. An automobile dealership, auto repair shops, and a service station occupy the properties to the south and west of the Site across Bay Place. The surface topography in the site vicinity slopes gently to the west from Vernon Street to Bay Place.



Total petroleum hydrocarbons (TPH) as gasoline (TPHg); TPH as diesel (TPHd); TPH as motor oil (TPHmo); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and methyl tertiary-butyl ether (MTBE; collectively referred to as chemicals of potential concern [COPCs]) have been detected in soil and groundwater samples collected at the Site. A partial summary of the analytical results of groundwater samples previously collected at the Site is included as Appendix A.

The RCAP presented a description and evaluation of the corrective actions that were implemented to reduce the concentrations of the COPCs that have been detected in the soil and groundwater at the Site. The interim remedial actions described in the RCAP and the “Addendum to the Revised Corrective Action Plan, Former Cox Cadillac Property, 230 Bay Place, Oakland, California,” dated June 17, 2004, were approved by the Alameda County Health Services Agency (ACHSA) in a letter dated October 6, 2004. The proposed interim remedial action for the Site was to conduct an excavation to remove the source for the affected groundwater, and to conduct periodic groundwater monitoring and reporting to assess the effectiveness of the removal action.

### **1.3 Excavation and Disposal of Soil**

During the period September 16 to December 16, 2005, LFR supervised the excavation of affected soil in the vicinity of the former gasoline and waste oil underground storage tanks (USTs) that contained concentrations of target analytes above the remediation goals. A total of approximately 5,000 tons of TPH-affected soil was excavated from this area. The soil excavated from the TPH-affected area was temporarily stockpiled and subsequently disposed of as Class 2 waste material at Allied Waste’s Forward Landfill located in Manteca, California. In addition, approximately 250 tons of brick and concrete debris removed from the area of excavation were disposed of at Allied Waste’s Keller Canyon Landfill located in Pittsburg, California. In addition to the 5,000 tons of petroleum-affected soil removed from the Site, approximately 245,000 gallons of potentially petroleum-affected water were removed from the Site after the excavation filled with water.

A detailed description of the activities associated with this excavation work and the findings of the confirmation soil sampling are included in LFR’s report entitled “Results of the Implementation of the Revised Corrective Action Plan, Former Cox Cadillac Site, 230 Bay Place, Oakland, California,” dated August 3, 2007.

## **2.0 QUARTERLY GROUNDWATER MONITORING REPORT**

The following activities were performed during this reporting quarter:

- Five groundwater monitoring wells were installed between August 28 and September 20, 2007.
- The five monitoring wells were developed on October 5, 2007.

- The locations and elevations of the wells were surveyed on October 8, 2007.
- Groundwater samples were collected from the wells on October 8, 2007.

The data generated during the above activities were evaluated and are presented in this report.

## 2.1 Monitoring Well Installation and Well Development

LFR installed five new groundwater monitoring wells at locations illustrated on Figure 2. Before the wells were installed, permits were obtained and fees paid to the Alameda County Public Works Water Resources Department. Monitoring wells LF-1 through LF-5 were advanced by Gregg Drilling and V&W Drilling Inc. (licensed C-57 well drilling contractors) using hollow-stem auger (HSA) technology. Downhole drilling and sampling equipment was appropriately cleaned with high-pressure hot water (steam cleaned) before use at each new drilling location.

Soil samples were collected on a continuous basis, using a core barrel designed to operate with the HSA. Soil samples were described for lithology and recorded by an LFR geologist using the Unified Soil Classification System. Soil cuttings and soil samples were field screened for organic compounds using a photoionization detector (PID). The PID measurements and lithologic descriptions of the soil were recorded on a boring log at the time the borings were advanced, and copies of the logs are included in Appendix B. The new monitoring wells were completed at total depths of between approximately 12.5 and 24.0 feet below ground surface (bgs) with approximately 4-foot-long well screens (see logs in Appendix B for details).

Each monitoring well was constructed using 2-inch-diameter Schedule 40 polyvinyl chloride (PVC) well casing and machine-slotted Schedule 40 PVC well screens with a 0.010-inch slot size. Well screen filter packs consisting of 2/12 clean silica sand were placed in the borehole annular space around each well screen interval and extended to approximately 1 foot above the top of the well screen. Bentonite pellets were placed in the annular space above the filter packs to create an approximately 1- to 2-foot-thick bentonite seal between the filter pack and the cement grout used to fill the remaining annular space to near ground surface.

Each monitoring well casing is equipped with a locking well cap. The surface completions consist of at-grade, traffic-rated well boxes equipped with bolted access lids, installed in concrete pads.

Monitoring wells LF-1 through LF-5 were developed by LFR staff after installation. Wells were developed by purging water using a hand bailer until approximately five casing volumes had been removed and stable water-quality parameters (pH, temperature, specific conductance, and turbidity) had been recorded. During well development activities, LF-1 and LF-5 were purged dry; therefore, only two casing volumes were removed from each well.

LFR subcontracted with Caldera Surveying, a licensed land surveyor, to survey the location and the top of casing elevations of the new groundwater monitoring wells. The letter report from Caldera Surveying is included as Appendix C.

Waste soil from the drilling and groundwater removed during well development activities were placed in 55-gallon drums that were stored on site and subsequently transported by NRC Environmental Services to the Crosby and Overton recycling facility in Long Beach, California.

## 2.2 Groundwater Elevation and Gradient

Depth to groundwater was measured in the five new groundwater monitoring wells on October 8, 2007, before the wells were sampled for the first time. Depth to groundwater ranged from 2.56 to 5.74 feet bgs in six of the wells. The groundwater elevation in each well was calculated using the surveyed top of casing elevation; results are summarized in Table 1. Groundwater elevation data and contours are presented on Figure 2.

The groundwater elevation contours indicate that the groundwater flow direction beneath the Site was toward the south on October 8, 2007, with a horizontal groundwater gradient of approximately 0.023 foot per foot (ft/ft) between wells LF-1 and LF-3; approximately 0.024 ft/ft between wells LF2- and LF-3; and approximately 0.025 ft/ft between wells LF-5 and LF-4 (Figure 2). These gradients and flow direction are generally consistent with historical water level contour maps prepared for this Site previously by others. However, it appears that shallow groundwater flows more predominantly to the portion of the Site in which the large excavation was conducted. Additional groundwater elevation monitoring events will be conducted to assess whether the local groundwater flow direction varies seasonally.

## 2.3 Groundwater Sampling

Groundwater samples were collected from the five newly installed groundwater monitoring wells on October 8, 2007, using low-flow groundwater sampling techniques. The intake of the low-flow pump was placed in the middle of the screened interval and purged continuously until the basic groundwater parameters stabilized or until the well had been purged for approximately 30 minutes or two gallons. Field parameters were recorded on log sheets and are summarized in Table 2.

Groundwater samples were collected directly from the hose of the pump and conveyed into laboratory-supplied sample containers. The containers were labeled with the well identification number, the time and date of collection, the analysis requested, and the initials of the sampler. The samples were stored in an ice-chilled cooler and maintained under strict chain-of-custody protocols as they were submitted to the analytical laboratory.

The groundwater samples were submitted to Curtis & Tompkins, Ltd., a state-certified laboratory located in Berkeley, California, and analyzed for TPHg, TPHd, and TPHmo using Environmental Protection Agency (EPA) test method 8015, modified. The samples were also analyzed for BTEX and fuel oxygenates using EPA test method 8260B. Analytical results of groundwater samples are presented in Table 3, and copies of the laboratory data sheets and chain-of-custody documents are presented in Appendix D.

### **2.3.1 Analytical Results for Groundwater Samples**

Analytical results for the groundwater samples collected during this investigation are summarized in Table 3 and presented on Figure 3. Historical groundwater-quality results are presented in Appendix A, and the locations of the former wells on the Site are shown on Figures 2 and 3. As indicated on Figure 3 and Table 3, the removal actions that took place at the Site have improved groundwater quality in the vicinity of wells LF-1, LF-4, and LF-5. Concentrations of petroleum hydrocarbons detected in MW-1, before it was abandoned during the soil remediation activities, were significantly elevated (Appendix A). Notably, during this groundwater monitoring event, petroleum hydrocarbons were not present above analytical detection limits in the groundwater sample collected from nearby newly installed well LF-1. Well LF-1 was installed at the former waste oil UST location.

Groundwater quality in the vicinity of monitoring wells LF-2 and LF-3 indicates the presence of petroleum hydrocarbons at significant concentrations (Figure 3 and Table 3). Because these wells are located farther downgradient (south and southwest) from the former UST locations, the effect of the removal actions may not be observed as quickly as the effect observed closer to the former UST locations. Petroleum hydrocarbon concentrations in these wells will be monitored during future monitoring events.

## **3.0 SCHEDULE**

The next on-site groundwater monitoring event will take place in January or February 2008. The next quarterly groundwater monitoring report will be submitted to the ACHSA on April 30, 2008.

## 4.0 REFERENCES

LFR Inc. (LFR). 2007. Results of the Implementation of the Revised Corrective Action Plan, Former Cox Cadillac Property, 230 Bay Place, Oakland, California. August 3

LFR Levine-Fricke (LFR). 2004a. Revised Corrective Action Plan, Former Cox Cadillac Property, 230 Bay Place, Oakland, California. June 4.

———. 2004b. Addendum to the Revised Corrective Action Plan, Former Cox Cadillac Property, 230 Bay Place, Oakland, California. June 17.

**Table 1**  
**Groundwater Elevations**  
**Former Cox Cadillac Property**  
**230 Bay Place, Oakland, California**

Location ID	Date Collected	Top-of-Casing Elevation <sup>(1)</sup>	Depth to Groundwater <sup>(2)</sup>	Groundwater Elevation <sup>(1)</sup>
LF-1	10/8/2007	13.40	2.56	10.84
LF-2	10/8/2007	13.13	3.71	9.42
LF-3	10/8/2007	13.15	5.24	7.91
LF-4	10/8/2007	13.32	5.74	7.58
LF-5	10/8/2007	15.92	3.46	12.46

**Notes:**

<sup>(1)</sup> Top-of-casing and groundwater elevation in North America Vertical Datum 1988

<sup>(2)</sup> Depth to water measured in feet below top of casing

**Table 2**  
**Results of Field Parameters**  
**in Groundwater Samples**  
**Former Cox Cadillac Property**  
**230 Bay Place, Oakland, California**

Location ID	Date Collected	Volume Purged (gallons)	Temperature (Celsius)	Dissolved Oxygen (mg/l)	pH (units)	Conductivity (mS/cm)	Turbidity (NTU)
LF-1	10/8/2007	5.25	18.36	5.82	6.70	10.700	1.65
LF-2	10/8/2007	0.75	22.57	0.28	7.18	1.983	1.33
LF-3	10/8/2007	5.00	20.52	6.07	6.51	2.169	3.92
LF-4	10/8/2007	0.75	20.00	0.62	6.81	1.465	0.75
LF-5	10/8/2007	1.25	20.55	3.36	7.37	1.014	25.50

**Notes:**

Parameters measured using field instruments; data were collected by LFR Inc. in 2007.

NTU = nephelometric turbidity units

mS/cm = milliSiemens per centimeter

**Table 3**  
**Analytical Results for Volatile Organic Compounds**  
**in Groundwater Samples**  
**Former Cox Cadillac Property**  
**230 Bay Place, Oakland, California**  
*concentrations in micrograms per liter*

Location ID	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPHmo	TPHg	TPHd	MtBE
LF-1	10/8/2007	<0.50	<0.50	<0.50	<0.50	<300	<250	<50	<0.50
LF-2	10/8/2007	<2.5	<2.5	<2.5	<2.5	900	<250	1,900Y	280
LF-2-D	10/8/2007	<1.3	<1.3	<1.3	<1.3	1,100	<130	2,100Y	250
LF-3	10/8/2007	<50	<50	<50	<50	<300	<5,000	350Y	12,000
LF-4	10/8/2007	<1.3	<1.3	<1.3	<1.3	<300	<130	220Y	230
LF-5	10/8/2007	<0.50	<0.50	<0.50	<0.50	<300	<50	200Y	<0.50
<b>Screening Criteria</b>									
ESL		1.0	40	30	13	100	100	100	5.0

**Notes:**

Samples collected in October 2007 were analyzed by Curtis & Tompkins, Ltd., Laboratories Inc. using EPA Test Method 8260B and Method 8015B.

D = duplicate sample

TPHmo = total petroleum hydrocarbons as motor oil

TPHd = total petroleum hydrocarbons as diesel

TPHg = total petroleum hydrocarbons as gasoline

MtBE = methyl tertiary-butyl ether

Y = Sample exhibits chromatographic pattern that does not resemble standard.

<2.5 = less than laboratory analytical reporting limits

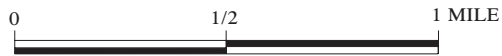
ESL denotes environmental screening criteria - these ESL screening criteria were established by the Regional Water Quality Control Board (RWQCB) to address environmental protection. The ESLs used in this are groundwater screening levels, where groundwater is a current potential as a drinking water resource. Under most circumstances, the presence of a chemical in soil or groundwater at concentrations below the corresponding ESL can be assumed to not pose a significant threat to human health. ESLs can be obtained from <http://www.swrcb.ca.gov/rwqcb2/ESL.htm>.





© 1999 Copyright Thomas Bros. Map ©

DESIGN001109171\SiteVicinity.CDR 091803

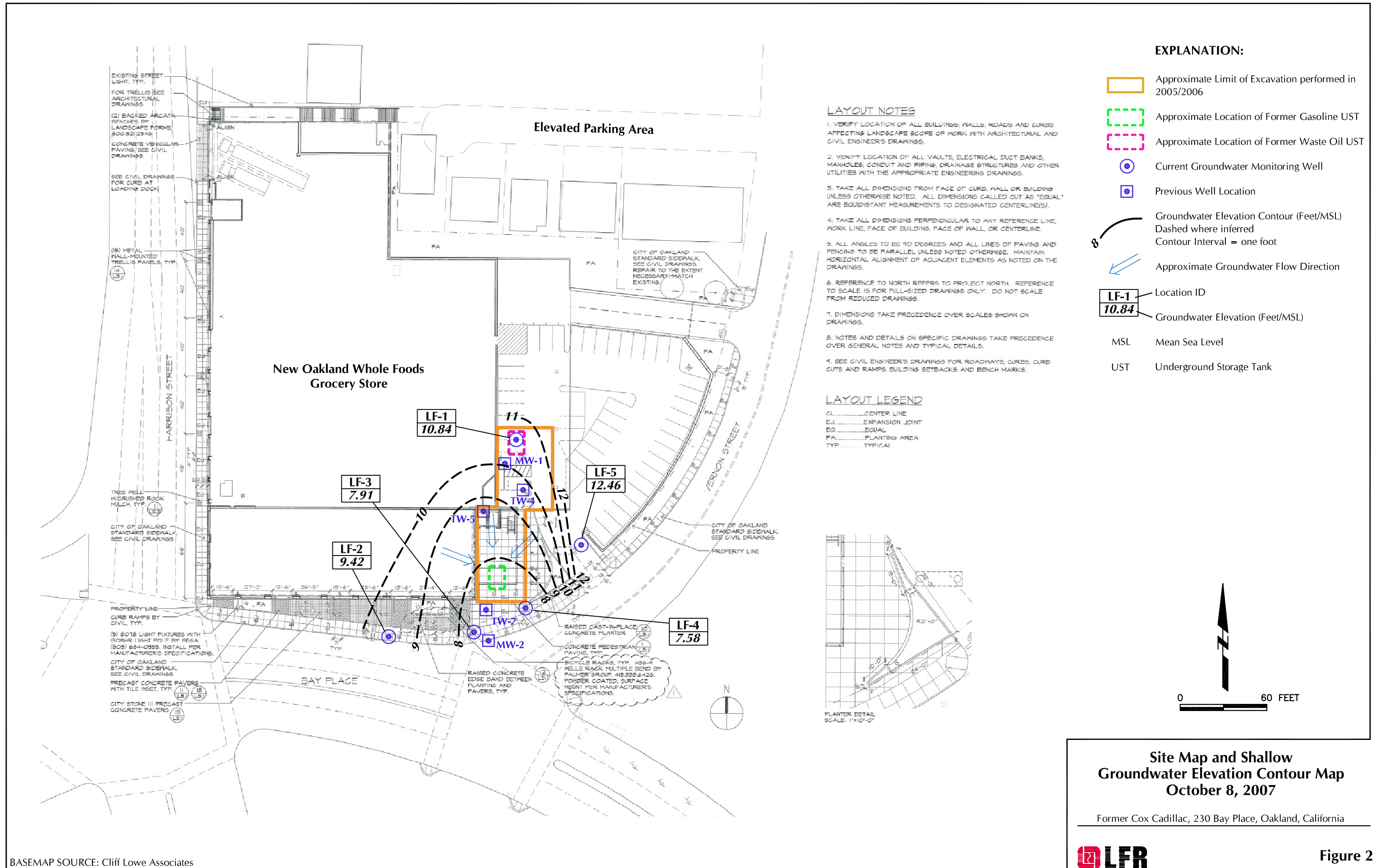


### Site Vicinity Map






Former Cox Cadillac, 230 Bay Place, Oakland, California



Figure 1



**EXPLANATION:**

-  Approximate Limit of Excavation performed in 2005/2006
-  Approximate Location of Former Gasoline UST
-  Approximate Location of Former Waste Oil UST
-  Groundwater Monitoring Well
-  UST Underground Storage Tank

**LAYOUT NOTES**

1. VERIFY LOCATION OF ALL BUILDINGS, WALLS, ROADS AND CURBS AFFECTING LANDSCAPE SCOPE OF WORK WITH ARCHITECTURAL AND CIVIL ENGINEER'S DRAWINGS.
2. VERIFY LOCATION OF ALL VAULTS, ELECTRICAL DUCT BANKS, MANHOLES, CONDUIT AND PIPING, DRAINAGE STRUCTURES AND OTHER UTILITIES WITH THE APPROPRIATE ENGINEERING DRAWINGS.
3. TAKE ALL DIMENSIONS FROM FACE OF CURB, WALL OR BUILDING UNLESS OTHERWISE NOTED. ALL DIMENSIONS CALLED OUT AS "EQUAL" ARE EQUIDISTANT MEASUREMENTS TO DESIGNATED CENTERLINE(S).
4. TAKE ALL DIMENSIONS PERPENDICULAR TO ANY REFERENCE LINE, WORK LINE, FACE OF BUILDING, FACE OF WALL, OR CENTERLINE.
5. ALL ANGLES TO BE 90 DEGREES AND ALL LINES OF PAVING AND FENCING TO BE PARALLEL UNLESS NOTED OTHERWISE. MAINTAIN HORIZONTAL ALIGNMENT OF ADJACENT ELEMENTS AS NOTED ON THE DRAWINGS.
6. REFERENCE TO NORTH REFERS TO PROJECT NORTH. REFERENCE TO SCALE IS FOR FULL-SIZED DRAWINGS ONLY. DO NOT SCALE FROM REDUCED DRAWINGS.
7. DIMENSIONS TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
8. NOTES AND DETAILS ON SPECIFIC DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
9. SEE CIVIL ENGINEER'S DRAWINGS FOR ROADWAYS, CURBS, CURB CUTS AND RAMPS, BUILDING SETBACKS AND BENCH MARKS.

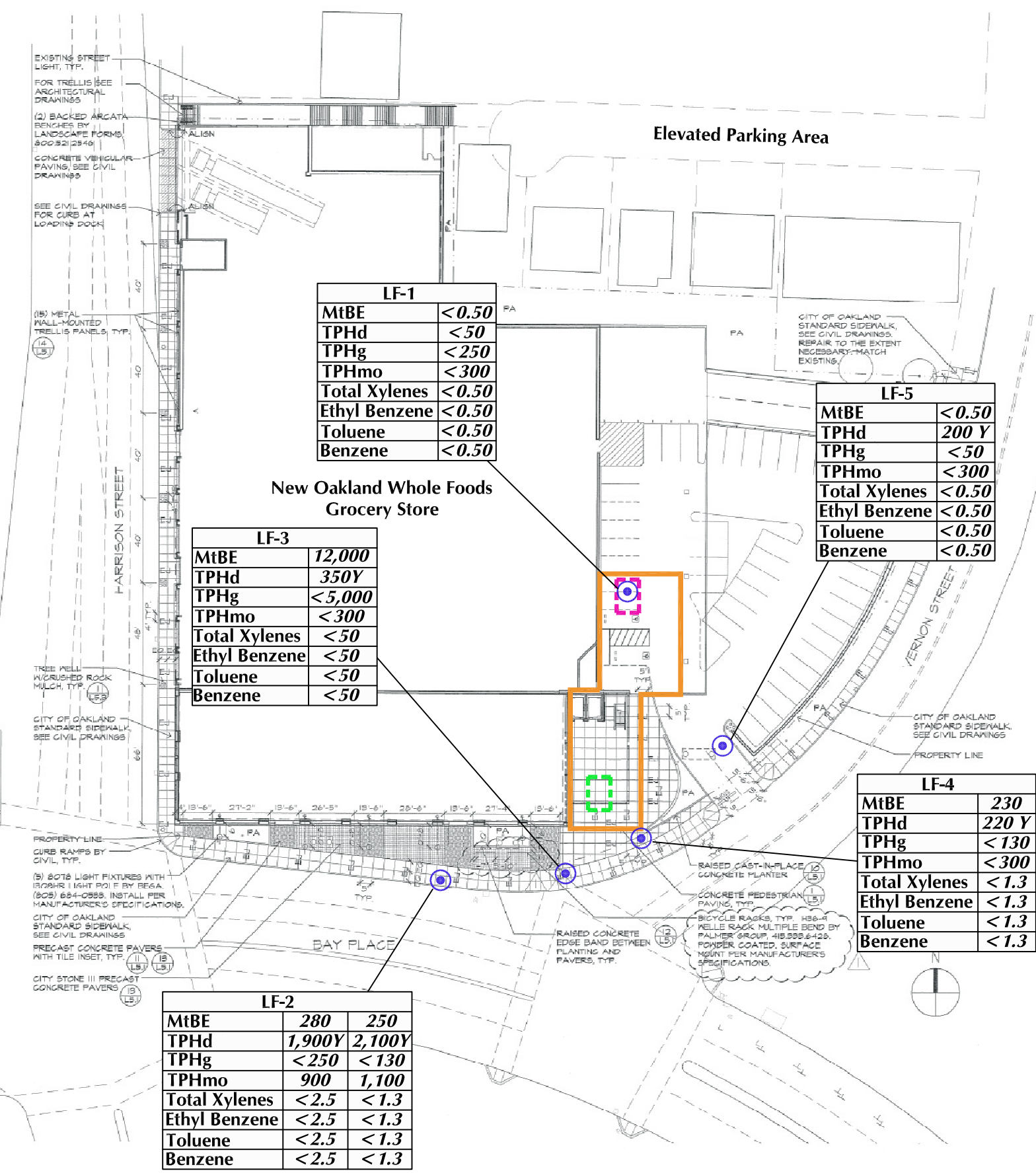
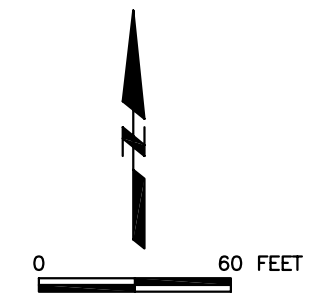
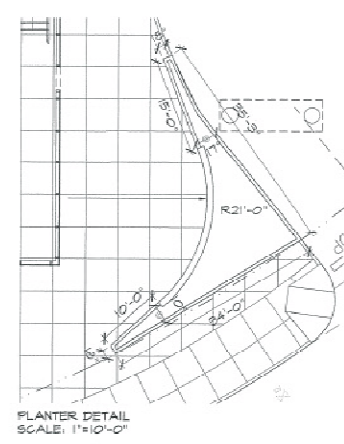
**LAYOUT LEGEND**

- CL.....CENTER LINE
- EJ.....EXPANSION JOINT
- EQ.....EQUAL
- PA.....PLANTING AREA
- TYP.....TYPICAL

LF-2		
MtBE	280	250
TPHd	1,900Y	2,100Y
TPHg	<250	<130
TPHmo	900	1,100
Total Xylenes	<2.5	<1.3
Ethyl Benzene	<2.5	<1.3
Toluene	<2.5	<1.3
Benzene	<2.5	<1.3

Duplicate Sample Chemical Concentration in micrograms per liter (µg/L)

- MtBE** methyl tertiary-butyl ether
- TPHd** Total petroleum hydrocarbons as diesel
- TPHg** Total petroleum hydrocarbons as gas
- TPHmo** Total petroleum hydrocarbons as motor oil
- Y** Sample exhibits chromatographic pattern which does not resemble standard



LF-1	
MtBE	<0.50
TPHd	<50
TPHg	<250
TPHmo	<300
Total Xylenes	<0.50
Ethyl Benzene	<0.50
Toluene	<0.50
Benzene	<0.50

LF-5	
MtBE	<0.50
TPHd	200 Y
TPHg	<50
TPHmo	<300
Total Xylenes	<0.50
Ethyl Benzene	<0.50
Toluene	<0.50
Benzene	<0.50

LF-3	
MtBE	12,000
TPHd	350Y
TPHg	<5,000
TPHmo	<300
Total Xylenes	<50
Ethyl Benzene	<50
Toluene	<50
Benzene	<50

LF-4	
MtBE	230
TPHd	220 Y
TPHg	<130
TPHmo	<300
Total Xylenes	<1.3
Ethyl Benzene	<1.3
Toluene	<1.3
Benzene	<1.3

LF-2		
MtBE	280	250
TPHd	1,900Y	2,100Y
TPHg	<250	<130
TPHmo	900	1,100
Total Xylenes	<2.5	<1.3
Ethyl Benzene	<2.5	<1.3
Toluene	<2.5	<1.3
Benzene	<2.5	<1.3

**Hydrocarbon Concentrations in Shallow Groundwater October 2007**

Former Cox Cadillac, 230 Bay Place, Oakland, California



Figure 3

## **APPENDIX A**

### **Historical Analytical Data in Groundwater**

**Table 2**  
**Groundwater Analytical Data**  
**Former Cox Cadillac**  
**230 Bay Place**  
**Oakland, California**

Concentration (µg/L)

Well Number	Sample Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	MTBE	1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	1,1-DCA	Dissolved	
															Lead	Ethanol
MW-1	03/03/93	8,500	7,500	4,400	15,000	110,000	--	350	--	--	--	--	--	--	--	--
MW-1	10/13/93	6,100	4,800	4,000	11,000	74,000	--	350	80	--	--	--	--	--	--	--
MW-1	12/22/94	18,000	11,000	2,800	16,000	110,000	--	130	--	--	--	--	--	<1.0	--	--
MW-1	03/24/95	3,700	1,800	2,200	4,700	25,000	--	130	--	--	--	--	--	<5.0	23	--
MW-1	06/29/95	5,300	2,100	3,200	7,500	28,000	--	110	--	--	--	--	--	<2.0	14	--
MW-1	09/29/95	5,600	2,200	3,800	7,400	43,000	--	98	--	--	--	--	--	<1.0	16	--
MW-1	02/23/96	4,800	3,000	3,400	7,700	46,000	--	96	--	--	--	--	--	<1.0	24	--
MW-1	01/12/99	2,600	970	2,900	5,700	39,000	800	--	--	--	--	--	--	--	--	--
MW-1	04/13/99	1,500	500	<50	4,000	29,000	520	--	--	--	--	--	--	--	--	--
MW-1	07/07/99	1,900	870	1,600	3,900	31,000	<250	--	--	--	--	--	--	--	--	--
MW-1	10/06/99	2,100	910	1,800	4,400	32,000	<250	a	--	--	--	--	--	--	--	--
MW-1	01/11/00	52	3.9	63	12	2,400	<5.0	a	--	--	--	--	--	--	--	--
MW-1	04/06/01	4,300	3,200	2,600	7,300	32,000	<10	a	--	--	--	--	--	--	--	--
MW-1	07/25/01	2,300	1,300	2,500	6,200	24,000	<25	a	--	--	--	--	--	--	--	--
MW-1	11/20/01	2,100	890	2,500	3,600	33,000	<100	a	--	--	--	--	--	--	--	--
MW-1	01/23/02	2,400	1,400	2,500	5,900	28,000	350	--	--	--	--	--	--	--	--	--
MW-1	04/26/02	3,200	2,400	2,700	6,300	39,000	2,800	--	--	--	--	--	--	--	--	--
MW-1	07/25/02	2,300	1,300	2,500	4,700	26,000	<500	--	--	--	--	--	--	--	--	--
MW-1	10/22/02	2,800	1,300	4,300	8,600	42,000	<10	<50	<50	<50	<100	<50	<50	--	--	--
MW-1	01/27/03	1,600	660	2,100	3,100	20,000	<20	<100	<100	<100	<200	<100	<100	--	--	--
MW-1	10/22/03	b 2,000	800	1,600	2,800	22,000	<20	<20	<20	<20	<200	<40	<20	--	--	<1,000
MW-1	01/30/04	2,700	1,400	2,900	5,800	32,000	<25	<25	<25	<25	<250	<50	<25	--	--	<1,300
MW-2	01/12/99	1.5	<0.50	<0.50	<0.50	<50	2,900	--	--	--	--	--	--	--	--	--
MW-2	04/13/99	0.76	<0.50	<0.50	<0.50	<50	3,800	--	--	--	--	--	--	--	--	--
MW-2	07/07/99	<25	<25	<25	<25	<2,500	7,000	a	--	--	--	--	--	--	--	--
MW-2	10/06/99	73	<25	<25	<25	2,800	300	a	--	--	--	--	--	--	--	--
MW-2	01/11/00	890	<100	<100	<100	11,000	8,400	a	--	--	--	--	--	--	--	--
MW-2	04/06/01	210	<25	<25	<25	2,800	3,800	a	--	--	--	--	--	--	--	--
MW-2	07/25/01	250	<12.5	<12.5	<12.5	3,400	4,200	a	--	--	--	--	--	--	--	--
MW-2	11/20/01	870	<100	<100	200	12,000	8,700	--	--	--	--	--	--	--	--	--
MW-2	01/23/02	100	<25	<25	<25	3,900	3,300	--	--	--	--	--	--	--	--	--
MW-2	04/26/02	13	<0.50	<0.50	<1.5	90	6,900	--	--	--	--	--	--	--	--	--
MW-2	07/25/02	<50	<50	<50	<100	<5,000	6,600	--	--	--	--	--	--	--	--	--
MW-2	10/22/02	<5.0	<5.0	<5.0	<10	7,800	7,000	<250	<250	<250	<500	<250	<250	--	--	--
MW-2	01/27/03	90	100	60	78	6,100	6,400	<250	<250	<250	<500	<250	<250	--	--	--
MW-2	10/22/03	b <10	<10	<10	<20	2,000	g 3,000	<10	<10	<10	<100	<20	<10	--	--	<500
MW-2	01/30/04	<25	<25	<25	<50	<2,500	2,100	<25	<25	<25	<250	<50	<25	--	--	<1,300

**Table 2  
Groundwater Analytical Data  
Former Cox Cadillac  
230 Bay Place  
Oakland, California**

Concentration (µg/L)

Well Number	Sample Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	MTBE	1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	L,1-DCA	Dissolved Lead    Ethanol	
TW-1	10/13/93	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<0.50	--	--	--	--	--	--	--
TW-2	10/13/93	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<0.50	--	--	--	--	--	--	--
TW-2	01/12/99	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	04/13/99	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	07/07/99	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	10/06/99	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	01/11/00	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	04/06/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	07/25/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	11/20/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	01/23/02	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	04/26/02	<0.50	<0.50	<0.50	<1.5	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	07/25/02	<0.50	<0.50	<0.50	<1.0	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-2	10/22/02	<0.50	<0.50	<0.50	<1.0	<50	<1.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	--	--	--
TW-2	01/27/03	<0.50	<0.50	<0.50	<1.0	<50	<1.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	--	--	--
TW-2	10/22/03	b <0.50	<0.50	<0.50	<1.0	53	g <0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-2	01/30/04	<0.50	<0.50	<0.50	<1.0	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-3	10/13/93	<0.50	<0.50	<0.50	<0.50	<50	--	<0.50	<0.50	--	--	--	--	--	--	--
TW-4	10/13/93	65	18	49	33	2,000	--	<5.0	<5.0	--	--	--	--	--	--	--
TW-4	10/03/03	b <0.50	0.97	0.63	1.4	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-5	10/13/93	20,000	25,000	3,800	23,000	140,000	--	<100	<100	--	--	--	--	--	--	--
TW-5	10/03/03	b 4,400	1,700	820	2,900	21,000	<100	<100	<100	<100	<100	<200	<100	--	--	<5,000
TW-6	10/14/93	3,800	1,600	110	540	4,100	--	<1.0	<1.0	--	--	--	--	--	--	--
TW-6	12/22/94	5,400	2,700	3,100	6,800	24,000	--	<1.0	--	--	--	--	--	<1.0	--	--
TW-6	03/24/95	4,900	530	270	380	10,000	--	<2.0	--	--	--	--	--	<2.0	<3.0	--
TW-6	06/29/95	12,000	6,600	1,000	3,000	28,000	--	<1.0	--	--	--	--	--	<1.0	4.2	--
TW-6	09/29/95	19,000	5,200	1,500	4,000	47,000	--	<1.0	--	--	--	--	--	<1.0	3.3	--
TW-6	02/23/96	13,000	5,200	1,100	2,770	25,000	--	<1.0	--	--	--	--	--	<1.0	5.2	--
TW-6	01/12/99	9,900	4,100	1,000	4,000	29,000	210	--	--	--	--	--	--	--	--	--
TW-6	04/13/99	0.70	<0.50	<0.50	0.62	<50	22	--	--	--	--	--	--	--	--	--
TW-6	07/07/99	13	<0.50	<0.50	2.2	55	8.1	a --	--	--	--	--	--	--	--	--
TW-6	10/06/99	0.59	<0.50	<0.50	<0.50	<50	<5	--	--	--	--	--	--	--	--	--
TW-6	01/11/00	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-6	04/06/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--

**Table 2**  
**Groundwater Analytical Data**  
**Former Cox Cadillac**  
**230 Bay Place**  
**Oakland, California**

Concentration (µg/L)

Well Number	Sample Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	MTBE	1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	1,1-DCA	Dissolved	
															Lead	Ethanol
TW-6	07/25/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-6	11/20/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-6	01/23/02	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-6	04/26/02	<0.50	<0.50	<0.50	<1.5	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-6	07/25/02	0.60	<0.50	<0.50	<1	<50	<5.0	--	--	--	--	--	--	--	--	--
TW-6	10/22/02	<0.50	<0.50	<0.50	<1.0	<50	<1.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	--	--	--
TW-6	01/27/03	<0.50	<0.50	<0.50	<1.0	<50	<1.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0	--	--	--
TW-6	10/22/03	b	<0.50	<0.50	<1.0	<50	<5.0	<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-6	01/30/04	<0.50	<0.50	<0.50	<1.0	<50	<5.0	<0.50	<0.50	<0.50	<5.0	<1.0	<0.50	--	--	<25
TW-7	10/14/93	48,000	15,000	3,400	16,000	100,000	--	<50	<50	--	--	--	--	--	--	--
TW-7	12/22/94	49,000	33,000	7,300	28,000	210,000	--	<1.0	--	--	--	--	--	<1.0	--	--
TW-7	03/24/95	13,000	7,000	1,500	5,600	56,000	--	<2.0	--	--	--	--	--	<2.0	<3.0	--
TW-7	06/29/95	39,000	8,100	3,000	8,300	100,000	--	<1.0	--	--	--	--	--	<1.0	3.5	--
TW-7	09/29/95	32,000	8,700	2,900	8,600	74,000	--	<1.0	--	--	--	--	--	<1.0	3.5	--
TW-7	02/23/96	22,000	8,400	2,700	6,900	50,000	--	<5.0	--	--	--	--	--	<5.0	3.8	--
TW-7	01/12/99	7,300	670	2,700	960	29,000	<100	--	--	--	--	--	--	--	--	--
TW-7	04/13/99	4,500	1,800	180	8,200	54,000	1,200	--	--	--	--	--	--	--	--	--
TW-7	07/07/99	8,000	4,500	1,200	3,500	42,000	2,200	a	--	--	--	--	--	--	--	--
TW-7	10/06/99	9,700	1,600	1,600	2,100	29,000	580	a	--	--	--	--	--	--	--	--
TW-7	01/11/00	8,500	7,100	1,600	6,700	52,000	2,600	a	--	--	--	--	--	--	--	--
TW-7	04/06/01	4,800	1,800	2,200	3,400	22,000	690	a	--	--	--	--	--	--	--	--
TW-7	07/25/01	5,100	660	1,400	2,100	20,000	1,100	a	--	--	--	--	--	--	--	--
TW-7	11/20/01	6,400	1,100	1,000	2,400	26,000	1,600	--	--	--	--	--	--	--	--	--
TW-7	01/23/02	5,100	510	2,200	3,900	25,000	1,200	--	--	--	--	--	--	--	--	--
TW-7	04/26/02	4,400	1,300	2,900	2,370	29,000	1,600	--	--	--	--	--	--	--	--	--
TW-7	07/25/02	4,900	470	1,600	1,700	21,000	1,900	--	--	--	--	--	--	--	--	--
TW-7	10/22/02	6,700	410	1,100	1,500	31,000	1,700	a	<100	<100	<100	<200	<100	<100	--	--
TW-7	01/27/03	2,700	710	1,900	1,100	17,000	680	--	<100	<100	<100	<200	<100	<100	--	--
TW-7	10/22/03	b	2,900	130	310	13,000	660	--	<13	<13	<13	<130	<25	<13	--	<630
TW-7	01/30/04	2,500	520	1,900	550	16,000	300	--	<25	<25	<25	<250	<50	<25	--	<1,300

**Table 2**  
**Groundwater Analytical Data**  
**Former Cox Cadillac**  
**230 Bay Place**  
**Oakland, California**

Concentration (µg/L)

Well Number	Sample Date	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	MTBE	1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	1,1-DCA	Dissolved	
															Lead	Ethanol

**Notes:**

TPHg - Total Petroleum Hydrocarbons as gasoline

MTBE - Methyl tertiary butyl ether

DCA - Dichloroethane

EDB - Ethylene dibromide

TAME - Tertiary amyl methyl ether

TBA - Tertiary butyl alcohol

DIPE - Di-isopropyl ether

ETBE - Ethyl tertiary butyl ether

µg/L = Micrograms per liter.

< = Not detected at or above indicated laboratory reporting limit.

- = Not Analyzed

a = MTBE Confirmation by EPA Method 8260B.

b = Samples were analyzed by EPA Method 8260B.

g = hydrocarbon reported in gasoline range does not match our gasoline standard.



## **APPENDIX B**

### **Well Logs**

PROJECT NAME Former Cox Cadillac

CLIENT Bond Companies

**WELL NUMBER LF-1**

PAGE 1 OF 2

PROJECT LOCATION 230 Bay Place, Oakland, CA

DRILLING CONTRACTOR Gregg Drilling

PROJECT NUMBER 001-09171-17

DRILLING METHOD Hollow Stem Auger

LOCATION Oakland Whole Foods

STAMP (IF APPLICABLE) AND/OR NOTES

PID EQUIPMENT Mini Rae 2000

GROUND ELEVATION 13.76 ft HOLE DIAMETER 8 inches

TOP OF CASING ELEVATION 13.40 ft HOLE DEPTH 24.0 ft

▽ FIRST ENCOUNTERED WATER 20.0 ft

▼ STABILIZED WATER 2.56 ft (October 2007)

LOGGED BY Larry Lapuyade DATE 8/30/07

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	ELEVATIONS (feet)	PID (ppm)	WELL DIAGRAM	DEPTH (feet)
					0.5	Asphalt. Hand auger to 5 feet.	13.3			
5						CLAYEY SAND (SC), very dark grayish brown (2.5Y-3/2), moist, soft to firm, low to medium plasticity. Backfill (from soil excavation).				5
			SC					0.0	8-inch dia. Borehole	
								0.0		
10								0.0		10
								0.0	Cement Grout	
								0.0		
15					15.0	SILTY CLAY (CL), brown (10YR-4/3), moist, hard, medium plasticity.	-1.2	1.3	2-inch dia. SCH40 PVC Blank Casing	15
			CL					0.3		
								0.3		
20					20.0		-6.2	1.3	Bentonite	20
								0.0		

**COMMENTS**

(Continued Next Page)


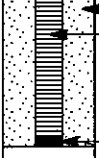



APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_



BORING+WELL 2007 001-09171-17.GPJ LFR SEPT 2006.GDT 1/31/08

PROJECT NAME Former Cox Cadillac  
 CLIENT Bond Companies

**WELL NUMBER LF-1**

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	ELEVATIONS (feet)	PID (ppm)	WELL DIAGRAM	DEPTH (feet)
			SC		21.8	CLAYEY SAND (SC), olive brown (2.5Y-4/3), wet, fine to coarse grained sand, poorly sorted. Depth to water in sediments at approximately 20 feet during drilling.	-8.0	0.0	 <p>#2/12 Sand            2-in. dia. SCH40 PVC Slotted Well Screen (0.010 inch)            End Cap</p>	
			CL		22.3		SILTY CLAY (CL) as above.			-8.5
			SC		23.0	CLAYEY SAND (SC) as above.	-9.2	0.0		
			CL		24.0	SILTY CLAY (CL) as above.	-10.2			
						Bottom of boring at approximately 23.25 feet bgs. Bottom of sample at approximately 24 feet. Bottom of well at approximately 23.25 feet bgs.				

**COMMENTS**

APPROVED BY:  DATE: 1/30/08



BORING+WELL\_2007\_001-09171-17.GPJ LFR SEPT 2006.GDT 1/31/08

PROJECT NAME Former Cox Cadillac  
 CLIENT Bond Companies

**WELL NUMBER LF-2**

PROJECT LOCATION 230 Bay Place, Oakland, CA

DRILLING CONTRACTOR VW

PROJECT NUMBER 001-09171-17

DRILLING METHOD Hollow Stem Auger

LOCATION Oakland Whole Foods

STAMP (IF APPLICABLE) AND/OR NOTES

PID EQUIPMENT Mini Rae 2000

GROUND ELEVATION 13.41 ft HOLE DIAMETER 8 inches

TOP OF CASING ELEVATION 13.13 ft HOLE DEPTH 16.5 ft

▽ FIRST ENCOUNTERED WATER 9.5 ft

▽ STABILIZED WATER 3.7 ft (October 2007)

LOGGED BY Michael Sullivan DATE 9/20/07

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	ELEVATIONS (feet)	PID (ppm)	WELL DIAGRAM	DEPTH (feet)
			SM			Brick fill material. SILTY SAND (SM), reddish brown (2.5R-4/3), moist, fine to coarse grained subangular sand, soft, nonplastic silt, brick fragments (up to 3" diameter).				
5			CL		4.0	SANDY CLAY (CL), very dark greenish gray (5GY-3/1), moist, soft, plastic, fine grained sand, trace wood, odor.	9.4	1.2		5
			CL					25.2		
10			SM		9.5	SAND (SM) with minor clay, very dark greenish gray (5GY-3/1), moist to wet, fine to medium grained.	3.9	1.1		10
			SM		15.0					
		8 8 12	CL		16.0	SANDY CLAY (CL) as above, trace wood.	-1.6	0.7		15
			SC		16.5	CLAYEY SAND (SC).	-2.6 -3.1	0.3		
						Bottom of boring at approximately 16 feet bgs. Bottom of sample at approximately 16.5 feet bgs. Bottom of well at approximately 14 feet bgs.				

**COMMENTS**

APPROVED BY: *Michael Sullivan* DATE: 1/30/08



BORING+WELL 2007 001-09171-17.GPJ LFR SEPT. 2006.GDT 1/31/08

PROJECT NAME Former Cox Cadillac  
 CLIENT Bond Companies

**WELL NUMBER LF-3**

PROJECT LOCATION 230 Bay Place, Oakland, CA

DRILLING CONTRACTOR Gregg Drilling

PROJECT NUMBER 001-09171-17

DRILLING METHOD Hollow Stem Auger

LOCATION Oakland Whole Foods

STAMP (IF APPLICABLE) AND/OR NOTES

PID EQUIPMENT Mini Rae 2000

GROUND ELEVATION 13.58 ft HOLE DIAMETER 8 inches

TOP OF CASING ELEVATION 13.15 ft HOLE DEPTH 18.0 ft

▽ FIRST ENCOUNTERED WATER 10.0 ft

▽ STABILIZED WATER 5.2 ft (October 2007)

LOGGED BY Lee McIlvaine DATE 9/15/07

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	ELEVATIONS (feet)	PID (ppm)	WELL DIAGRAM	DEPTH (feet)
			GM		2.5	Fill, sand, silt, gravel (GM), concrete, brick. Hand auger to 5 feet.	11.1			
5			CL		5.2	SILTY CLAY (CL), olive gray, moist, stiff, approximately 80% fines, 10% sand, 10% gravel. -as above.	0.3			5
			ML		8.0	-olive gray to light olive brown, approximately 90% fines, 10% sand.	5.6			
10			ML		9.5	SILT (ML), light olive brown, moist, stiff, trace sand increasing with depth, approximately 75% fines, 15% sand, 10% gravel.	4.1			10
			ML		11.0	SANDY SILT (ML), light olive brown, moist, stiff, sand content increasing with depth.	2.6			
			SP		13.0	GRAVELLY SAND (SP), light olive brown, wet, loose, approximately 75% sand, 20% gravel, 5% fines. -gravel decreasing with depth.	0.6			
15			SP		16.0	SAND (SP), light olive brown, wet, loose to medium dense, approximately 80% fine to coarse grained sand, 15% gravel, 5% fines. -as above.	0.5			15
			ML		16.0	SILT (ML), light olive brown, wet, dense, approximately 90% fines, 10% sand.	-2.4			
			ML		18.0		-4.4			
						Bottom of boring at approximately 18 feet bgs. Bottom of well at approximately 16 feet bgs.				

**COMMENTS**

APPROVED BY: DATE: 1/30/08



BORING+WELL\_2007\_001-09171-17.GPJ LFR SEPT 2006.GDT 1/31/08

PROJECT NAME Former Cox Cadillac

**WELL NUMBER LF-4**

CLIENT Bond Companies

PAGE 1 OF 1

PROJECT LOCATION 230 Bay Place, Oakland, CA

DRILLING CONTRACTOR Gregg Drilling

PROJECT NUMBER 001-09171-17

DRILLING METHOD Hollow Stem Auger

LOCATION Oakland Whole Foods

STAMP (IF APPLICABLE) AND/OR NOTES

PID EQUIPMENT Mini Rae 2000

GROUND ELEVATION 13.32 ft HOLE DIAMETER 8 inches

TOP OF CASING ELEVATION 13.90 ft HOLE DEPTH 20.0 ft

▽ FIRST ENCOUNTERED WATER 16.5 ft

▼ STABILIZED WATER 5.7 ft (October 2007)

LOGGED BY Michael Sullivan DATE 8/28/07

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	ELEVATIONS (feet)	PID (ppm)	WELL DIAGRAM	DEPTH (feet)
			SP		1.0	Concrete. Hand auger to 5 feet.	12.3	0.0		
5			SM			GRAVELLY SAND (SP), very dark grayish brown (10YR-3/2), damp, soft, approximately 75% fine to coarse grained sand, 25% subangular to rounded gravel (0.2 to 1 inch diameter). SILTY SAND (SM), yellowish brown (10YR-5/6), damp, approximately 65% subrounded fine grained sand, 35% soft nonplastic silt.	0.0	5		
10			SP		9.5	-some green staining at 9 feet.	3.8	517 392		10
15			SP			GRAVELLY SAND (SP), wet, predominately fine to coarse grained sand, trace amounts of subrounded gravels (approximately 0.2 to 0.5 inch diameter), fines with depth to poorly sorted sand with trace gravels, strong odor.	0.0			15
			CL		14.8	SILTY CLAY (CL), yellowish brown with some green staining, damp, stiff, low plasticity.	-1.5	5.6		
			SP		16.5	GRAVELLY SAND (SP), yellowish brown, wet, rounded gravel (approximately 0.2 to 0.5 inch diameter).	-3.2	0.0		
		7	SP		17.9			0.0		
		17	SP		18.0			0.0		
		11	CL			CLAY (CL), moist, stiff, low plasticity, no odor.		0.0		
20		11 17	CL		20.0		-6.7	0.0		20

**COMMENTS**

20 ft: Bottom of boring at approximately 20 feet bgs.  
Bottom of well at approximately 15.5 feet bgs.

APPROVED BY: *Michael Sullivan* DATE: 1/31/08



BORING+WELL\_2007\_001-09171-17.GPJ LFR SEPT 2006.GDT 1/31/08

PROJECT NAME Former Cox Cadillac  
 CLIENT Bond Companies

**WELL NUMBER LF-5**

PAGE 1 OF 1

PROJECT LOCATION 230 Bay Place, Oakland, CA

DRILLING CONTRACTOR Gregg Drilling

PROJECT NUMBER 001-09171-17

DRILLING METHOD Hollow Stem Auger

LOCATION Oakland Whole Foods

STAMP (IF APPLICABLE) AND/OR NOTES

PID EQUIPMENT Mini Rae 2000

GROUND ELEVATION 16.13 ft HOLE DIAMETER 8 inches

TOP OF CASING ELEVATION 15.92 ft HOLE DEPTH 13.0 ft

▽ FIRST ENCOUNTERED WATER 10.0 ft

▽ STABILIZED WATER 3.5 ft (October 2007)

LOGGED BY Michael Sullivan DATE 8/29/07

DEPTH (feet)	SAMPLE TYPE NUMBER	SAMPLE RECOVERY	BLOW COUNTS (per 6 inches)	U.S.C.S.	GRAPHIC LOG	DEPTHS (feet)	LITHOLOGIC DESCRIPTION	ELEVATIONS (feet)	PID (ppm)	WELL DIAGRAM	DEPTH (feet)
				SP		3.0	Asphalt. Hand auger to 5 feet. GRAVELLY SAND (SP), very dark grayish brown (10YR-3/2), moist, approximately 75% fine to medium grained sand, poorly sorted, 25% subrounded to subangular gravels, fines with depth.	13.1	0.0		
5				SM		5.5	SAND WITH SILT (SM), moist, soft, approximately 85% fine to coarse grained sand, poorly sorted, coarsens with depth to 15% rounded to subrounded 0.1 to 0.5 inch diameter gravels, 15% nonplastic silt, no odor.	10.6	0.3		5
			9 9 12	SP		7.5	SAND WITH GRAVEL (SP), dark greenish gray (10GY-4/1), moist, strong odor.	8.6	102		
			8 4 7	SM		8.0	SILTY SAND (SM), fine grained sand.	8.1			
10			7 8 8 7	SP		10.0	GRAVELLY SAND (SP), yellowish brown, wet.				10
			5 7 9			12.0		4.1			
			5 10 13	CL		12.5	SANDY CLAY (CL).	3.6			
				SP		13.0		3.1			
							Bottom of boring at approximately 13 feet bgs. Bottom of well at approximately 12.5 feet bgs.				

**COMMENTS**

APPROVED BY: *Michael Sullivan* DATE: 1/30/08



BORING-WELL 2007 001-09171-17.GPJ LFR SEPT 2006.GDT 1/31/08

## **APPENDIX C**

### **Caldera Surveying Well Location Survey Report**



Caldera Land Surveying Inc.  
5090 Napa Shore Drive, Fairfield, CA 94534  
Bruce Parker PLS #7757

---

Groundwater Monitoring Well Location Survey  
230 Bay Place, Oakland, Alameda County, California  
Date of Survey: October 8, 2007  
Horizontal Datum: North American Datum 1983  
Vertical Datum: North American Vertical Datum 1988  
Elevation Benchmark: National Geodetic Survey control point "PORT 1"  
PID: HT0654  
Benchmark Elevation: 9.39 feet  
State Plane Coordinate Zone: 403  
Latitude and Longitude reported in Decimal Degrees

LATITUDE	LONGITUDE	ELEVATION	NORTHING	EASTING	DESCRIPTION
<b>37.8127839</b>	<b>122.2604735</b>	<b>13.40</b>	2123198.120	6053140.924	MW LF1 TOC
<b>37.8127849</b>	<b>122.2604736</b>	<b>13.76</b>	2123198.489	6053140.883	MW LF1 RIM
<b>37.8126103</b>	<b>122.2610228</b>	<b>13.13</b>	2123137.910	6052981.068	MW LF2 TOC
<b>37.8126114</b>	<b>122.2610229</b>	<b>13.41</b>	2123138.292	6052981.041	MW LF2 RIM
<b>37.8125212</b>	<b>122.2608205</b>	<b>13.15</b>	2123104.371	6053038.889	MW LF3 TOC
<b>37.8125228</b>	<b>122.2608205</b>	<b>13.58</b>	2123104.954	6053038.912	MW LF3 RIM
<b>37.8124852</b>	<b>122.2606978</b>	<b>13.32</b>	2123090.598	6053074.084	MW LF4 TOC
<b>37.8124862</b>	<b>122.2606983</b>	<b>13.90</b>	2123090.941	6053073.946	MW LF4 RIM
<b>37.8125445</b>	<b>122.2604902</b>	<b>15.92</b>	2123111.051	6053134.441	MW LF5 TOC
<b>37.8125451</b>	<b>122.2604906</b>	<b>16.13</b>	2123111.264	6053134.329	MW LF5 RIM

Description Legend:

MW – Monitoring Well.

RIM – Location at top north side of steel ring with lid. Elevation at ground level.

TOC – Location at top of PVC well casing highest point.

---

Bruce Parker, PLS 7757  
Caldera Land Surveying Inc.

## **APPENDIX D**

### **Laboratory Analytical Reports**



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 198180  
ANALYTICAL REPORT

LFR Levine Fricke  
1900 Powell Street  
Emeryville, CA 94608

Project : 001-09171-17  
Location : Cox Cadillac  
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
LF-2	198180-001
LF-2-D	198180-002
LF-3	198180-003
LF-4	198180-004
LF-5	198180-005
LF-1	198180-006

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature:   
Project Manager

Date: 10/18/2007

Signature:   
Operations Manager

Date: 10/19/2007

### CASE NARRATIVE

Laboratory number: 198180  
Client: LFR Levine Fricke  
Project: 001-09171-17  
Location: Cox Cadillac  
Request Date: 10/08/07  
Samples Received: 10/08/07

This hardcopy data package contains sample and QC results for six water samples, requested for the above referenced project on 10/08/07. The samples were received cold and intact. All data were e-mailed to Ron Goloubow on 10/15/07.

**TPH-Extractables by GC (EPA 8015B):**

No analytical problems were encountered.

**Volatile Organics by GC/MS (EPA 8260B):**

No analytical problems were encountered.





## Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171-17	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC409930	Batch#:	130398
Matrix:	Water	Prepared:	10/10/07
Units:	ug/L	Analyzed:	10/11/07

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,081	83	58-128

Surrogate	%REC	Limits
Hexacosane	83	61-133

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 3520C
Project#:	001-09171-17	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	130398
MSS Lab ID:	198061-003	Sampled:	10/03/07
Matrix:	Water	Received:	10/03/07
Units:	ug/L	Prepared:	10/10/07
Diln Fac:	1.000	Analyzed:	10/12/07

Type: MS Cleanup Method: EPA 3630C  
 Lab ID: QC409931

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	33.12	2,500	2,490	98	58-129

Surrogate	%REC	Limits
Hexacosane	122	61-133

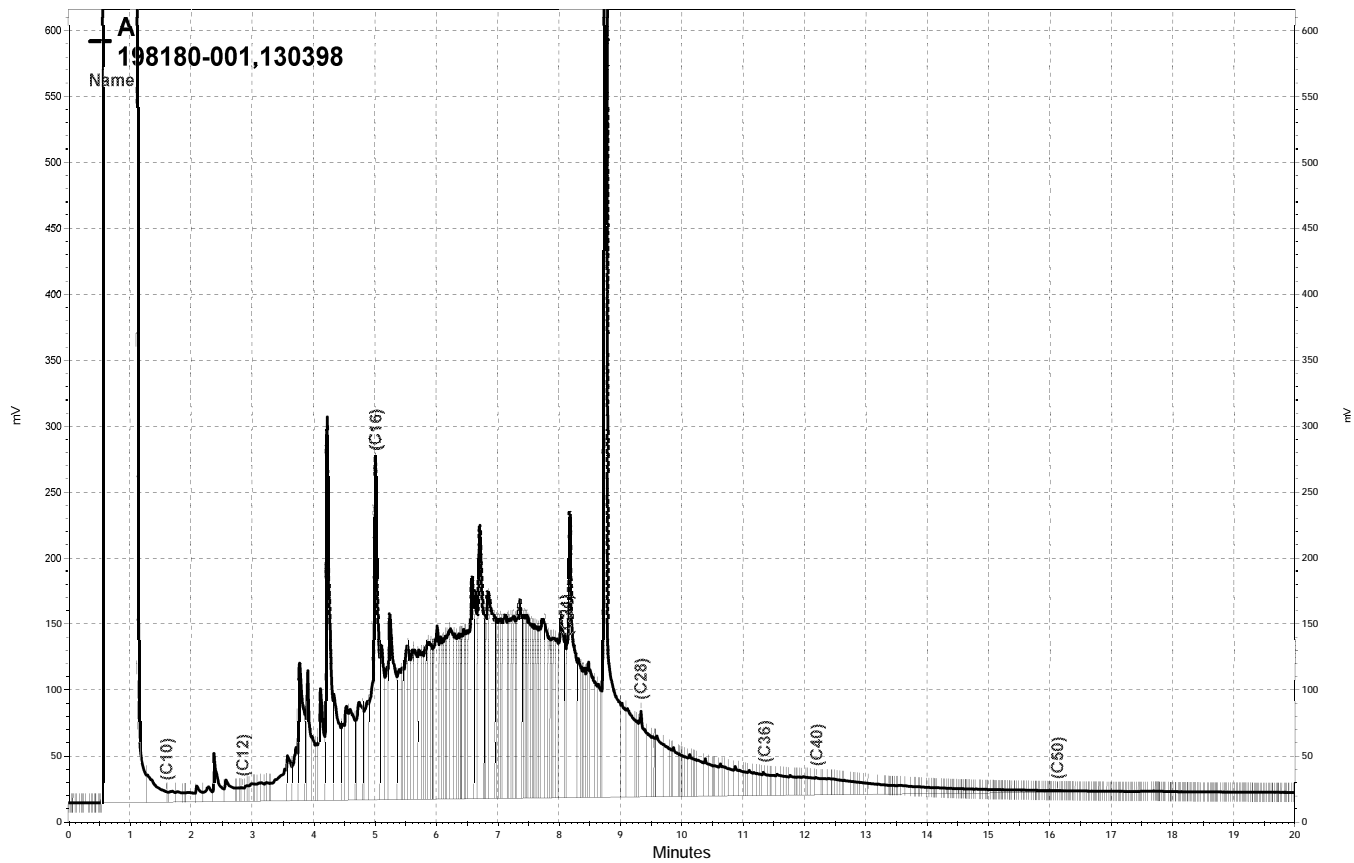
Type: MSD Cleanup Method: EPA 3630C  
 Lab ID: QC409932

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,372	94	58-129	5	27

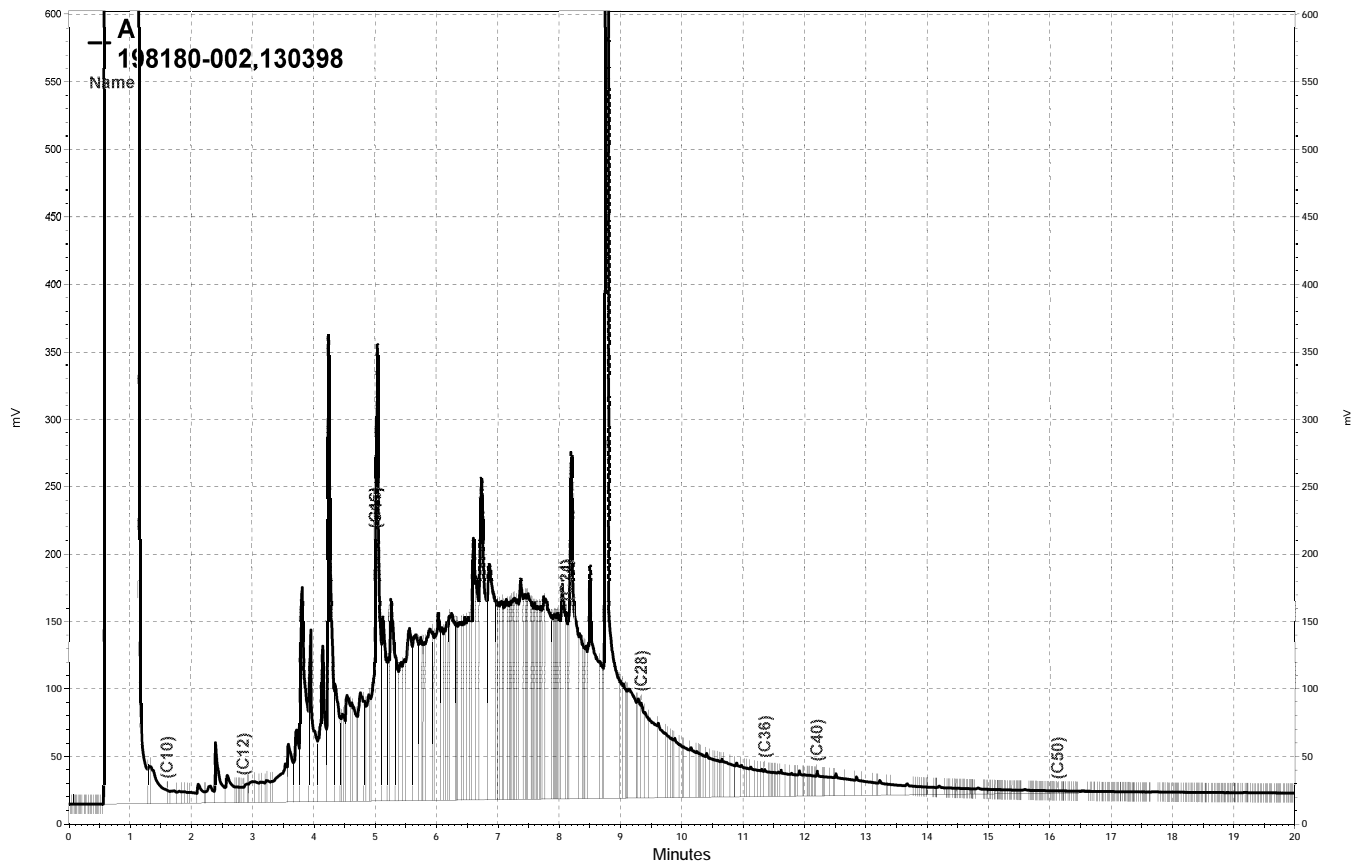
Surrogate	%REC	Limits
Hexacosane	114	61-133

RPD= Relative Percent Difference

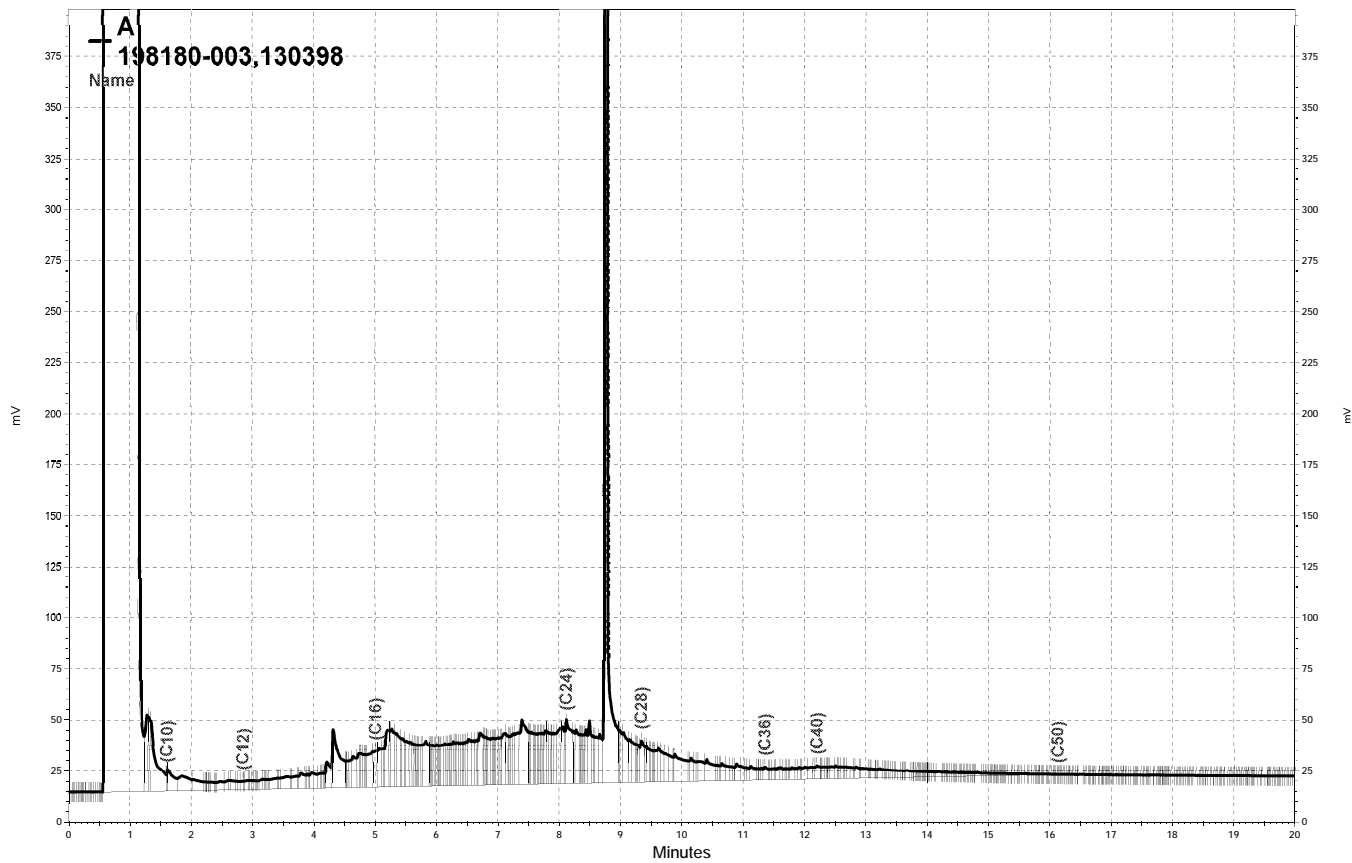




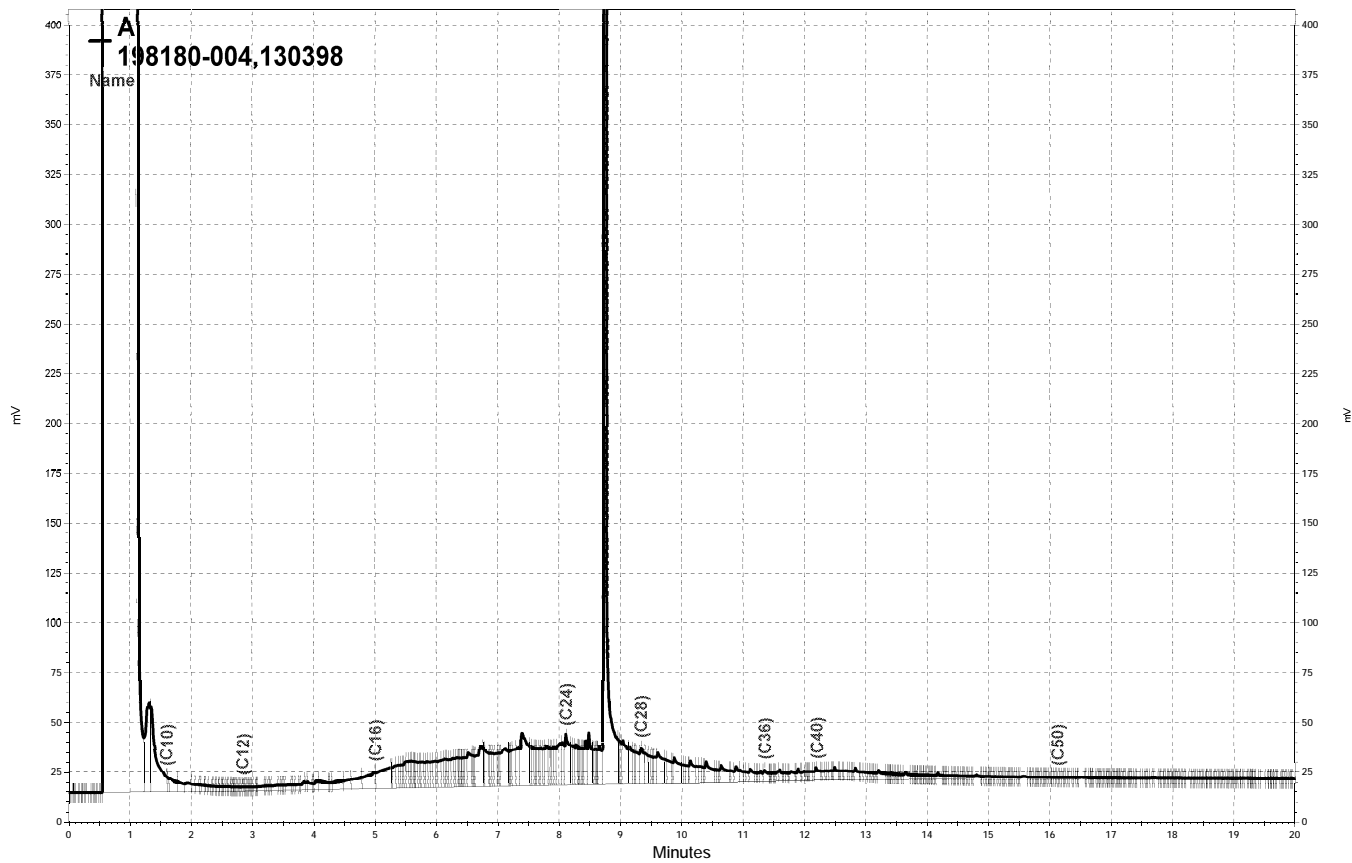
— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\284a024, A



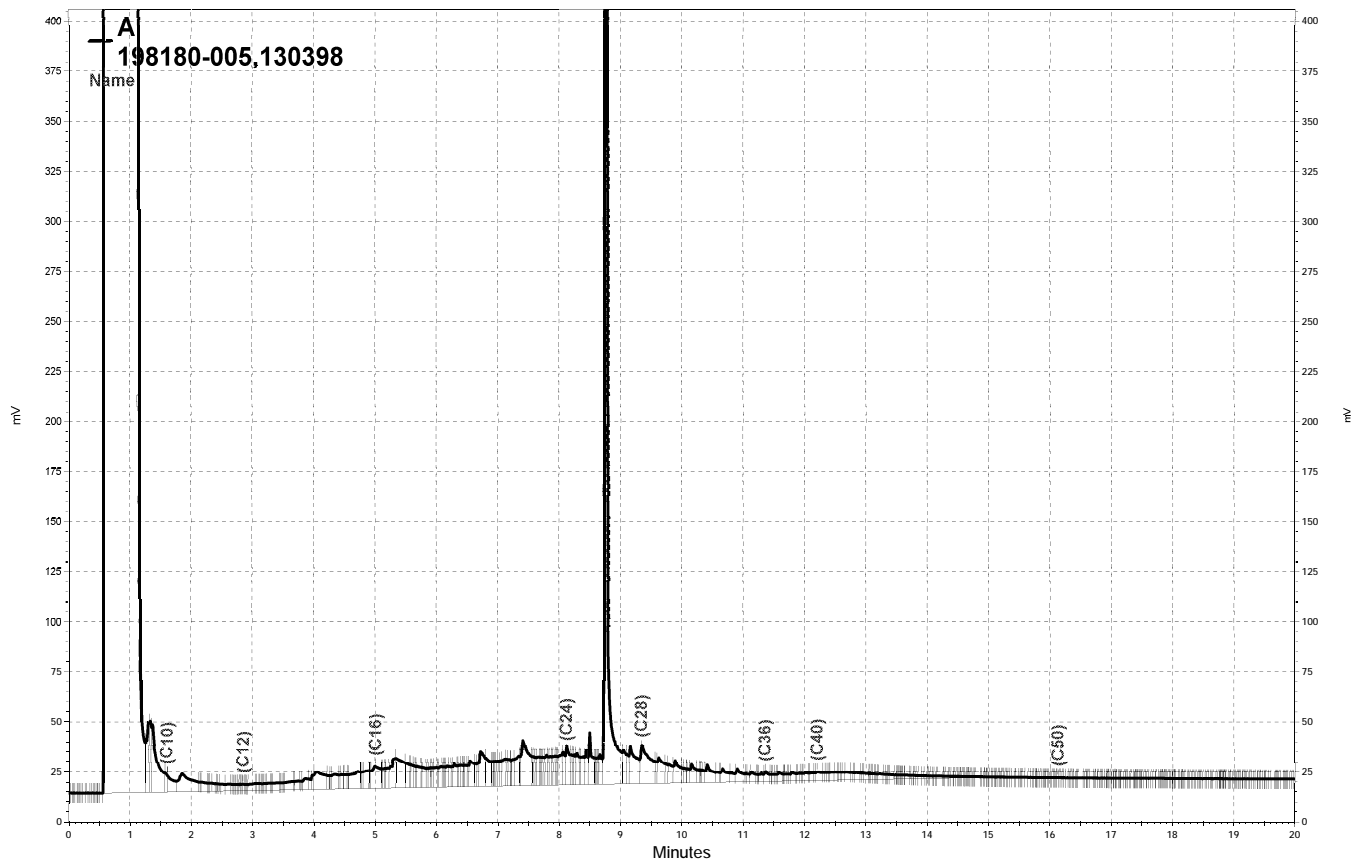
— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\284a025, A



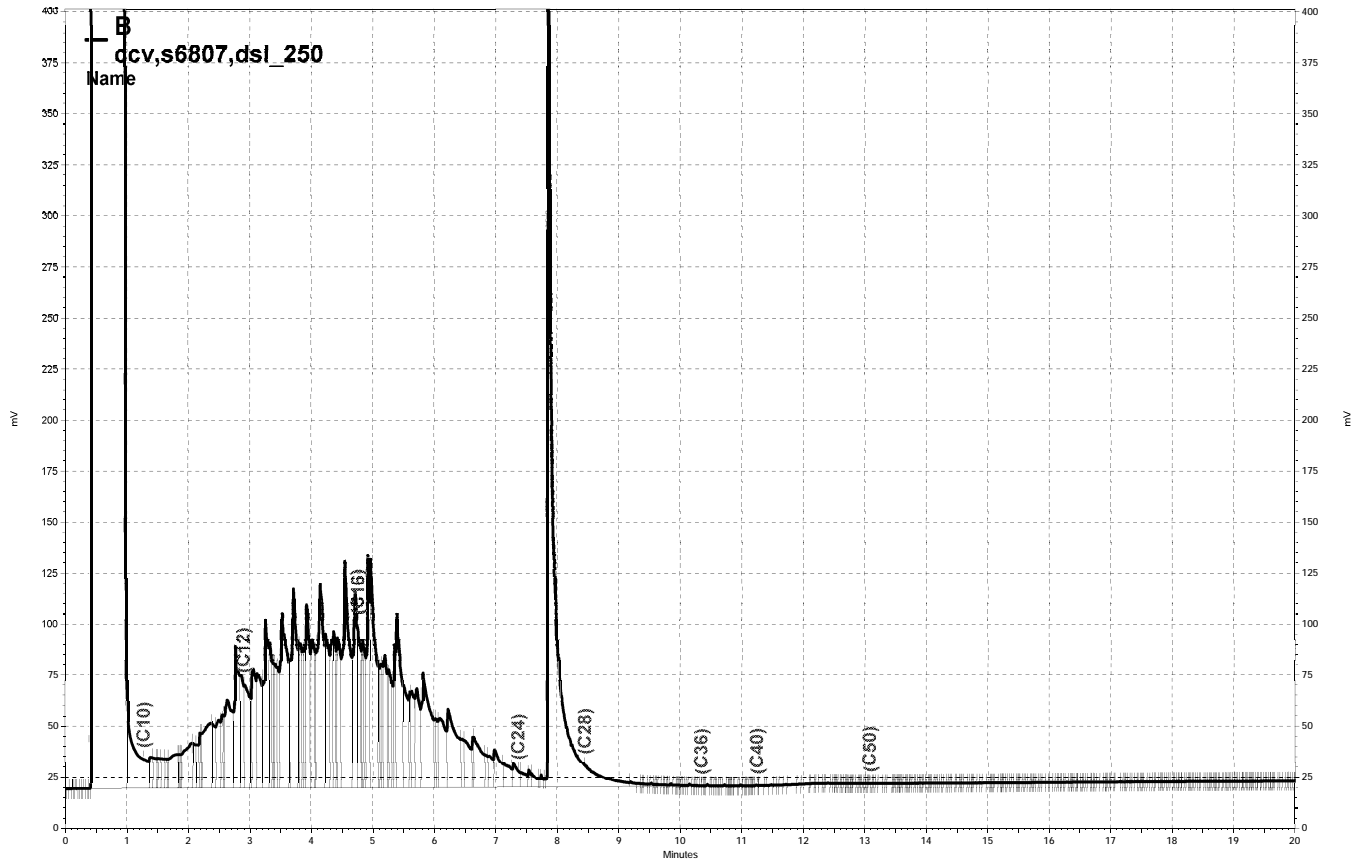
— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\284a026, A



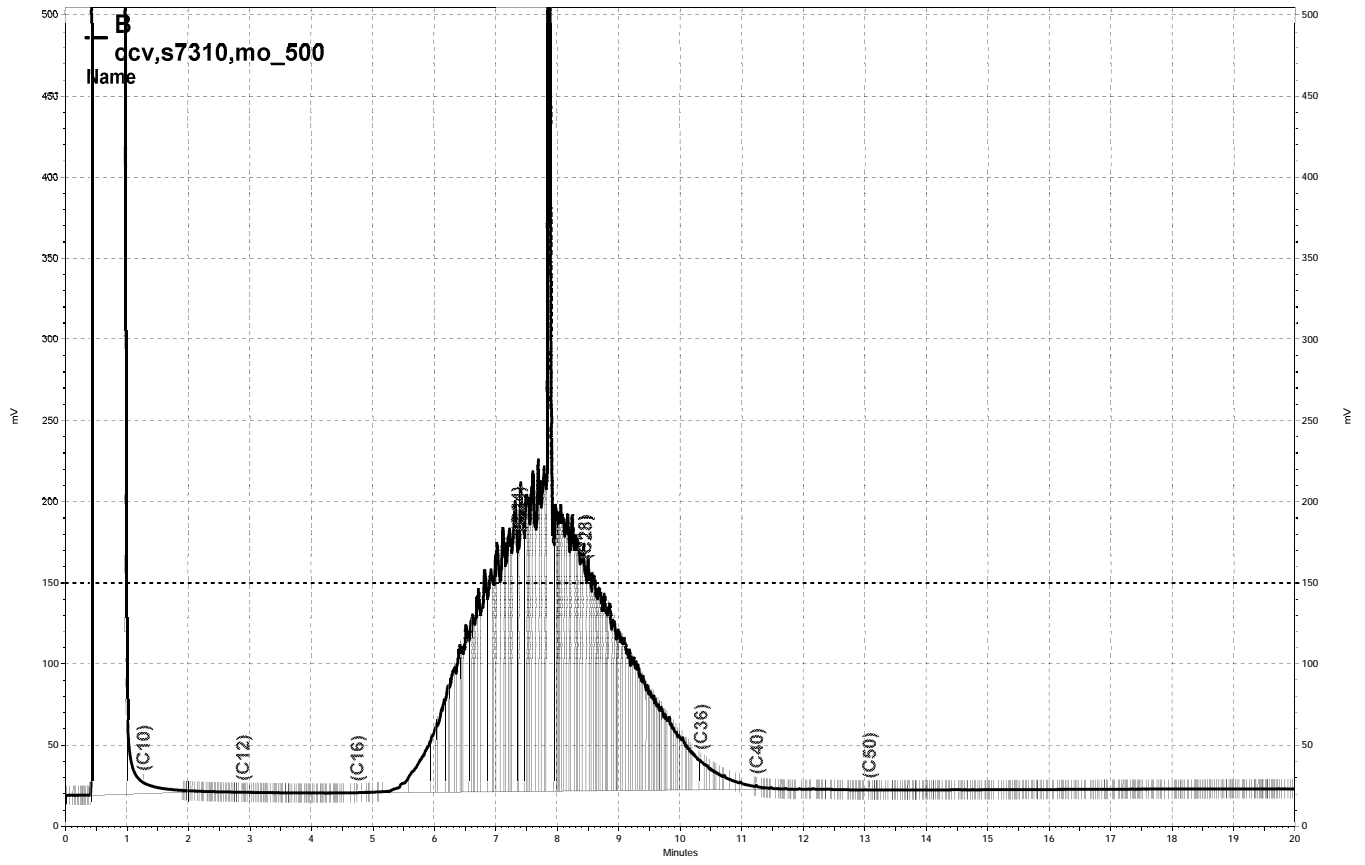
— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\284a027, A



— \\Lims\gdrive\ezchrom\Projects\GC17A\Data\284a028, A



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\283b039, B



— \\Lims\gdrive\ezchrom\Projects\GC15B\Data\283b035, B

Gasoline by GC/MS			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Field ID:	LF-2	Batch#:	130425
Lab ID:	198180-001	Sampled:	10/08/07
Matrix:	Water	Received:	10/08/07
Units:	ug/L	Analyzed:	10/11/07
Diln Fac:	5.000		

Analyte	Result	RL
Gasoline C7-C12	ND	250
tert-Butyl Alcohol (TBA)	ND	50
Isopropyl Ether (DIPE)	ND	2.5
Ethyl tert-Butyl Ether (ETBE)	ND	2.5
Methyl tert-Amyl Ether (TAME)	ND	2.5
MTBE	280	2.5
1,2-Dichloroethane	ND	2.5
Benzene	ND	2.5
Toluene	ND	2.5
1,2-Dibromoethane	ND	2.5
Ethylbenzene	ND	2.5
m,p-Xylenes	ND	2.5
o-Xylene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-122
1,2-Dichloroethane-d4	111	74-137
Toluene-d8	100	80-120
Bromofluorobenzene	112	80-120

ND= Not Detected  
 RL= Reporting Limit



Gasoline by GC/MS			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Field ID:	LF-2-D	Units:	ug/L
Lab ID:	198180-002	Sampled:	10/08/07
Matrix:	Water	Received:	10/08/07

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Gasoline C7-C12	ND	130	2.500	130425	10/11/07
tert-Butyl Alcohol (TBA)	ND	25	2.500	130425	10/11/07
Isopropyl Ether (DIPE)	ND	1.3	2.500	130425	10/11/07
Ethyl tert-Butyl Ether (ETBE)	ND	1.3	2.500	130425	10/11/07
Methyl tert-Amyl Ether (TAME)	ND	1.3	2.500	130425	10/11/07
MTBE	250	2.5	5.000	130461	10/12/07
1,2-Dichloroethane	ND	1.3	2.500	130425	10/11/07
Benzene	ND	1.3	2.500	130425	10/11/07
Toluene	ND	1.3	2.500	130425	10/11/07
1,2-Dibromoethane	ND	1.3	2.500	130425	10/11/07
Ethylbenzene	ND	1.3	2.500	130425	10/11/07
m,p-Xylenes	ND	1.3	2.500	130425	10/11/07
o-Xylene	ND	1.3	2.500	130425	10/11/07

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	106	80-122	2.500	130425	10/11/07
1,2-Dichloroethane-d4	108	74-137	2.500	130425	10/11/07
Toluene-d8	99	80-120	2.500	130425	10/11/07
Bromofluorobenzene	113	80-120	2.500	130425	10/11/07

ND= Not Detected  
 RL= Reporting Limit

Gasoline by GC/MS			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Field ID:	LF-3	Units:	ug/L
Lab ID:	198180-003	Sampled:	10/08/07
Matrix:	Water	Received:	10/08/07

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Gasoline C7-C12	ND	5,000	100.0	130425	10/11/07
tert-Butyl Alcohol (TBA)	ND	1,000	100.0	130425	10/11/07
Isopropyl Ether (DIPE)	ND	50	100.0	130425	10/11/07
Ethyl tert-Butyl Ether (ETBE)	ND	50	100.0	130425	10/11/07
Methyl tert-Amyl Ether (TAME)	ND	50	100.0	130425	10/11/07
MTBE	12,000	130	250.0	130461	10/12/07
1,2-Dichloroethane	ND	50	100.0	130425	10/11/07
Benzene	ND	50	100.0	130425	10/11/07
Toluene	ND	50	100.0	130425	10/11/07
1,2-Dibromoethane	ND	50	100.0	130425	10/11/07
Ethylbenzene	ND	50	100.0	130425	10/11/07
m,p-Xylenes	ND	50	100.0	130425	10/11/07
o-Xylene	ND	50	100.0	130425	10/11/07

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
Dibromofluoromethane	107	80-122	100.0	130425	10/11/07
1,2-Dichloroethane-d4	112	74-137	100.0	130425	10/11/07
Toluene-d8	100	80-120	100.0	130425	10/11/07
Bromofluorobenzene	110	80-120	100.0	130425	10/11/07

ND= Not Detected  
 RL= Reporting Limit

Gasoline by GC/MS			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Field ID:	LF-4	Batch#:	130425
Lab ID:	198180-004	Sampled:	10/08/07
Matrix:	Water	Received:	10/08/07
Units:	ug/L	Analyzed:	10/11/07
Diln Fac:	2.500		

Analyte	Result	RL
Gasoline C7-C12	ND	130
tert-Butyl Alcohol (TBA)	ND	25
Isopropyl Ether (DIPE)	ND	1.3
Ethyl tert-Butyl Ether (ETBE)	ND	1.3
Methyl tert-Amyl Ether (TAME)	ND	1.3
MTBE	230	1.3
1,2-Dichloroethane	ND	1.3
Benzene	ND	1.3
Toluene	ND	1.3
1,2-Dibromoethane	ND	1.3
Ethylbenzene	ND	1.3
m,p-Xylenes	ND	1.3
o-Xylene	ND	1.3

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-122
1,2-Dichloroethane-d4	109	74-137
Toluene-d8	99	80-120
Bromofluorobenzene	112	80-120

ND= Not Detected  
 RL= Reporting Limit

Gasoline by GC/MS			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Field ID:	LF-5	Batch#:	130425
Lab ID:	198180-005	Sampled:	10/08/07
Matrix:	Water	Received:	10/08/07
Units:	ug/L	Analyzed:	10/11/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	95	74-137
Toluene-d8	98	80-120
Bromofluorobenzene	108	80-120

ND= Not Detected  
 RL= Reporting Limit

Gasoline by GC/MS			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Field ID:	LF-1	Batch#:	130425
Lab ID:	198180-006	Sampled:	10/08/07
Matrix:	Water	Received:	10/08/07
Units:	ug/L	Analyzed:	10/11/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-122
1,2-Dichloroethane-d4	99	74-137
Toluene-d8	99	80-120
Bromofluorobenzene	107	80-120

ND= Not Detected  
 RL= Reporting Limit

**Batch QC Report**

<b>Gasoline by GC/MS</b>			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC410035	Batch#:	130425
Matrix:	Water	Analyzed:	10/11/07
Units:	ug/L		

<b>Analyte</b>	<b>Result</b>	<b>RL</b>
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

<b>Surrogate</b>	<b>%REC</b>	<b>Limits</b>
Dibromofluoromethane	90	80-122
1,2-Dichloroethane-d4	79	74-137
Toluene-d8	95	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected  
 RL= Reporting Limit

**Batch QC Report**

Gasoline by GC/MS			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	130425
Units:	ug/L	Analyzed:	10/11/07
Diln Fac:	1.000		

Type: BS Lab ID: QC410036

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	110.9	89	59-149
Isopropyl Ether (DIPE)	25.00	21.66	87	59-120
Ethyl tert-Butyl Ether (ETBE)	25.00	22.48	90	65-134
Methyl tert-Amyl Ether (TAME)	25.00	23.18	93	67-132
MTBE	25.00	22.30	89	60-130
1,2-Dichloroethane	25.00	23.29	93	76-121
Benzene	25.00	25.51	102	80-120
Toluene	25.00	25.59	102	80-122
1,2-Dibromoethane	25.00	26.35	105	80-120
Ethylbenzene	25.00	24.50	98	80-127
m,p-Xylenes	50.00	51.52	103	80-130
o-Xylene	25.00	25.70	103	80-126

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-122
1,2-Dichloroethane-d4	83	74-137
Toluene-d8	97	80-120
Bromofluorobenzene	91	80-120

Type: BSD Lab ID: QC410037

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	110.6	88	59-149	0	20
Isopropyl Ether (DIPE)	25.00	21.28	85	59-120	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.23	89	65-134	1	20
Methyl tert-Amyl Ether (TAME)	25.00	22.81	91	67-132	2	20
MTBE	25.00	21.83	87	60-130	2	20
1,2-Dichloroethane	25.00	22.96	92	76-121	1	20
Benzene	25.00	25.03	100	80-120	2	20
Toluene	25.00	25.19	101	80-122	2	20
1,2-Dibromoethane	25.00	26.25	105	80-120	0	20
Ethylbenzene	25.00	24.29	97	80-127	1	20
m,p-Xylenes	50.00	50.66	101	80-130	2	20
o-Xylene	25.00	25.50	102	80-126	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-122
1,2-Dichloroethane-d4	81	74-137
Toluene-d8	96	80-120
Bromofluorobenzene	92	80-120

RPD= Relative Percent Difference

## Batch QC Report

Gasoline by GC/MS			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	130425
Units:	ug/L	Analyzed:	10/11/07
Diln Fac:	1.000		

Type: BS Lab ID: QC410038

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,172	117	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	89	80-122
1,2-Dichloroethane-d4	80	74-137
Toluene-d8	97	80-120
Bromofluorobenzene	93	80-120

Type: BSD Lab ID: QC410039

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,166	117	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	88	80-122
1,2-Dichloroethane-d4	75	74-137
Toluene-d8	95	80-120
Bromofluorobenzene	93	80-120

RPD= Relative Percent Difference



**Batch QC Report**

Gasoline by GC/MS			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	130461
Units:	ug/L	Analyzed:	10/12/07
Diln Fac:	1.000		

Type: BS Lab ID: QC410190

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	97.41	78	59-149
Isopropyl Ether (DIPE)	25.00	24.00	96	59-120
Ethyl tert-Butyl Ether (ETBE)	25.00	24.77	99	65-134
Methyl tert-Amyl Ether (TAME)	25.00	23.78	95	67-132
MTBE	25.00	23.74	95	60-130
1,2-Dichloroethane	25.00	25.30	101	76-121
Benzene	25.00	25.73	103	80-120
Toluene	25.00	26.42	106	80-122
1,2-Dibromoethane	25.00	25.44	102	80-120
Ethylbenzene	25.00	26.65	107	80-127
m,p-Xylenes	50.00	54.47	109	80-130
o-Xylene	25.00	27.25	109	80-126

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-122
1,2-Dichloroethane-d4	98	74-137
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-120

Type: BSD Lab ID: QC410191

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	112.6	90	59-149	14	20
Isopropyl Ether (DIPE)	25.00	22.99	92	59-120	4	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.78	95	65-134	4	20
Methyl tert-Amyl Ether (TAME)	25.00	23.73	95	67-132	0	20
MTBE	25.00	24.23	97	60-130	2	20
1,2-Dichloroethane	25.00	24.57	98	76-121	3	20
Benzene	25.00	25.19	101	80-120	2	20
Toluene	25.00	25.63	103	80-122	3	20
1,2-Dibromoethane	25.00	25.73	103	80-120	1	20
Ethylbenzene	25.00	25.94	104	80-127	3	20
m,p-Xylenes	50.00	53.76	108	80-130	1	20
o-Xylene	25.00	26.45	106	80-126	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	101	74-137
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-120

RPD= Relative Percent Difference

**Batch QC Report**

<b>Gasoline by GC/MS</b>			
Lab #:	198180	Location:	Cox Cadillac
Client:	LFR Levine Fricke	Prep:	EPA 5030B
Project#:	001-09171-17	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC410192	Batch#:	130461
Matrix:	Water	Analyzed:	10/12/07
Units:	ug/L		



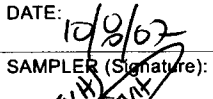
<b>Analyte</b>	<b>Result</b>	<b>RL</b>
Gasoline C7-C12	NA	
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

<b>Surrogate</b>	<b>%REC</b>	<b>Limits</b>
Dibromofluoromethane	96	80-122
1,2-Dichloroethane-d4	103	74-137
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-120

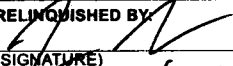
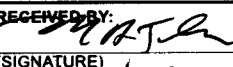
NA= Not Analyzed  
 ND= Not Detected  
 RL= Reporting Limit

198/80

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

<b>SAMPLE COLLECTOR:</b>  <b>1900 Powell Street, 12th Floor</b> <b>Emeryville, California 94608-1827</b> <b>LEVINE • FRICKE (510) 652-4500 Fax: (510) 652-2246</b>	<b>PROJECT NO.:</b> 001-09171-17	<b>SECTION NO.:</b>	<b>DATE:</b> 10/8/07	<b>SAMPLER'S INITIALS:</b> 	<b>SERIAL NO.:</b> No 202131
	<b>PROJECT NAME:</b> Cox / Whole Foods		<b>SAMPLER (Signature):</b> 		

SAMPLE ID.	DATE	TIME	SAMPLE		ANALYSES REQUESTED										REMARKS			
			Lab Sample No.	No. of Containers	TYPE		ANALYSES REQUESTED											
					Soil	Water	TPHd (EPA 8015M)	TPHMO (EPA 8015M)	TPHg (EPA 8015M)	BTEX (EPA 8015M)	VOCs (EPA 8015M)	Metals (EPA 8015M)	TAT	*VOCs:		**Metals:		
-1 LF-2	10/8/07	1355	4	X	X	X	X	X	X	X	X	X	X	X	X	X		
-2 LF-2-D	10/8/07	1405	4	X	X	X	X	X	X	X	X	X	X	X	X	X		
-3 LF-3	10/8/07	1420	4	X	X	X	X	X	X	X	X	X	X	X	X	X		
-4 LF-4	10/8/07	1035	4	X	X	X	X	X	X	X	X	X	X	X	X	X		
-5 LF-5	10/8/07	1245	4	X	X	X	X	X	X	X	X	X	X	X	X	X		
-6 LF-1	10/8/07	1220	4	X	X	X	X	X	X	X	X	X	X	X	X	X		
<p>Micah Smith states O.K. to run sample w/ HCl preservative like amber, not for compliance</p>															<p>Note: any questions contact Ron Golubow @ LFR</p>			

<b>SAMPLE RECEIPT:</b> <input type="checkbox"/> Intact <input type="checkbox"/> Cold <input checked="" type="checkbox"/> On ice <input type="checkbox"/> Ambient  Preservative Correct? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Cooler Temp:	<b>METHOD OF SHIPMENT:</b> Hand Deliver	<b>RELINQUISHED BY:</b> 	10/8/07 1	<b>RELINQUISHED BY:</b>	2	<b>RELINQUISHED BY:</b>	3
	Cooler No.:	<b>LAB REPORT NO.:</b>	(SIGNATURE) (DATE)	(DATE)	(SIGNATURE)	(DATE)	(SIGNATURE)	(DATE)
		<b>FAX COC CONFIRMATION TO:</b> Ron Golubow	(PRINTED NAME) LFR Inc	(TIME)	(PRINTED NAME)	(TIME)	(PRINTED NAME)	(TIME)
		<b>FAX RESULTS TO:</b>	<b>RECEIVED BY:</b> 	10/8/07 1	<b>RECEIVED BY:</b>	2	<b>RECEIVED BY (LABORATORY):</b>	3
<b>ANALYTICAL LABORATORY:</b>		<b>SEND HARD COPY TO:</b>	(SIGNATURE) Micah Smith	(DATE) 10/15/07	(SIGNATURE)	(DATE)	(SIGNATURE)	(DATE)
		<b>SEND EDD TO:</b> EMV.LABEDDS.COM	(PRINTED NAME) C & T	(TIME)	(PRINTED NAME)	(TIME)	(PRINTED NAME)	(TIME)
			(COMPANY)		(COMPANY)		(COMPANY)	

SOP Volume: Client Services  
Section: 1.1.2  
Page: 1 of 1  
Effective Date: 08-Aug-07  
Revision: 3 Number 1 of 3  
Filename: F:\QC\Forms\QC\Cooler.wpd



## COOLER RECEIPT CHECKLIST

Login#: 198180 Date Received: 10/8/07 Number of Coolers: 1  
Client: LF Project: Cox / Whole Foods

### A. Preliminary Examination Phase

Date Opened: 10/8 By (print): K Wellbrock (sign) [Signature]

1. Did cooler come with a shipping slip (airbill, etc.)?..... YES  NO
- If YES, enter carrier name and airbill number: \_\_\_\_\_
2. Were custody seals on outside of cooler?..... YES  NO
- How many and where? \_\_\_\_\_ Seal date: \_\_\_\_\_ Seal name: \_\_\_\_\_
3. Were custody seals unbroken and intact at the date and time of arrival?..... YES NO
4. Were custody papers dry and intact when received?.....  YES NO
5. Were custody papers filled out properly (ink, signed, etc.)?.....  YES NO
6. Did you sign the custody papers in the appropriate place?.....  YES NO
7. Was project identifiable from custody papers?.....  YES NO
- If YES, enter project name at the top of this form.
8. Describe type of packing in cooler: ice, bubble wrap, foam block
9. If required, was sufficient ice used? Samples should be  $\leq 6$  degrees C. .... YES NO
- Type of ice: wet Temperature: no temp blank - on ice from field
10. Were Encore sampling devices present in the cooler?..... YES  NO
- If YES, enter time they were transferred to the freezer \_\_\_\_\_

### B. Login Phase

Date Logged In: 10/8 By (print): K Wellbrock (sign) [Signature]

1. Did all bottles arrive unbroken?.....  YES NO
2. Were labels in good condition and complete (ID, date, time, signature, etc.)?...  YES NO
3. Did bottle labels agree with custody papers?.....  YES NO
4. Were appropriate containers used for the tests indicated?.....  YES NO
5. Were correct preservatives added to samples?.....  YES NO
6. Was sufficient amount of sample sent for tests indicated?.....  YES NO
7. Were bubbles absent in VOA samples? If NO, list sample Ids below.....  YES NO
8. Was the client contacted concerning this sample delivery?..... YES NO
- If YES, give details below.

Who was called? \_\_\_\_\_ By whom? \_\_\_\_\_ Date: \_\_\_\_\_

### Additional Comments:

B5 - HCl in 1L Ambers - OKed by MRS upon arrival of samples