

11 November 2003

Alameda County  
NOV 17 2003  
Environmental Health

Mr. Don Hwang  
Hazardous Materials Specialist  
Local Oversight Program  
Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Subject: Third Quarter 2003 Groundwater Monitoring Report  
Former Cox Cadillac Fuel Leak Case No. RO0000148  
230 Bay Place, Oakland, CA

Dear Mr. Hwang:

ETIC Engineering, Inc., on behalf of The Greater Bay Trust Company, presents the results of the Third Quarter 2003 groundwater monitoring activities conducted at the above-referenced subject site on 3 and 22 October 2003. The groundwater monitoring program was modified for this quarter to include sampling of wells TW4 and TW5, and to include the analysis of gasoline oxygenates by EPA Test Method 8260.


The subject report presents the analytical results and groundwater gauging performed at the subject site. Data tables and site figures are presented including groundwater flow contours. Field data sheets and laboratory data sheets are included as appendices.

An evaluation of the contaminants in the soil and groundwater beneath the site will be presented in the supplemental site investigation report upon completion of the field investigation activities.

Should you have any questions or comments, please contact me at (510) 602-1600 extension 16.

Very truly yours,

**ETIC Engineering, Inc.**



Luis A. Fraticelli, R.G.  
Senior Project Manager

Cc: Lance Shoemaker - Hanson, Bridgett, Marcus, Vlahos, Rudy, LLP  
Zachary R. Walton - Paul, Hastings, Janofsky & Walker, LLP

RO 148

Alameda County

NOV 17 2003

Environmental Health



**THIRD QUARTER 2003  
GROUNDWATER MONITORING REPORT**

**FORMER COX CADILLAC  
230 BAY PLACE  
OAKLAND, CALIFORNIA**

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Prepared For:

Mr. Lance Shoemaker  
Hanson, Bridgett, Marcus, Vlahos, & Rudy  
333 Market Street, Suite 2300  
San Francisco, California 94105

Prepared By:

ETIC Engineering, Inc  
1333 Broadway, Suite 1015  
Oakland, CA 94612

November 11, 2003

**Third Quarter 2003  
Groundwater Monitoring Report**

**Former Cox Cadillac Facility  
230 Bay Place  
Oakland, California**


November 11, 2003

Prepared for:

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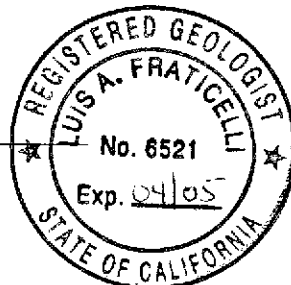
ETIC Engineering, Inc.  
1333 Broadway, Suite 1015  
Oakland, California 94612



Katherine Brandt  
Project Geologist



Luis A. Fraticelli, R.G.  
Senior Project Manager





## SITE CONTACTS

Site Name: Former Cox Cadillac

Site Address: 230 Bay Place  
Oakland, California

Consultant: ETIC Engineering, Inc.  
1333 Broadway, Suite 1015  
Oakland, California 94612  
(510) 208-1600

ETIC Project Manager: Luis A. Fraticelli

Regulatory Oversight: Don Hwang  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577  
(510) 567-6746

## INTRODUCTION

At the request of the Hanson, Bridgett, Marcus, Vlahos, & Rudy, ETIC Engineering, Inc. has prepared this third quarter 2003 groundwater monitoring report for the Former Cox Cadillac Facility. Specifically, this report presents the results for the most recent groundwater monitoring conducted at the site. This report covers site activities during October 2003, the dates of the most recent monitoring event. Groundwater monitoring results, well construction details, and a groundwater monitoring plan for the site are provided in the attached figures and tables. Groundwater monitoring protocols, field data, and analytical results are provided in the attached appendixes.

## GENERAL SITE INFORMATION

<b>Site name:</b>	Former Cox Cadillac
<b>Site address:</b>	230 Bay Place, Oakland, California
<b>Current property owner:</b>	Bond CC Oakland, LLC
<b>Current site use:</b>	Vacant – Monthly parking in the rear
<b>Current phase of project:</b>	Groundwater monitoring
<b>Tanks at site:</b>	Two former open tanks (1 gasoline, 1 waste-oil) and one closed mineral spirit tank
<b>Number of wells:</b>	7 (5 onsite, 2 offsite)

## GROUNDWATER MONITORING SUMMARY

<b>Gauging and sampling date:</b>	October 2003
<b>Wells gauged and sampled:</b>	MW1, MW2, TW2, TW4, TW5, TW6, TW7
<b>Wells gauged only:</b>	None
<b>Groundwater flow direction:</b>	Southwest
<b>Groundwater gradient:</b>	0.06
<b>Well screens not submerged:</b>	None
<b>Liquid-phase hydrocarbons:</b>	Not observed or detected
<b>Laboratory:</b>	Severn Trent Laboratories of San Francisco, Pleasanton, CA

### Analyses performed:

- Total Petroleum Hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl t-butyl ether (MTBE), fuel oxygenates, and ethanol by EPA Method 8260B.

## ADDITIONAL ACTIVITIES PERFORMED AT SITE

Soil and groundwater sampling was performed in the utility trenches along Bay Place. This data will be supplemented with the forthcoming soil and hydropunch investigation results (PES Environmental [PES], 2003a<sup>1</sup>, 2003b<sup>2</sup>), and be presented in a Supplemental Investigation Report following completion of the field work in November 2003.

## WORK PROPOSED FOR NEXT QUARTER

Groundwater will be monitored in accordance with the attached groundwater monitoring plan.

A Supplemental Investigation Workplan and Addendum was submitted to the Alameda County Health Services Agency on 24 January 2003 and 21 May 2003, respectively. The soil and hydropunch investigation described in the workplan and addendum is expected to be completed in November 2003.

### Attachments:

Figure 1: Site Vicinity Map

Figure 2: Site Plan Showing Groundwater Elevation Data 22 October 2003

Figure 3: Site Plan Showing Groundwater Analytical Results October 2003

Table 1: Groundwater Elevation Data

Table 2: Groundwater Analytical Data

Table 3: Groundwater Monitoring Schedule

Appendix A: Field Protocols

Appendix B: Field Documents

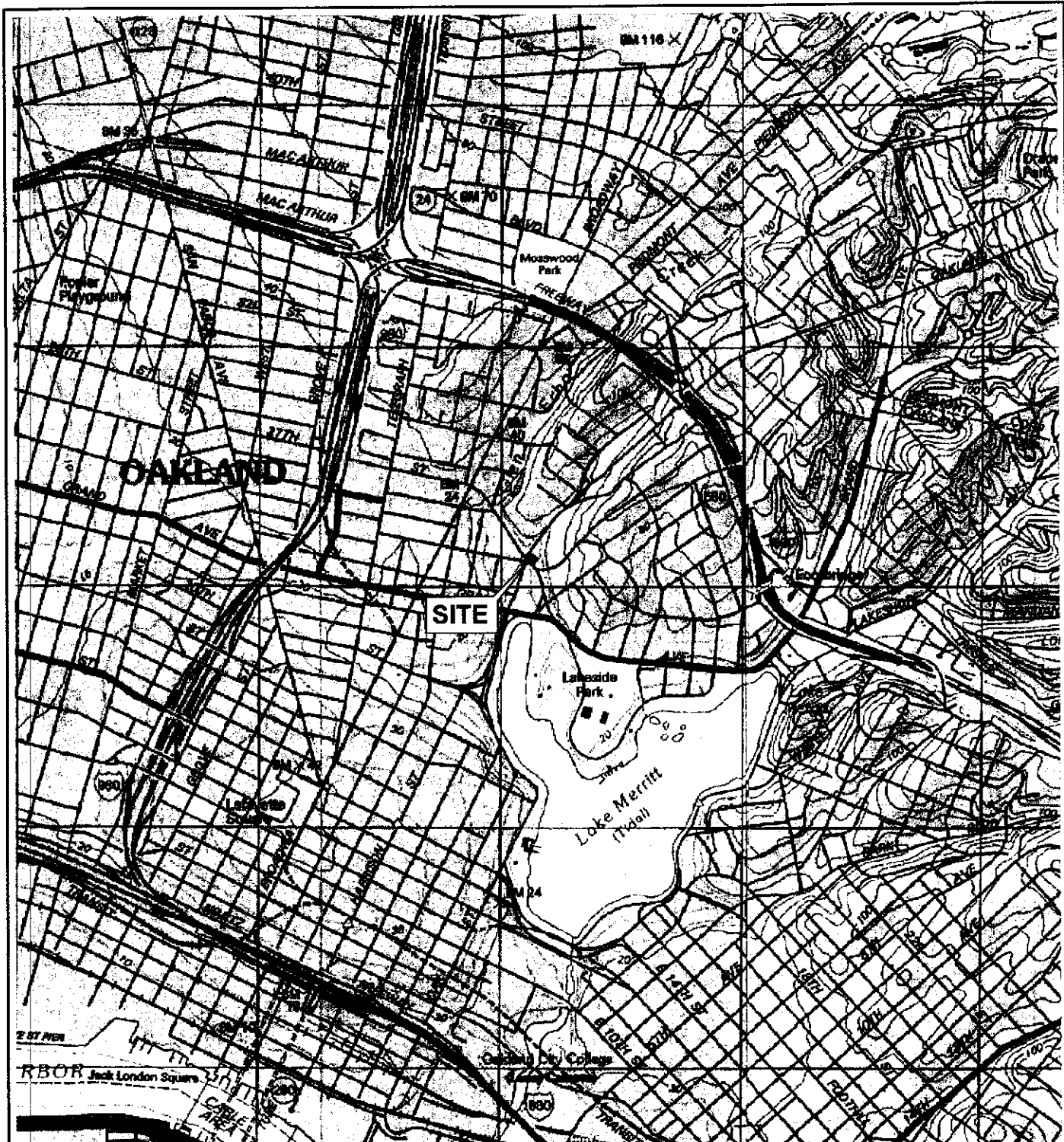
Appendix C: Laboratory Analytical Reports

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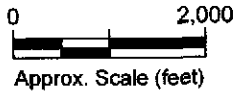
1: PES. 2003a. Workplan Supplemental Site Investigation, Former Cox Cadillac Facility, 230 Bay Place, Oakland, CA. January 24.

2: PES. 2003a. Addendum to Workplan Supplemental Site Investigation, Former Cox Cadillac Facility, 230 Bay Place, Oakland, CA. May 21.

## Figures



Map Source: USGS Topography Map



FILENAME: SITEPLANDWG 11/04/03




SITE VICINITY MAP  
 FORMER COX CADILLAC  
 230 BAY PLACE  
 OAKLAND, CALIFORNIA

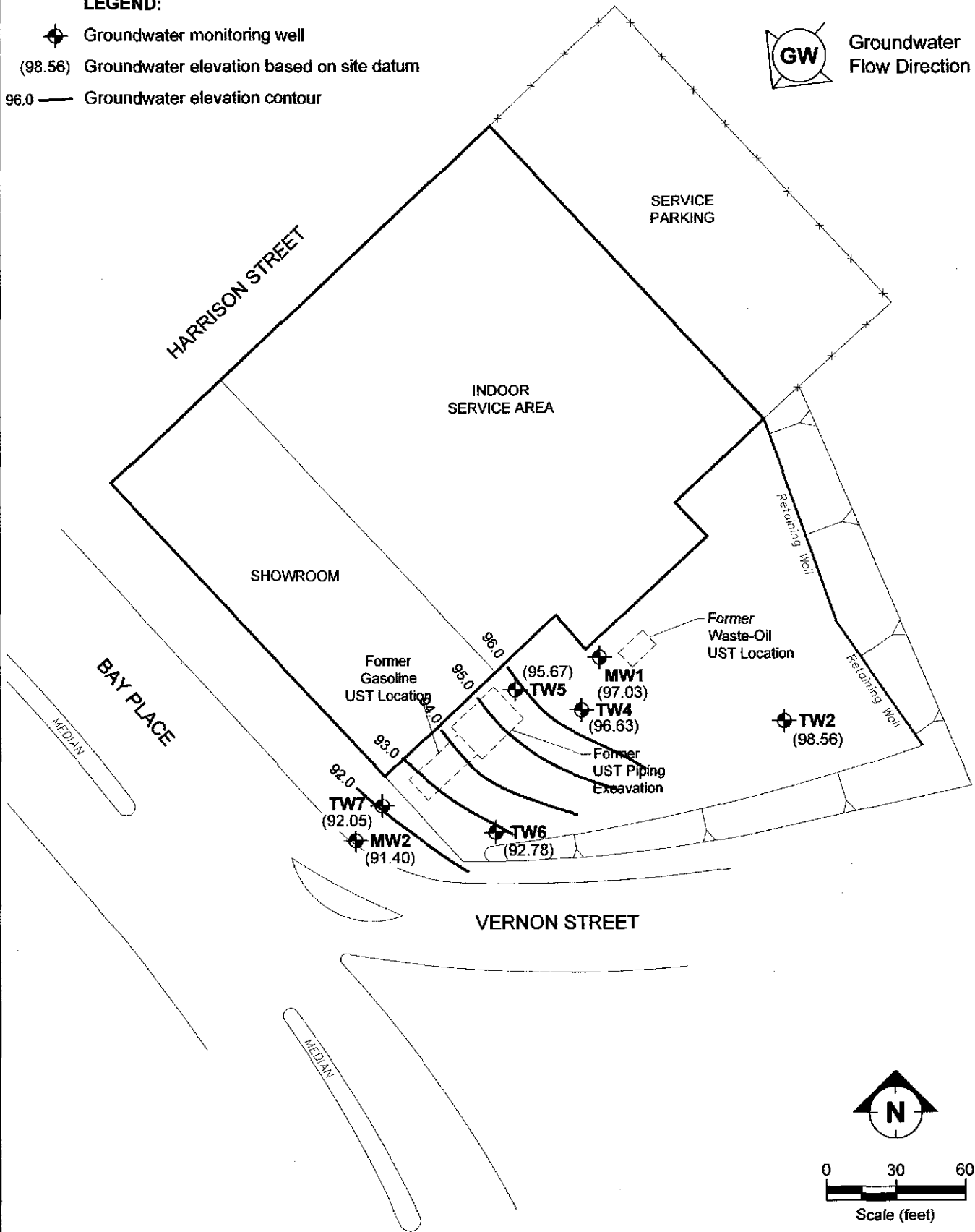
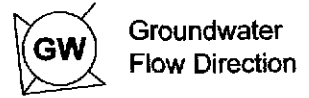
FIGURE:

**1**



**LEGEND:**

-  Groundwater monitoring well
- (98.56) Groundwater elevation based on site datum
- 96.0 — Groundwater elevation contour



FILENAME: SITEPLANDWG 11/07/03



SITE PLAN SHOWING GROUNDWATER ELEVATION DATA  
FORMER COX CADILLAC  
230 BAY PLACE, OAKLAND, CALIFORNIA  
22 OCTOBER 2003

FIGURE:

**2**

**LEGEND:**

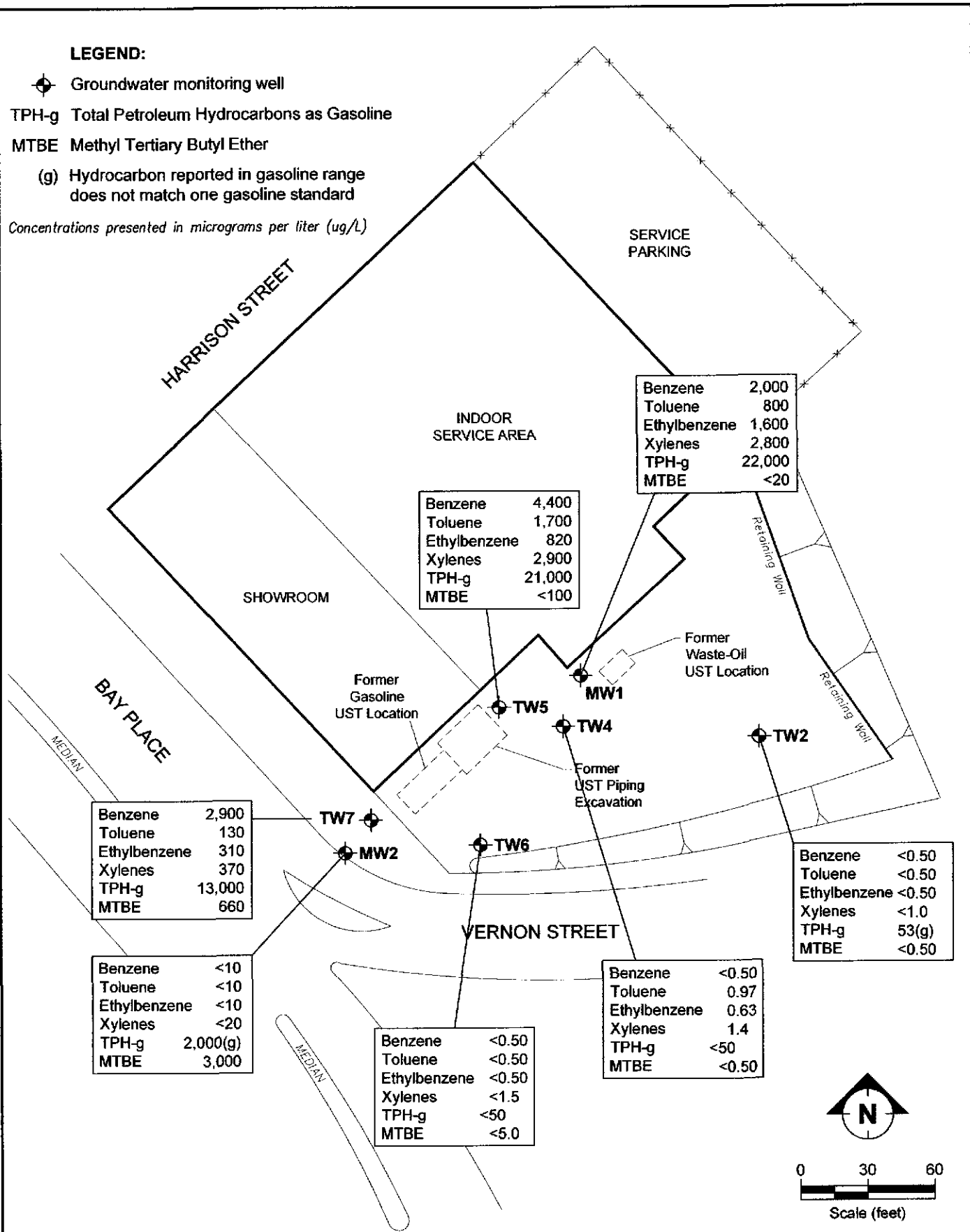
◆ Groundwater monitoring well

TPH-g Total Petroleum Hydrocarbons as Gasoline

MTBE Methyl Tertiary Butyl Ether

(g) Hydrocarbon reported in gasoline range does not match one gasoline standard

Concentrations presented in micrograms per liter (ug/L)



FILENAME: STEPLANDS 11/07/03



**SITE PLAN SHOWING GROUNDWATER ANALYTICAL RESULTS  
FORMER COX CADILLAC  
230 BAY PLACE, OAKLAND, CALIFORNIA  
OCTOBER 2003**

FIGURE:  
**3**

## Tables

TABLE 1 GROUNDWATER ELEVATION DATA  
FORMER COX CADILLAC, 230 BAY PLACE, OAKLAND CALIFORNIA

Well Number	Sample Date	TOC Elevation (feet)	Depth to Groundwater (Feet BTOC)	Groundwater Elevation (feet msl)
MW-1	12/22/94	100.00	2.96	97.04
	03/24/95	100.00	2.21	97.79
	06/29/95	100.00	2.44	97.56
	09/29/95	100.00	3.00	97.00
	02/23/96	100.00	2.18	97.82
	01/12/99	100.00	2.79	97.21
	04/13/99	100.00	2.00	98.00
	07/07/99	100.00	2.60	97.40
	10/06/99	100.00	2.94	97.06
	01/11/00	100.00	2.69	97.31
	04/06/01	100.00	2.99	97.01
	07/25/01	100.00	6.00	94.00
	11/20/01	100.00	3.32	96.68
	01/23/02	100.00	2.47	97.53
	04/26/02	100.00	2.25	97.75
	07/25/02	100.00	3.04	96.96
	10/22/02	100.00	3.02	96.98
	01/27/03	100.00	2.27	97.73
	10/03/03	100.00	2.81	97.19
10/22/03	100.00	2.97	97.03	
MW-2	01/12/99	97.48	5.62	91.86
	04/13/99	97.48	5.30	92.18
	07/07/99	97.48	5.80	91.68
	10/06/99	97.48	5.99	91.49
	01/11/00	97.48	5.73	91.75
	04/06/01	97.48	5.65	91.83
	07/25/01	97.48	6.41	91.07
	11/20/01	97.48	5.89	91.59
	01/23/02	97.48	5.68	91.80
	04/26/02	97.48	5.85	91.63
	07/25/02	97.48	6.15	91.33
	10/22/02	97.48	6.25	91.23
	01/27/03	97.48	5.71	91.77
10/03/03	97.48	6.04	91.44	
10/22/03	97.48	6.08	91.40	
TW-2	12/22/94	100.43	2.88	97.55
	03/24/95	100.43	1.87	98.56
	06/29/95	100.43	2.10	98.33
	09/29/95	100.43	3.02	97.41
	02/23/96	100.43	2.13	98.30
	01/12/99	100.43	1.91	98.52
	04/13/99	100.43	2.51	97.92
	07/07/99	100.43	1.89	98.54
	10/06/99	100.43	1.97	98.46
	01/11/00	100.43	1.79	98.64
	04/06/01	100.43	3.46	96.97

TABLE 1 GROUNDWATER ELEVATION DATA  
FORMER COX CADILLAC, 230 BAY PLACE, OAKLAND CALIFORNIA

Well Number	Sample Date	TOC Elevation (feet)	Depth to Groundwater (Feet BTOC)	Groundwater Elevation (feet msl)
TW-2	07/25/01	100.43	2.60	97.83
	11/20/01	100.43	1.85	98.58
	01/23/02	100.43	3.21	97.22
	04/26/02	100.43	4.30	96.13
	07/25/02	100.43	1.89	98.54
	10/22/02	100.43	1.97	98.46
	01/27/03	100.43	3.15	97.28
	10/03/03	100.43	1.92	98.51
	10/22/03	100.43	1.87	98.56
TW-4	04/13/99	99.35	1.82	97.53
	07/07/99	99.35	2.36	96.99
	01/11/00	99.35	2.63	96.72
	04/06/01	99.35	3.97	95.38
	07/25/01	99.35	2.55	96.80
	11/20/01	99.35	2.33	97.02
	01/23/02	99.35	2.26	97.09
	04/26/02	99.35	2.20	97.15
	07/25/02	99.35	2.24	97.11
	10/22/02	99.35	2.60	96.75
	01/27/03	99.35	2.03	97.32
	10/03/03	99.35	2.72	96.63
TW-5	04/13/99	99.40	1.96	97.44
	07/07/99	99.40	3.12	96.28
	01/11/00	99.40	1.03	98.37
	04/06/01	99.40	3.04	96.36
	07/25/01	99.40	3.90	95.50
	11/20/01	99.40	2.55	96.85
	01/23/02	99.40	2.64	96.76
	04/26/02	99.40	2.50	96.90
	07/25/02	99.40	3.15	96.25
	10/22/02	99.40	3.69	95.71
	01/27/03	99.40	2.38	97.02
10/03/03	99.40	3.73	95.67	
TW-6	12/22/94	98.75	4.66	94.09
	03/24/95	98.75	3.81	94.94
	06/29/95	98.75	5.25	93.50
	09/29/95	98.75	6.12	92.63
	02/23/96	98.75	3.66	95.09
	01/12/99	98.75	5.52	93.23
	04/13/99	98.75	4.91	93.84
	07/07/99	98.75	6.04	92.71
	10/06/99	98.75	6.64	92.11
	01/11/00	98.75	6.41	92.34
	04/06/01	98.75	4.93	93.82
07/25/01	98.75	6.72	92.03	

TABLE 1 GROUNDWATER ELEVATION DATA  
FORMER COX CADILLAC, 230 BAY PLACE, OAKLAND CALIFORNIA

Well Number	Sample Date	TOC Elevation (feet)	Depth to Groundwater (Feet BTOC)	Groundwater Elevation (feet msl)
TW-6	11/20/01	98.75	5.44	93.31
	01/23/02	98.75	3.25	95.50
	04/26/02	98.75	3.40	95.35
	07/25/02	98.75	6.54	92.21
	10/22/02	98.75	7.06	91.69
	01/27/03	98.75	2.50	96.25
	10/03/03	98.75	8.85	89.90
	10/22/03	98.75	5.97	92.78
TW-7	12/22/94	97.96	4.50	93.46
	03/24/95	97.96	2.98	94.98
	06/29/95	97.96	4.30	93.66
	09/29/95	97.96	5.19	92.77
	02/23/96	97.96	3.45	94.51
	01/12/99	97.96	4.81	93.15
	04/13/99	97.96	4.73	93.23
	07/07/99	97.96	5.17	92.79
	10/06/99	97.96	5.70	92.26
	01/11/00	97.96	5.42	92.54
	04/06/01	97.96	4.63	93.33
	07/25/01	97.96	6.80	91.16
	11/20/01	97.96	4.75	93.21
	01/23/02	97.96	5.68	92.28
	04/26/02	97.96	4.80	93.16
	07/25/02	97.96	5.61	92.35
	10/22/02	97.96	6.11	91.85
	01/27/03	97.96	4.38	93.58
10/03/03	97.96	5.80	92.16	
10/22/03	97.96	5.91	92.05	

Notes:

TOC - Top of Casing.

BTOC - Beneath top of casing.

msl - Mean sea level.

**TABLE 2 GROUNDWATER ANALYTICAL DATA**  
 FORMER COX CADILLAC, 230 BAY PLACE, OAKLAND, CALIFORNIA

Well Number	Sample Date	Concentration (µg/L)												Dissolved		
		Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	MTBE	1,2-DCA	EDB	TAME	TBA	DIPE	ETBE	1,1-DCA	Lead	Ethanol
MW-1	03/03/93	8,500	7,500	4,400	15,000	110,000	--	350	--	--	--	--	--	--	--	--
	10/13/93	6,100	4,800	4,000	11,000	74,000	--	350	80	--	--	--	--	--	--	--
	12/22/94	18,000	11,000	2,800	16,000	110,000	--	130	--	--	--	--	<1.0	--	--	--
	03/24/95	3,700	1,800	2,200	4,700	25,000	--	130	--	--	--	--	<5.0	23	--	--
	06/29/95	5,300	2,100	3,200	7,500	28,000	--	110	--	--	--	--	<2.0	14	--	--
	09/29/95	5,600	2,200	3,800	7,400	43,000	--	98	--	--	--	--	<1.0	16	--	--
	02/23/96	4,800	3,000	3,400	7,700	46,000	--	96	--	--	--	--	<1.0	24	--	--
	01/12/99	2,600	970	2,900	5,700	39,000	800	--	--	--	--	--	--	--	--	--
	04/13/99	1,500	500	<50	4,000	29,000	520	--	--	--	--	--	--	--	--	--
	07/07/99	1,900	870	1,600	3,900	31,000	<250	--	--	--	--	--	--	--	--	--
	10/06/99	2,100	910	1,800	4,400	32,000	<250	a	--	--	--	--	--	--	--	--
	01/11/00	52	3.9	63	12	2,400	<5.0	a	--	--	--	--	--	--	--	--
	04/06/01	4,300	3,200	2,600	7,300	32,000	<10	a	--	--	--	--	--	--	--	--
	07/25/01	2,300	1,300	2,500	6,200	24,000	<25	a	--	--	--	--	--	--	--	--
	11/20/01	2,100	890	2,500	3,600	33,000	<100	a	--	--	--	--	--	--	--	--
	01/23/02	2,400	1,400	2,500	5,900	28,000	350	--	--	--	--	--	--	--	--	--
	04/26/02	3,200	2,400	2,700	6,300	39,000	2,800	--	--	--	--	--	--	--	--	--
	07/25/02	2,300	1,300	2,500	4,700	26,000	<500	--	--	--	--	--	--	--	--	--
10/22/02	2,800	1,300	4,300	8,600	42,000	<10	<50	<50	<50	<100	<50	<50	--	--	--	
01/27/03	1,600	660	2,100	3,100	20,000	<20	<100	<100	<100	<200	<100	<100	--	--	--	
10/22/03	b	2,000	800	1,600	2,800	22,000	<20	<20	<20	<200	<40	<20	--	--	<1,000	
MW-2	01/12/99	1.5	<0.50	<0.50	<0.50	<50	2,900	--	--	--	--	--	--	--	--	--
	04/13/99	0.76	<0.50	<0.50	<0.50	<50	3,800	--	--	--	--	--	--	--	--	--
	07/07/99	<25	<25	<25	<25	<2,500	7,000	a	--	--	--	--	--	--	--	--
	10/06/99	73	<25	<25	<25	2,800	300	a	--	--	--	--	--	--	--	--
	01/11/00	890	<100	<100	<100	11,000	8,400	a	--	--	--	--	--	--	--	--
	04/06/01	210	<25	<25	<25	2,800	3,800	a	--	--	--	--	--	--	--	--
	07/25/01	250	<12.5	<12.5	<12.5	3,400	4,200	a	--	--	--	--	--	--	--	--
	11/20/01	870	<100	<100	200	12,000	8,700	--	--	--	--	--	--	--	--	--
	01/23/02	100	<25	<25	<25	3,900	3,300	--	--	--	--	--	--	--	--	--
	04/26/02	13	<0.50	<0.50	<1.5	90	6,900	--	--	--	--	--	--	--	--	--
	07/25/02	<50	<50	<50	<100	<5,000	6,600	--	--	--	--	--	--	--	--	--
	10/22/02	<5.0	<5.0	<5.0	<10	7,800	7,000	<250	<250	<250	<500	<250	<250	--	--	--
	01/27/03	90	100	60	78	6,100	6,400	<250	<250	<250	<500	<250	<250	--	--	--
10/22/03	b	<10	<10	<10	<20	2,000	g	3,000	<10	<10	<10	<100	<20	<10	<500	
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	--	--	--	--	--	--	--
	01/12/99	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	04/13/99	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	07/07/99	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	10/06/99	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	01/11/00	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	04/06/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	07/25/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	11/20/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	01/23/02	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	04/26/02	<0.50	<0.50	<0.50	<1.5	<50	<5.0	--	--	--	--	--	--	--	--	--
	07/25/02	<0.50	<0.50	<0.50	<1.0	<50	<5.0	--	--	--	--	--	--	--	--	--
	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	--	--	--
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	--	--	--	
10/22/03	b	<0.50	<0.50	<0.50	<1.0	53	g	<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	--	--	--	--	--	--	
	10/03/03	b	<0.50	0.97	0.63	1.4	<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	--	--	--	--	--	--	
	10/03/03	b	4,400	1,700	820	2,900	21,000	<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	--	--	--	--	--	--	
	12/22/94	5,400	2,700	3,100	6,800	24,000	--	<1.0	--	--	--	--	<1.0	--	--	
	03/24/95	4,900	530	270	380	10,000	--	<2.0	--	--	--	--	<2.0	<3.0	--	
	06/29/95	12,000	6,600	1,000	3,000	28,000	--	<1.0	--	--	--	--	<1.0	4.2	--	
	09/29/95	19,000	5,200	1,500	4,000	47,000	--	<1.0	--	--	--	--	<1.0	3.3	--	
	02/23/96	13,000	5,200	1,100	2,770	25,000	--	<1.0	--	--	--	--	<1.0	5.2	--	
	01/12/99	9,900	4,100	1,000	4,000	29,000	210	--	--	--	--	--	--	--	--	
	04/13/99	0.70	<0.50	<0.50	0.62	<50	22	--	--	--	--	--	--	--	--	
	07/07/99	13	<0.50	<0.50	2.2	55	8.1	a	--	--	--	--	--	--	--	--

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	
	10/06/99	0.59	<0.50	<0.50	<0.50	<50	<5	--	--	--	--	--	--	--	--	--
	01/11/00	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	04/06/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	07/25/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	11/20/01	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	01/23/02	<0.50	<0.50	<0.50	<0.50	<50	<5.0	--	--	--	--	--	--	--	--	--
	04/26/02	<0.50	<0.50	<0.50	<1.5	<50	<5.0	--	--	--	--	--	--	--	--	--
	07/25/02	0.60	<0.50	<0.50	<1	<50	<5.0	--	--	--	--	--	--	--	--	--
	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	--	--	--
	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	--	--	--
	10/22/03	b <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	--	--	--	--	--	--	--
	12/22/94	49,000	33,000	7,300	28,000	210,000	--	<1.0	--	--	--	--	--	<1.0	--	--
	03/24/95	13,000	7,000	1,500	5,600	56,000	--	<2.0	--	--	--	--	--	<2.0	<3.0	--
	06/29/95	39,000	8,100	3,000	8,300	100,000	--	<1.0	--	--	--	--	--	<1.0	3.5	--
	09/29/95	32,000	8,700	2,900	8,600	74,000	--	<1.0	--	--	--	--	--	<1.0	3.5	--
	02/23/96	22,000	8,400	2,700	6,900	50,000	--	<5.0	--	--	--	--	--	<5.0	3.8	--
	01/12/99	7,300	670	2,700	960	29,000	<100	--	--	--	--	--	--	--	--	--
	04/13/99	4,500	1,800	180	8,200	54,000	1,200	--	--	--	--	--	--	--	--	--
	07/07/99	8,000	4,500	1,200	3,500	42,000	2,200	a	--	--	--	--	--	--	--	--
	10/06/99	9,700	1,600	1,600	2,100	29,000	580	a	--	--	--	--	--	--	--	--
	01/11/00	8,500	7,100	1,600	6,700	52,000	2,600	a	--	--	--	--	--	--	--	--
	04/06/01	4,800	1,800	2,200	3,400	22,000	690	a	--	--	--	--	--	--	--	--
	07/25/01	5,100	660	1,400	2,100	20,000	1,100	a	--	--	--	--	--	--	--	--
	11/20/01	6,400	1,100	1,000	2,400	26,000	1,600	--	--	--	--	--	--	--	--	--
	01/23/02	5,100	510	2,200	3,900	25,000	1,200	--	--	--	--	--	--	--	--	--
	04/26/02	4,400	1,300	2,900	2,370	29,000	1,600	--	--	--	--	--	--	--	--	--
	07/25/02	4,900	470	1,600	1,700	21,000	1,900	--	--	--	--	--	--	--	--	--
	10/22/02	6,700	410	1,100	1,500	31,000	1,700	a	<100	<100	<100	<200	<100	<100	--	--
	01/27/03	2,700	710	1,900	1,100	17,000	680	<100	<100	<100	<200	<100	<100	--	--	--
	10/22/03	b 2,900	130	310	370	13,000	660	<13	<13	<13	<130	<25	<13	--	--	<630

Notes:

TPHg - Total Petroleum Hydrocarbons as gasoline

MTBE - Methyl tert-butyl ether

DCA - Dichloroethane

EDB - Ethylene dibromide

TAME - Tert-amyl methyl ether

TBA - Tert-butyl alcohol

DIPE - Di-isopropyle ether

ETBE - Ethyl tert-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.



TABLE 3 GROUNDWATER MONITORING SCHEDULE  
 FORMER COX CADILLAC, 230 BAY PLACE, OAKLAND, CALIFORNIA

Well Number	Groundwater Gauging Frequency	Groundwater Sampling and Analysis Frequency		
		BTEX	MTBE	TPH-g
MW1	Q	Q	Q	Q
MW2	Q	Q	Q	Q
TW2	Q	Q	Q	Q
TW4	Q	Q	Q	Q
TW5	Q	Q	Q	Q
TW6	Q	Q	Q	Q
TW7	Q	Q	Q	Q

Notes:

Q = Quarterly.

BTEX = Benzene, toluene, ethylbenzene, total xylenes.

TPH-g = Total Petroleum Hydrocarbons as gasoline.

MTBE = Methyl tertiary butyl ether.

**Appendix A**  
**Field Protocols**

## **PROTOCOLS FOR QUARTERLY GROUNDWATER MONITORING**

### **GROUNDWATER GAUGING**

Wells are opened prior to gauging to allow the groundwater level in the wells to equilibrate with atmospheric pressure. The depth to groundwater and depth to liquid-phase hydrocarbons, if present, are then measured to the nearest 0.01 feet using an electronic water level meter or optical interface probe. The measurements are made from a permanent reference point at the top of the well casing. If less than 1 foot of water is measured in a well, the water is bailed from the well and, if the well does not recover, the well is considered "functionally dry." Wells with a sheen or measurable liquid-phase hydrocarbons are generally not purged or sampled.

### **WELL PURGING**

After the wells are gauged, each well is purged of approximately 3 well casing volumes of water to provide representative groundwater samples for analysis. Field parameters of pH, temperature, and electrical conductance are measured during purging to ensure that these parameters have stabilized before groundwater in a well is sampled. Groundwater in each well is purged using an inertial pump (WaTerra), an electric submersible pump, or a bailer. After the well is purged, the water level is checked to ensure that the well has recharged to at least 80 percent of its original water level.

### **GROUNDWATER SAMPLING**

After purging, groundwater in each well is sampled using dedicated tubing and an inertial pump (WaTerra) or a factory-cleaned disposable bailer. Samples from extraction wells are typically collected from sample ports associated with the groundwater remediation system. Samples collected for volatile organic analysis are placed in Teflon septum-sealed 40-milliliter glass vials. Samples collected for diesel analysis are placed in 1-liter amber glass bottles. Each sample bottle is labeled with the site name, well number, date, sampler's initials, and preservative. The samples are placed in a cooler with ice for delivery to a state-certified laboratory. The information for each sample is entered on a chain-of-custody form prior to transport to the laboratory.

**Appendix B**  
**Field Documents**

## MONITORING WELL DATA FORM

Client: COX CADILLAC	Date: 10/3/03
Project Number: TMCOX1.1	Station Number: COX CADILLIC
Site Location: 230 BAY PLACE, OAKLAND, CA.	Samplers: PP

MONITORING WELL NUMBER	DEPTH TO WATER (TOC)	DEPTH TO PRODUCT (TOC)	APPARENT PRODUCT THICKNESS	AMOUNT OF PRODUCT REMOVED	MONITORING WELL INTEGRITY	DEPTH TO BOTTOM (TOC)	GENERAL FIELD COMMENTS
TW2	1.92					7.92 7.81	2"
TW4	2.72					8.79 8.71	2"
TW5	3.73					7.75 7.66	2"
TW6	8.85					7.89 7.78	2"
TW7	5.80					9.95 9.88	2"
MW1	2.81					20.17 20.1	2"
MW2	6.04					20.05 19.95	2"



## GROUNDWATER PURGE AND SAMPLE

Project Name: COX CADILLAC , 230 BAY PLACE , OAKLAND Well No: TW4 Date: 10/3/03  
 Project No: TMC0X1.1 Personnel: PATRICK P

**GAUGING DATA** 1P  
 Water Level Measuring Method: WATER LEVEL METER Measuring Point Description:

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	8.79	2.72	6.07	1	2	4	6	.97	9.71
			0.04	0.16	0.64	1.44			

**PURGING DATA**  
 Purge Method: WATERRA Purge Depth: \_\_\_\_\_ Purge Rate: \_\_\_\_\_ (gpm)

Time	10:34	10:36	10:40	10:42	10:49	
Volume Purge (Gal)	1	2	3	4	5	6
Temperature (C)	23.6	24.8	24.8	24.4	23.4	
pH	7.02	6.81	6.55	6.64	7.06	
Spec Cond. (umhos)	3711	3875	6962	8623	9455	
Turbidity/Color	SILTY GREY	SILTY GREY	SILTY GREY	SILTY GREY	SILTY GREY	
Odor (ON)	N	N	N	N	N	
Casing Volumes	-	-	-	-	-	
Dewatered (Y/N)	N	N	N	N	N	

Comments/Observations: DEWATERED @ 5 gal. / RECHARGED & SAMPLED

**SAMPLING DATA**  
 Time Sampled: 11:00 Approximate Depth to Water During Sampling: \_\_\_\_\_ (feet)

Comments: \_\_\_\_\_

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (ml or L)	Turbidity/Color	Analysis Method
TW4	6	VOA	HCL	40ml	/	
					/	
					/	

Total Purge Volume: 5 (gallons) Disposal: \_\_\_\_\_

Weather Conditions: OK

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction: cap broken

Problems Encountered During Purging and Sampling: DEWATERED @ 5 gal

Comments: \_\_\_\_\_

## GROUNDWATER PURGE AND SAMPLE

Project Name: COX CADILLAC , 230 BAY PLACE , OAKLAND Well No: TWS Date: 10/3/03  
 Project No: TMC0X1.1 Personnel: PATRICK P

**GAUGING DATA** 1P  
 Water Level Measuring Method: ~~WATER LEVEL METER~~ Measuring Point Description:  

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
		7.75	3.73	4.02	1	2	4	6	64
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: WATERRA Purge Depth: Purge Rate: (gpm)

Time	1	2	3	4	5	6
Volume Purge (gals)	1	2				
Temperature (C)	23.1	22.2				
pH	8.25	8.26				
Spec Cond (umhos)	1205	1123				
Turbidity/Color	SLTRY 64K	SLTRY 64K				
Odor (Y/N)	Y	Y				
Casing Volumes	-	-				
Deaerated (Y/N)	N	N				

Comments/Observations: DEAERATED @ 2 1/2 gal / RECHARGED & SAMPLED

**SAMPLING DATA**

Time Sampled: 12:00 Approximate Depth to Water During Sampling: (feet)  
 Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<u>TWS</u>	<u>6</u>	<u>VOA</u>	<u>HCL</u>	<u>40ml</u>		

Total Purge Volume: 2.5 (gallons) Disposal:  
 Weather Conditions: OK  
 Condition of Well Box and Casing at Time of Sampling: OK  
 Well Head Conditions Requiring Correction: CAP BROKEN  
 Problems Encountered During Purging and Sampling: DEAERATED @ 2 1/2 gal  
 Comments:



Engineering, Inc.

# MONITORING WELL DATA FORM

Client: Exxon Cox Cadillac

Date: 10/22/03

Project Number: TMCOX.9

Station Number: COX

Site Location:  
230 Bay Place, Oakland

Samplers: *PP*

MONITORING WELL NUMBER	DEPTH TO WATER (TOC) ft.	DEPTH TO PRODUCT (TOC)	APPARENT PRODUCT THICKNESS	AMOUNT OF PRODUCT REMOVED	Well Completion Depth	DEPTH TO BOTTOM (TOC) ft.	WELL CASING DIAMETER in.
------------------------	--------------------------	------------------------	----------------------------	---------------------------	-----------------------	---------------------------	--------------------------

MW-1	2.97					20.18	2"
MW-2	6.08					20.04	2"
TW-2	1.87					7.92	2"
TW-6	5.97					7.89	2"
TW-7	5.91					9.97	2"

### Measure DTB and BTW



**GROUNDWATER PURGE AND SAMPLE**

Project Name: Cox Cadillac Well No: MW1 Date: 10/22/03  
 Project No: TMC0X.9 Personnel: PP

**GAUGING DATA**  
 Water Level Measuring Method: Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)				
	20.18	-	2.97	=	17.21	X	1	2	4	6	2.75	=	8.26
							0.04	0.16	0.64	1.44			

**PURGING DATA**  
 Purge Method: Waterra

Time	10:06	10:09	10:12			
Volume Purge (gal)	3	6	9			
Temperature (C)	20.2	20.4	19.8			
pH	6.74	6.53	6.57			
Spec. Cond. (umhos)	3571	3292	3643			
Turbidity/Color	SILTY / BRN	SILTY / CLAY	SILTY / CLAY			
Odor (Y/N)	Y	Y	Y			
Dewatered (Y/N)	N	N	N			

Comments/Observations: 0

**SAMPLING DATA**  
 Time Sampled: 10:15 Approximate Depth to Water During Sampling: (feet)  
 Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW1	6	VOA	HCL	40ml		TPH-g, BTEX, MTBE

Total Purge Volume: 9 (gallons) Disposal: ROMIC  
 Weather Conditions: cloudy  
 Condition of Well Box and Casing at Time of Sampling: ~~NO~~ NO BELTS (3X)  
 Well Head Conditions Requiring Correction: NONE  
 Problems Encountered During Purging and Sampling: NONE  
 Comments:

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Cox Cadillac Well No: MW2 Date: 10/22/02  
 Project No: TMC0X.9 Personnel: PP

**GAUGING DATA**  
 Water Level Measuring Method: Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)
	20.04	6.08	13.96	1 2 4 6 0.04 0.16 0.64 1.44	2.23	6.70

**PURGING DATA**  
 Purge Method: Waterra

Time	11:23	11:24	11:25			
Volume Purge (gal)	2	4	6			
Temperature (C)	20.7	21.6	21.4			
pH	6.40	6.41	6.35			
Spec. Cond. (umhos)	4158	4499	4470			
Turbidity/Color	SWM/6PN	SWM/6PN	SWM/6PN			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observations: 0

**SAMPLING DATA**  
 Time Sampled: 11:30 Approximate Depth to Water During Sampling: (feet)  
 Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW2	6	VOA	HCL	40ml		TPH-g, BTEX, MTBE

Total Purge Volume: 6 (gallons) Disposal: ROMIC  
 Weather Conditions: cloudy  
 Condition of Well Box and Casing at Time of Sampling: OK  
 Well Head Conditions Requiring Correction: NONE  
 Problems Encountered During Purging and Sampling: NONE  
 Comments:

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Cox Cadillac Well No: TW2 Date: 10/22/03  
 Project No: TMCOX.9 Personnel: *JP*

**GAUGING DATA**

Water Level Measuring Method:

Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)				
	7.92	-	1.87	=	6.05	X	1	2	4	6	-	96	=
						0.04	0.16	0.64	1.44				

**PURGING DATA**

Purge Method: Waterra

Time	9:34	9:35	9:36			
Volume Purge (gal)	1	2	3			
Temperature (C)	20.2	20.5	20.7			
pH	6.55	6.32	6.57			
Spec Cond. (umhos)	5144	5476	5421			
Turbidity/Color	SUTY/6PN	SUTY/6PN	SUTY/6PN			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observations: 0

**SAMPLING DATA**

Time Sampled: 9:40 Approximate Depth to Water During Sampling: (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
TW2	6	VOA	HCL	40ml	/	TPH-g, BTEX, MTBE
					/	
					/	
					/	

Total Purge Volume: 3 (gallons) Disposal: ROMIC

Weather Conditions: CLOUDY

Condition of Well Box and Casing at Time of Sampling: NO LID & NO BOLTS

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: NONE

Comments: 10 FT WATERRA TUBING & 1 CHECK VALVE USED

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Cox Cadillac Well No: *TW6* Date: *10/22/03*  
 Project No: TMCOX.9 Personnel: *PP*

**GAUGING DATA**

Water Level Measuring Method:

Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
	7.89	5.97	1.92	1	2	4	6	.30	.92
				0.04	0.16	0.64	1.44		

**PURGING DATA**

Purge Method: ~~WATER~~ *BAUER*

Time	10:47	10:49	10:51			
Volume Purge (gal)	<i>.30</i>	<i>.60</i>	<i>.90</i>			
Temperature (C)	<i>20.8</i>	<i>21.4</i>	<i>21.5</i>			
pH	<i>7.13</i>	<i>6.83</i>	<i>6.75</i>			
Spec. Cond. (umhos)	<i>513.5</i>	<i>496.4</i>	<i>494.3</i>			
Turbidity/Color	<i>SMY/BRN</i>	<i>SMY/BRN</i>	<i>SMY/BRN</i>			
Odor (Y/N)	<i>N</i>	<i>N</i>	<i>N</i>			
Dewatered (Y/N)	<i>N</i>	<i>N</i>	<i>N</i>			

Comments/Observations: *0*

**SAMPLING DATA**

Time Sampled: *10:55* Approximate Depth to Water During Sampling: (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
<i>TW6</i>	<i>6</i>	<i>VOA</i>	<i>HCL</i>	<i>40ml</i>		<i>TPH-g, BTEX, MTBE</i>

Total Purge Volume: *.90* (gallons) Disposal: *ROMIC*

Weather Conditions: *cloudy*

Condition of Well Box and Casing at Time of Sampling: *OK*

Well Head Conditions Requiring Correction: *NONE*

Problems Encountered During Purging and Sampling: *NONE*

Comments: *1 BAUER USED*

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Cox Cadillac Well No: TW7 Date: 10/22/03  
 Project No: TMC0X.9 Personnel: JP

**GAUGING DATA**  
 Water Level Measuring Method: Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)
		9.97	5.91	4.06	1	2	4	6	.64
				0.04	0.16	0.64	1.44		

**PURGING DATA**  
 Purge Method: ~~Water~~ BAUER

Time	11:49	11:52	11:55			
Volume Purge (gal)	1	2	3			
Temperature (C)	21.9	21.9	22.0			
pH	6.41	6.38	6.51			
Spec. Cond. (umhos)	900.5	883.2	877.1			
Turbidity/Color	SILTY/BRN	SILTY/BRN	SILTY/BRN			
Odor (Y/N)	Y	Y	Y			
Dewatered (Y/N)	N	N	N			

Comments/Observations: 0

**SAMPLING DATA**  
 Time Sampled: 12:00 Approximate Depth to Water During Sampling: (feet)  
 Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
TW7	6	VOA	HCL	40ml		TPH-g, BTEX, MTBE

Total Purge Volume: 3 (gallons) Disposal: ROMIC  
 Weather Conditions: CLOUDY  
 Condition of Well Box and Casing at Time of Sampling: OK  
 Well Head Conditions Requiring Correction: NONE  
 Problems Encountered During Purging and Sampling: NONE  
 Comments: 1 BAUER used

MONITORING WELL DATA FORM

Client: Exxon Cox Cadillac  
 Project Number: TMCOX.9  
 Site Location:  
 230 Bay Place, Oakland

Date: 12/22/03  
 Station Number: COX  
 Samplers: AF

MONITORING WELL NUMBER	DEPTH TO WATER (TOC) ft.	DEPTH TO PRODUCT (TOC)	APPARENT PRODUCT THICKNESS	AMOUNT OF PRODUCT REMOVED	Well Completion Depth	DEPTH TO BOTTOM (TOC) ft.	WELL CASING DIAMETER in.
MW-1	2.97					20.18	2"
MW-2	6.08					20.04	2"
TW-2	1.87					7.92	2"
TW-6	5.97					7.89	2"
TW-7	5.91					9.97	2"
<b>Measure DTB and BTW</b>							



Engineering, Inc.

### GROUNDWATER PURGE AND SAMPLE

Project Name: Cox Cadillac	Well No: MW1	Date: 10/22/03
Project No: TMCOX.9	Personnel: PP	

#### GAUGING DATA

Water Level Measuring Method:

Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)			
	20.18	-	2.97	=	17.21	X	1	2	4	6	2.75	=
						0.04	0.19	0.64	1.44			

#### PURGING DATA

Purge Method: Waterra

Time	10:06	10:09	10:12			
Volume Purge (gal)	3	6	9			
Temperature (C)	20.2	20.4	19.8			
pH	6.76	6.53	6.57			
Spec. Cond. (umhos)	3571	3292	3643			
Turbidity/Color	SMTY / 160	SMTY / 60	SMTY / 60			
Odor (Y/N)	Y	Y	Y			
Dewatered (Y/N)	N	N	N			

Comments/Observations: 0

#### SAMPLING DATA

Time Sampled: 10:15

Approximate Depth to Water During Sampling: (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW1	6	VOA	HCL	40ml		TPH-g, BTEX, MTBE

Total Purge Volume: 9 (gallons) Disposal: ROMIC

Weather Conditions: cloudy

Condition of Well Box and Casing at Time of Sampling: NO BELTS (3x)

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: NONE

Comments:



Engineering, Inc.

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Cox Cadillac Well No: MW2 Date: 10/22/02  
 Project No: TMC0X.9 Personnel: PP

**GAUGING DATA**

Water Level Measuring Method:

Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)
	20.04	6.08	13.96	1 2 4 6 0.04 0.16 0.64 1.44		2.23
	20.04 - 6.08 = 13.96		13.96 X 2 = 27.92			27.92 - 25.70 = 2.23

**PURGING DATA**

Purge Method: Waterra

Time	11:23	11:24	11:25			
Volume Purge (gal)	2	4	6			
Temperature (C)	20.7	21.0	21.4			
pH	6.40	6.41	6.35			
Spec. Cond. (umhos)	4158	4499	4470			
Turbidity/Color	SUM/BAN	SUM/BAN	SUM/BAN			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observations: 0

**SAMPLING DATA**

Time Sampled: 11:30

Approximate Depth to Water During Sampling: (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
MW2	6	VOA	HCL	40ml		TPH-g, BTEX, MTBE

Total Purge Volume: 6 (gallons)

Disposal: ROMIC

Weather Conditions: cloudy

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: NONE

Comments:



**GROUNDWATER PURGE AND SAMPLE**

Project Name: Cox Cadillac Well No: TW2 Date: 10/22/02  
 Project No: TMC0X.9 Personnel: PP

**GAUGING DATA**  
 Water Level Measuring Method: Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)
	7.92	1.87	6.05	1 2 4 6 0.04 0.16 0.64 1.44	-96	2.88

**PURGING DATA**  
 Purge Method: Waterra

Time	9:34	9:35	9:36			
Volume Purge (gal)	1	2	3			
Temperature (C)	20.2	20.5	20.7			
pH	6.55	6.32	6.57			
Spec. Cond. (umhos)	5144	5476	5421			
Turbidity/Color	DU74/BAU	DU74/BAU	DU74/BAU			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observations: 0

**SAMPLING DATA**  
 Time Sampled: 9:40 Approximate Depth to Water During Sampling: (feet)  
 Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
TW2	6	VOA	HCL	40ml		TPH-g, BTEX, MTBE

Total Purge Volume: 3 (gallons) Disposal: ROMIC  
 Weather Conditions: Cloudy  
 Condition of Well Box and Casing at Time of Sampling: NO LID & NO BOLTS  
 Well Head Conditions Requiring Correction: NONE  
 Problems Encountered During Purging and Sampling: NONE  
 Comments: 10 FT WATERPUMP TUBING & 1 CORREL VALVE USED

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Cox Cadillac Well No: TW6 Date: 10/22/03  
 Project No: TMCOX.9 Personnel: PP

**GAUGING DATA**

Water Level Measuring Method:

Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter				Casing Volume (gal)	Total Purge Volume (gal)			
	7.89	-	5.97	=	1.92	X	1	2	4	8	.30	=
						0.04	0.16	0.64	1.44			

**PURGING DATA**

Purge Method: ~~Water~~ BAUER

Time	10:47	10:49	10:51			
Volume Purge (gal)	-30	.60	.90			
Temperature (C)	20.8	21.4	21.5			
pH	7.13	6.83	6.75			
Spec. Cond. (umhos)	513.5	496.4	494.3			
Turbidity/Color	SILTY/BRN	SILTY/BRN	SILTY/BRN			
Odor (Y/N)	N	N	N			
Dewatered (Y/N)	N	N	N			

Comments/Observations: 0

**SAMPLING DATA**

Time Sampled: 10:55 Approximate Depth to Water During Sampling: (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
TW6	6	VOA	HCL	40ml		TPH-g, BTEX, MTBE

Total Purge Volume: .90 (gallons) Disposal: ROMIC

Weather Conditions: CLOUDY

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: NONE

Comments: 1 BAUER USED



Engineering, Inc.

**GROUNDWATER PURGE AND SAMPLE**

Project Name: Cox Cadillac Well No: TW7 Date: 10/22/03  
 Project No: TMCOX.9 Personnel: JP

**GAUGING DATA**

Water Level Measuring Method: Measuring Point Description: TOC

WELL PURGE VOLUME CALCULATION	Total Depth (feet)	Depth to Water (feet)	Water Column (feet)	Multiplier for Casing Diameter	Casing Volume (gal)	Total Purge Volume (gal)
	9.97	5.91	4.06	1 2 4 6 0.04 0.16 0.64 1.44	.64	1.94

**PURGING DATA**

Purge Method: ~~Water~~ BALER

Time	11:49	11:52	11:55		
Volume Purge (gal)	1	2	3		
Temperature (C)	21.9	21.9	22.0		
pH	6.41	6.38	6.51		
Spec. Cond. (umhos)	900.5	883.2	817.1		
Turbidity/Color	5.0/160	5.0/160	5.0/160		
Odor (Y/N)	Y	Y	Y		
Dewatered (Y/N)	N	N	N		

Comments/Observations: 0

**SAMPLING DATA**

Time Sampled: 12:00 Approximate Depth to Water During Sampling: (feet)

Comments:

Sample Number	Number of Containers	Container Type	Perservative	Volume Filled (mL or L)	Turbidity/ Color	Analysis Method
TW7	6	VOA	HCL	40ml		TPH-g, BTEX, MTBE

Total Purge Volume: 3 (gallons) Disposal: ROMIC

Weather Conditions: CLOUDY

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction: NONE

Problems Encountered During Purging and Sampling: NONE

Comments: 1 BALER USED

## **Appendix C**

### **Laboratory Analytical Reports**

ETIC Oakland

October 14, 2003

1333 Broadway, Suite 1015  
Oakland, CA 94612

Attn.: Luis Fraticelli

Project#: TMC0X.1.1

Project: Cox Cadillac

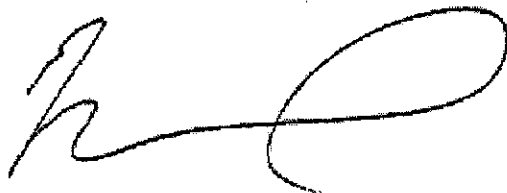
Attached is our report for your samples received on 10/03/2003 16:35  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
11/17/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

You can also contact me via email. My email address is: [vvancil@stl-inc.com](mailto:vvancil@stl-inc.com)

Sincerely,



Vincent Vancil  
Project Manager

RECEIVED

OCT 30 2003

ETIC ENGINEERING

**Fuel Oxygenates by 8260B**

ETIC Oakland  
Attn.: Luis Fraticelli  
  
1333 Broadway, Suite 1015  
Oakland, CA 94612  
Phone: (510) 208-1600 Fax: (510) 208-1604  
  
Project: TMC0X.1.1  
Cox Cadillac

Received: 10/03/2003 16:35

**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
TW4	10/03/2003 11:00	Water	1
TW5	10/03/2003 12:00	Water	2

Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.1.1

Cox Cadillac

Received: 10/03/2003 16:35

Prep(s): 5030B Test(s): 8260B  
 Sample ID: TW4 Lab ID: 2003-10-0185 - 1  
 Sampled: 10/03/2003 11:00 Extracted: 10/10/2003 04:16  
 Matrix: Water QC Batch#: 2003/10/09-02.65

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/10/2003 04:16	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/10/2003 04:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/10/2003 04:16	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/10/2003 04:16	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/10/2003 04:16	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/10/2003 04:16	
1,2-DCA	ND	0.50	ug/L	1.00	10/10/2003 04:16	
EDB	ND	0.50	ug/L	1.00	10/10/2003 04:16	
Benzene	ND	0.50	ug/L	1.00	10/10/2003 04:16	
Toluene	0.97	0.50	ug/L	1.00	10/10/2003 04:16	
Ethylbenzene	0.63	0.50	ug/L	1.00	10/10/2003 04:16	
Total xylenes	1.4	1.0	ug/L	1.00	10/10/2003 04:16	
Ethanol	ND	25	ug/L	1.00	10/10/2003 04:16	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	95.7	76-114	%	1.00	10/10/2003 04:16	
Toluene-d8	99.5	88-110	%	1.00	10/10/2003 04:16	

Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMCOX.1.1

Cox Cadillac

Received: 10/03/2003 16:35

Prep(s): 5030B Test(s): 8260B  
 Sample ID: TW5 Lab ID: 2003-10-0185 - 2  
 Sampled: 10/03/2003 12:00 Extracted: 10/10/2003 04:39  
 Matrix: Water QC Batch#: 2003/10/09-02.65  
 Analysis Flag: 0 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	21000	10000	ug/L	200.00	10/10/2003 04:39	
tert-Butyl alcohol (TBA)	ND	1000	ug/L	200.00	10/10/2003 04:39	
Methyl tert-butyl ether (MTBE)	ND	100	ug/L	200.00	10/10/2003 04:39	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	200.00	10/10/2003 04:39	
Ethyl tert-butyl ether (ETBE)	ND	100	ug/L	200.00	10/10/2003 04:39	
tert-Amyl methyl ether (TAME)	ND	100	ug/L	200.00	10/10/2003 04:39	
1,2-DCA	ND	100	ug/L	200.00	10/10/2003 04:39	
EDB	ND	100	ug/L	200.00	10/10/2003 04:39	
Benzene	4400	100	ug/L	200.00	10/10/2003 04:39	
Toluene	1700	100	ug/L	200.00	10/10/2003 04:39	
Ethylbenzene	820	100	ug/L	200.00	10/10/2003 04:39	
Total xylenes	2900	200	ug/L	200.00	10/10/2003 04:39	
Ethanol	ND	5000	ug/L	200.00	10/10/2003 04:39	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	99.3	76-114	%	200.00	10/10/2003 04:39	
Toluene-d8	106.7	88-110	%	200.00	10/10/2003 04:39	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/10/2003 14:51



**Fuel Oxygenates by 8260B**

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.1.1

Cox Cadillac

Received: 10/03/2003 16:35

**Batch QC Report**

Prep(s): 5030B

Method Blank

MB: 2003/10/09-02.65-048

Water

Test(s): 8260B

QC Batch # 2003/10/09-02.65

Date Extracted: 10/09/2003 20:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/09/2003 20:48	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/09/2003 20:48	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/09/2003 20:48	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	10/09/2003 20:48	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/09/2003 20:48	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/09/2003 20:48	
1,2-DCA	ND	0.5	ug/L	10/09/2003 20:48	
EDB	ND	0.5	ug/L	10/09/2003 20:48	
Benzene	ND	0.5	ug/L	10/09/2003 20:48	
Toluene	ND	0.5	ug/L	10/09/2003 20:48	
Ethylbenzene	ND	0.5	ug/L	10/09/2003 20:48	
Total xylenes	ND	1.0	ug/L	10/09/2003 20:48	
Ethanol	ND	25	ug/L	10/09/2003 20:48	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	90.6	76-114	%	10/09/2003 20:48	
Toluene-d8	104.9	88-110	%	10/09/2003 20:48	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2498

10/10/2003 14:51

**Fuel Oxygenates by 8260B**

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.1.1

Cox Cadillac

Received: 10/03/2003 16:35

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2003/10/09-02.65

LCS 2003/10/09-02.65-049

Extracted: 10/09/2003

Analyzed: 10/09/2003 20:02

LCSD

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.6		25.0	86.4			65-165	20		
Benzene	22.6		25.0	90.4			69-129	20		
Toluene	24.0		25.0	96.0			70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	454		500	90.8			76-114	0		
Toluene-d8	492		500	98.4			88-110	0		

Severn Trent Laboratories, Inc.

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Tel 925 484 1919 Fax 925 484 1086 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/10/2003 14:51

Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.1.1

Cox Cadillac

Received: 10/03/2003 16:35

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike ( MS / MSD )

Water

QC Batch # 2003/10/09-02.65

S-17 >> MS

Lab ID: 2003-10-0165 - 003

MS: 2003/10/09-02.65-002

Extracted: 10/10/2003

Analyzed: 10/10/2003 02:02

Dilution: 1.00

MSD: 2003/10/09-02.65-024

Extracted: 10/10/2003

Analyzed: 10/10/2003 02:24

Dilution: 1.00

Compound	Conc. ug/L		Spk.Level	Recovery %			Limits %		Flags		
	MS	MSD		Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	22.6	20.5	ND	25.0	90.4	82.0	9.7	65-165	20		
Benzene	24.6	23.2	ND	25.0	98.4	92.8	5.9	69-129	20		
Toluene	27.1	24.5	ND	25.0	108.4	98.0	10.1	70-130	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	442	446		500	88.4	89.2		76-114			
Toluene-d8	530	524		500	106.1	104.7		88-110			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/10/2003 14:51

Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.1.1

Cox Cadillac

Received: 10/03/2003 16:35

---

Legend and Notes

---

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/10/2003 14:51



**STL**  
Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756  
Phone: (925) 484-1919 • Fax: (925) 484-1096  
Email: info@chromalab.com

Reference #: 78098

**2003-10-0185**

Date 10/3/03 Page 1 of 1

From		Analysis Request												Number of Containers					
Proj.Mgr	Luis Fraticelli	TPH (EPA 8015, 8220/8021) (Gas vs) BTEX MTBE	Purgeable Aromatics BTEX (EPA 8220/8021)	TEPH (EPA 8015M) <input type="checkbox"/> Sulfide Carb <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	Fluor. Organics (EPA 8220) <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Full Organics List <input type="checkbox"/> MTBE <input type="checkbox"/> BTEX	Purgeable Halocarbons (HYCC) (EPA 8210/8021)	Volatile Organics GC/MS (VOCs) (EPA 8260A/8260B)	Semivolatile GC/MS (EPA 8270)	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1654) <input type="checkbox"/> Total	Pesticides (EPA 8081) PCPs (EPA 8082)	PAHs: by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CA/MF Metals (EPA 8210/470/471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other		WET (STLC) TCLP	Hexavalent Chromium ppb (2-4h hold time for H <sub>2</sub> O)	Spill Card. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS	Anions <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>	TPH-g, BTEX, 6 fuel organics, 1,2-DCA, EDB, and ethanol by EPA Method 8260
Company	ETIC Engineering																		
Address	1333 Broadway, Suite 1015, OAKLAND, CA 94612																		
Sampler (Signature)	<i>[Signature]</i>																		
Phone (510) 268-1600	Fax/Email (510) 208-1804																		
Sample ID	Date	Time	Mst rk	Pres erv															
TW4	10/3	11:00																	6
TW5	10/3	12:00																	6

Project Info		Sample Receipt	
Project Name: Cox Cadillac	# of Containers:	Head Space:	Temp: 6.0°C
Project#: TMC0X #1	Temp: 6.0°C	Confirms to record:	
PO#:	Confirms to record:		
Credit Card#:	Confirms to record:		
T A T	Std 6 Day	72h	48h
	24h	Other	
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input checked="" type="checkbox"/> EDD			
Special Instructions / Comments:			
GLOBAL ID#			

1) Relinquished by:

*[Signature]* 13:10  
Signature Time  
PATRICK ACO 10/3/03  
Printed Name Date  
ETIC 10/3/03  
Company

1) Received by:

*[Signature]*  
Signature Time  
MUSA 1550  
Printed Name Date  
10-03-03  
Company STL S.F.

2) Relinquished by:

*[Signature]*  
Signature Time  
MUSA 1035  
Printed Name Date  
10-03-03  
Company STL S.F.

2) Received by:

*[Signature]*  
Signature Time  
MUSA 1550  
Printed Name Date  
10-03-03  
Company STL S.F.

3) Relinquished by:

*[Signature]*  
Signature Time  
MUSA 1035  
Printed Name Date  
10-03-03  
Company STL S.F.

3) Received by:

*[Signature]* 1635  
Signature Time  
M.VILLANUEVA 10/3/07  
Printed Name Date  
STL SF  
Company

**2003-10-0185**

From					Analysis Request															Number of Containers	
Proj.Mgr	Luis Fraticelli				TPH (EPA 8015, 8020/8021) Gas w/ BTEX MTBE	Purgeable Aromatics BTEX (EPA 8020/8021)	TEPH (EPA 8015M) <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	Fuel Oxygenates (8260B): <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Full Oxygenate List <input type="checkbox"/> MTBE <input type="checkbox"/> BTEX	Purgeable Halocarbons (HVOCS) (EPA 8010/8021)	Volatile Organics GC/MS (VOCs) (EPA 8260A/8260B)	Semivolatiles GC/MS (EPA 8270)	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	<input type="checkbox"/> Pesticides (EPA 8061) <input type="checkbox"/> PCBs (EPA 8082)	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	<input type="checkbox"/> W.E.T (STLC) <input type="checkbox"/> TCLP	<input type="checkbox"/> Hexavalent Chromium pH (24h hold time for H <sub>2</sub> O)	<input type="checkbox"/> Spec Cond. <input type="checkbox"/> Alkalinity TSS <input type="checkbox"/> TDS		Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>
Company	ETIC Engineering																			Address	
Sample ID	Date	Time	Mat rix	Pres erv.																	
TW4	10/3	11:00																			
TW5	10/3	12:20																		6	
																				6	

**Project Info**

Project Name: Cox Cadillac

Project#: TMCOX.21.1

PO#:

Credit Card#:

**Sample Receipt**

# of Containers: \_\_\_\_\_

Head Space: \_\_\_\_\_

Temp: 6.0°C

Conforms to record: \_\_\_\_\_

T A T Std 5 Day 72h 48h 24h Other

Report:  Routine  Level 2  Level 3  Level 4  EDD

Special Instructions / Comments:

GLOBAL ID#

1) Relinquished by:

Signature: [Signature] Time: 13:10

Printed Name: Patrick Nico Date: 10/3/03

Company: ETIC

3) Received by:

Signature: [Signature] Time: 15:50

Printed Name: MUSA Date: 10-03-03

Company: STL S.F

2) Relinquished by:

Signature: [Signature] Time: 16:35

Printed Name: MUSA Date: 10-03-03

Company: STL S.F

2) Received by:

Signature: \_\_\_\_\_ Time: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

3) Relinquished by:

Signature: \_\_\_\_\_ Time: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Date: \_\_\_\_\_

Company: \_\_\_\_\_

3) Received by:

Signature: [Signature] Time: 16:35

Printed Name: M.VILLANUEVA Date: 10/3/07

Company: STL SF

STL San Francisco

### Sample Receipt Checklist

Submission #: 2003- 10 - 0185

Checklist completed by: (initials) DSH Date: 10/06/03

Courier name:  STL San Francisco  Client \_\_\_\_\_

Custody seals intact on shipping container/samples

Yes \_\_\_ No \_\_\_ Not Present

Chain of custody present?

Yes  No \_\_\_

Chain of custody signed when relinquished and received?

Yes  No \_\_\_

Chain of custody agrees with sample labels?

Yes  No \_\_\_

Samples in proper container/bottle?

Yes  No \_\_\_

Sample containers intact?

Yes  No \_\_\_

Sufficient sample volume for indicated test?

Yes  No \_\_\_

All samples received within holding time?

Yes  No \_\_\_

Container/Temp Blank temperature in compliance ( $4^{\circ}C \pm 2$ )?

Temp 6.0 °C Yes  No \_\_\_

Ice Present Yes  No \_\_\_

Water - VOA vials have zero headspace?

No VOA vials submitted \_\_\_ Yes  No \_\_\_

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O))

Water - pH acceptable upon receipt?  Yes  No

pH adjusted- Preservative used:  HNO<sub>3</sub>  HCl  H<sub>2</sub>SO<sub>4</sub>  NaOH  ZnOAc -Lot #(s) \_\_\_\_\_

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:  
\_\_\_\_\_  
\_\_\_\_\_

#### Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) \_\_\_\_\_ Date: \_\_\_/\_\_\_/03

Client contacted:  Yes  No

Summary of discussion:  
\_\_\_\_\_  
\_\_\_\_\_

Corrective Action (per PM/Client):  
\_\_\_\_\_  
\_\_\_\_\_

ETIC Oakland

October 30, 2003

1333 Broadway, Suite 1015  
Oakland, CA 94612

Attn.: Luis Fraticelli

Project#: TMCOX.21.1

Project: Cox Cadillac

Attached is our report for your samples received on 10/23/2003 13:25  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after  
12/07/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,  
please call me at (925) 484-1919.

You can also contact me via email. My email address is: [vvancil@stl-inc.com](mailto:vvancil@stl-inc.com)

Sincerely,



Vincent Vancil  
Project Manager

RECEIVED  
NOV 04 2003  
ETIC ENGINEERING



Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.21.1

Cox Cadillac

Received: 10/23/2003 13:25

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW1	10/22/2003 10:15	Water	1
MW2	10/22/2003 11:30	Water	2
TW2	10/22/2003 09:40	Water	3
TW6	10/22/2003 10:55	Water	4
TW7	10/22/2003 12:00	Water	5

Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.21.1

Cox Cadillac

Received: 10/23/2003 13:25

Prep(s): 5030B Test(s): 8260B  
 Sample ID: MW1 Lab ID: 2003-10-0841 - 1  
 Sampled: 10/22/2003 10:15 Extracted: 10/29/2003 01:28  
 Matrix: Water QC Batch#: 2003/10/28-02.62  
 Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	22000	2000	ug/L	40.00	10/29/2003 01:28	
tert-Butyl alcohol (TBA)	ND	200	ug/L	40.00	10/29/2003 01:28	
Methyl tert-butyl ether (MTBE)	ND	20	ug/L	40.00	10/29/2003 01:28	
Di-isopropyl Ether (DIPE)	ND	40	ug/L	40.00	10/29/2003 01:28	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	40.00	10/29/2003 01:28	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	40.00	10/29/2003 01:28	
1,2-DCA	ND	20	ug/L	40.00	10/29/2003 01:28	
EDB	ND	20	ug/L	40.00	10/29/2003 01:28	
Benzene	2000	20	ug/L	40.00	10/29/2003 01:28	
Toluene	800	20	ug/L	40.00	10/29/2003 01:28	
Ethylbenzene	1600	20	ug/L	40.00	10/29/2003 01:28	
Total xylenes	2800	40	ug/L	40.00	10/29/2003 01:28	
Ethanol	ND	1000	ug/L	40.00	10/29/2003 01:28	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	104.3	76-114	%	40.00	10/29/2003 01:28	
Toluene-d8	93.8	88-110	%	40.00	10/29/2003 01:28	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/30/2003 10:27

Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.21.1

Cox Cadillac

Received: 10/23/2003 13:25

Prep(s): 5030B Test(s): 8260B  
 Sample ID: MW2 Lab ID: 2003-10-0841 - 2  
 Sampled: 10/22/2003 11:30 Extracted: 10/29/2003 01:51  
 Matrix: Water QC Batch#: 2003/10/28-02.62

Analysis Flag: o ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2000	1000	ug/L	20.00	10/29/2003 01:51	g
tert-Butyl alcohol (TBA)	ND	100	ug/L	20.00	10/29/2003 01:51	
Methyl tert-butyl ether (MTBE)	3000	10	ug/L	20.00	10/29/2003 01:51	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	20.00	10/29/2003 01:51	
Ethyl tert-butyl ether (ETBE)	ND	10	ug/L	20.00	10/29/2003 01:51	
tert-Amyl methyl ether (TAME)	ND	10	ug/L	20.00	10/29/2003 01:51	
1,2-DCA	ND	10	ug/L	20.00	10/29/2003 01:51	
EDB	ND	10	ug/L	20.00	10/29/2003 01:51	
Benzene	ND	10	ug/L	20.00	10/29/2003 01:51	
Toluene	ND	10	ug/L	20.00	10/29/2003 01:51	
Ethylbenzene	ND	10	ug/L	20.00	10/29/2003 01:51	
Total xylenes	ND	20	ug/L	20.00	10/29/2003 01:51	
Ethanol	ND	500	ug/L	20.00	10/29/2003 01:51	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	96.2	76-114	%	20.00	10/29/2003 01:51	
Toluene-d8	92.5	88-110	%	20.00	10/29/2003 01:51	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/30/2003 10:27

Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.21.1

Cox Cadillac

Received: 10/23/2003 13:25

Prep(s):	5030B	Test(s):	8260B
Sample ID:	TW2	Lab ID:	2003-10-0841 - 3
Sampled:	10/22/2003 09:40	Extracted:	10/29/2003 02:13
Matrix:	Water	QC Batch#:	2003/10/28-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	53	50	ug/L	1.00	10/29/2003 02:13	g
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/29/2003 02:13	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/29/2003 02:13	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/29/2003 02:13	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/29/2003 02:13	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/29/2003 02:13	
1,2-DCA	ND	0.50	ug/L	1.00	10/29/2003 02:13	
EDB	ND	0.50	ug/L	1.00	10/29/2003 02:13	
Benzene	ND	0.50	ug/L	1.00	10/29/2003 02:13	
Toluene	ND	0.50	ug/L	1.00	10/29/2003 02:13	
Ethylbenzene	ND	0.50	ug/L	1.00	10/29/2003 02:13	
Total xylenes	ND	1.0	ug/L	1.00	10/29/2003 02:13	
Ethanol	ND	25	ug/L	1.00	10/29/2003 02:13	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	101.3	76-114	%	1.00	10/29/2003 02:13	
Toluene-d8	92.7	88-110	%	1.00	10/29/2003 02:13	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94586

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/30/2003 10:27

## Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.21.1

Cox Cadillac

Received: 10/23/2003 13:25

Prep(s):	5030B	Test(s):	8260B
Sample ID:	TW6	Lab ID:	2003-10-0841 - 4
Sampled:	10/22/2003 10:55	Extracted:	10/29/2003 03:20
Matrix:	Water	QC Batch#:	2003/10/28-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	10/29/2003 03:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/29/2003 03:20	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/29/2003 03:20	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	10/29/2003 03:20	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	10/29/2003 03:20	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	10/29/2003 03:20	
1,2-DCA	ND	0.50	ug/L	1.00	10/29/2003 03:20	
EDB	ND	0.50	ug/L	1.00	10/29/2003 03:20	
Benzene	ND	0.50	ug/L	1.00	10/29/2003 03:20	
Toluene	ND	0.50	ug/L	1.00	10/29/2003 03:20	
Ethylbenzene	ND	0.50	ug/L	1.00	10/29/2003 03:20	
Total xylenes	ND	1.0	ug/L	1.00	10/29/2003 03:20	
Ethanol	ND	25	ug/L	1.00	10/29/2003 03:20	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	97.2	76-114	%	1.00	10/29/2003 03:20	
Toluene-d8	96.7	88-110	%	1.00	10/29/2003 03:20	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/30/2003 10:27

Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015  
Oakland, CA 94612  
Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMCOX.21.1  
Cox Cadillac

Received: 10/23/2003 13:25

Prep(s): 5030B Test(s): 8260B  
Sample ID: TW7 Lab ID: 2003-10-0841 - 5  
Sampled: 10/22/2003 12:00 Extracted: 10/29/2003 03:42  
Matrix: Water QC Batch#: 2003/10/28-02.62  
Analysis Flag: 0 ( See Legend and Note Section )

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	13000	1300	ug/L	25.00	10/29/2003 03:42	
tert-Butyl alcohol (TBA)	ND	130	ug/L	25.00	10/29/2003 03:42	
Methyl tert-butyl ether (MTBE)	660	13	ug/L	25.00	10/29/2003 03:42	
Di-isopropyl Ether (DIPE)	ND	25	ug/L	25.00	10/29/2003 03:42	
Ethyl tert-butyl ether (ETBE)	ND	13	ug/L	25.00	10/29/2003 03:42	
tert-Amyl methyl ether (TAME)	ND	13	ug/L	25.00	10/29/2003 03:42	
1,2-DCA	ND	13	ug/L	25.00	10/29/2003 03:42	
EDB	ND	13	ug/L	25.00	10/29/2003 03:42	
Benzene	2900	13	ug/L	25.00	10/29/2003 03:42	
Toluene	130	13	ug/L	25.00	10/29/2003 03:42	
Ethylbenzene	310	13	ug/L	25.00	10/29/2003 03:42	
Total xylenes	370	25	ug/L	25.00	10/29/2003 03:42	
Ethanol	ND	630	ug/L	25.00	10/29/2003 03:42	
<b>Surrogate(s)</b>						
1,2-Dichloroethane-d4	100.3	76-114	%	25.00	10/29/2003 03:42	
Toluene-d8	96.1	88-110	%	25.00	10/29/2003 03:42	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/30/2003 10:27

Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMCOX.21.1

Cox Cadillac

Received: 10/23/2003 13:25

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2003/10/28-02.62-033

Water

Test(s): 8260B

QC Batch # 2003/10/28-02.62

Date Extracted: 10/28/2003 19:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	10/28/2003 19:33	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/28/2003 19:33	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/28/2003 19:33	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	10/28/2003 19:33	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	10/28/2003 19:33	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	10/28/2003 19:33	
1,2-DCA	ND	0.5	ug/L	10/28/2003 19:33	
EDB	ND	0.5	ug/L	10/28/2003 19:33	
Benzene	ND	0.5	ug/L	10/28/2003 19:33	
Toluene	ND	0.5	ug/L	10/28/2003 19:33	
Ethylbenzene	ND	0.5	ug/L	10/28/2003 19:33	
Total xylenes	ND	1.0	ug/L	10/28/2003 19:33	
Ethanol	ND	25	ug/L	10/28/2003 19:33	
<b>Surrogates(s)</b>					
1,2-Dichloroethane-d4	91.0	76-114	%	10/28/2003 19:33	
Toluene-d8	100.0	88-110	%	10/28/2003 19:33	

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/30/2003 10:27

**Fuel Oxygenates by 8260B**

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMCOX.21.1

Cox Cadillac

Received: 10/23/2003 13:25

**Batch QC Report**

Prep(s): 5030B

Test(s): 8260B

**Laboratory Control Spike**

**Water**

**QC Batch # 2003/10/28-02.62**

LCS 2003/10/28-02.62-049

Extracted: 10/28/2003

Analyzed: 10/28/2003 18:49

LCSD 2003/10/28-02.62-011

Extracted: 10/28/2003

Analyzed: 10/28/2003 19:11

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	29.1	30.6	25.0	116.4	122.4	5.0	65-165	20		
Benzene	24.2	23.2	25.0	96.8	92.8	4.2	69-129	20		
Toluene	24.4	23.4	25.0	97.6	93.6	4.2	70-130	20		
<b>Surrogates(s)</b>										
1,2-Dichloroethane-d4	519	506	500	103.8	101.2		76-114			
Toluene-d8	480	477	500	96.0	95.4		88-110			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/30/2003 10:27



Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.21.1

Cox Cadillac

Received: 10/23/2003 13:25

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2003/10/28-02.62

TW2 >> MS

Lab ID: 2003-10-0841 - 003

MS: 2003/10/28-02.62-035

Extracted: 10/29/2003

Analyzed: 10/29/2003 02:35

Dilution: 1.00

MSD: 2003/10/28-02.62-057

Extracted: 10/29/2003

Analyzed: 10/29/2003 02:57

Dilution: 1.00

Compound	Conc. ug/L			Spk. Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	29.9	20.1	ND	25.0	119.6	80.4	39.2	65-165	20		mso
Benzene	26.9	20.3	ND	25.0	107.6	81.2	28.0	69-129	20		mso
Toluene	27.9	20.3	ND	25.0	111.6	81.2	31.5	70-130	20		mso
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	539	485		500	107.8	97.0		76-114			
Toluene-d8	539	471		500	107.8	94.2		88-110			

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/30/2003 10:27

## Fuel Oxygenates by 8260B

ETIC Oakland

Attn.: Luis Fraticelli

1333 Broadway, Suite 1015

Oakland, CA 94612

Phone: (510) 208-1600 Fax: (510) 208-1604

Project: TMC0X.21.1

Cox Cadillac

Received: 10/23/2003 13:25

---

**Legend and Notes**

---

**Analysis Flag**

o

Reporting limits were raised due to high level of analyte present in the sample.

**Result Flag**

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

msc

MS/MSD spike recoveries were out of QC limits due to matrix interference.  
Precision and Accuracy were verified by LCS/LCSD.

Severn Trent Laboratories, Inc.

STL San Francisco \* 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 \* www.stl-inc.com \* CA DHS ELAP# 2496

10/30/2003 10:27

2003-10-0841

From						Analysis Request															Number of Containers				
Proj.Mgr	Luis Fraticelli					TPH (EPA 8015, 8020/8021) Gas w/ BTEX MTBE	Purgeable Aromatics BTEX (EPA 8020/8021)	TEPH (EPA 8015M) <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	Fuel Oxygenates (8260B): <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Full Oxygenate List <input type="checkbox"/> MTBE <input type="checkbox"/> BTEX	Purgeable Halocarbons (HVOCs) (EPA 8010/8021)	Volatile Organics GC/MS (VOCs) (EPA 8260A/8260B)	Semivolatiles GC/MS (EPA 8270)	Oil and Grease <input type="checkbox"/> Petroleum (EPA 1664) <input type="checkbox"/> Total	<input type="checkbox"/> Pesticides (EPA 8081) <input type="checkbox"/> PCBs (EPA 8092)	PNAs by <input type="checkbox"/> 8270 <input type="checkbox"/> 8510	CAM17 Metals (EPA 6010/7470/7471)	Metals: <input type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> RCRA <input type="checkbox"/> Other:	<input type="checkbox"/> W.E.T (STLC) <input type="checkbox"/> TCLP	Hexavalent Chromium pH (24h hold time for H <sub>2</sub> O)	<input type="checkbox"/> Spec Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS		Anions: <input type="checkbox"/> Cl <input type="checkbox"/> SO <sub>4</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> PO <sub>4</sub>	TPH-g, BTEX, 5 fuel oxygenates, 1,2-DCA, EDB, and ethanol by EPA Method 8260		
Company	ETIC Engineering																				Address			1333 Broadway, Suite 1015. OAKLAND, CA 94612	
Sample ID	Date	Time	Mat nx	Pres erv.																					
MW1	10/22	10:15	W	HGL																					
MW2		11:30		HGL																					6
TW2		9:40		HGL																					6
TW6		10:55		HGL																					4
TW7		12:00		HGL																					4

Project Info.		Sample Receipt	
Project Name: Cox Cadillac	# of Containers:		
Project#: TMCOX.21.1	Head Space:		
PO#: OAK89	Temp: 4.1		
Credit Card#:	Conforms to record:		
T A T	Std 5 Day	72h	48h 24h Other
Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input checked="" type="checkbox"/> EDD			
Special Instructions / Comments:			
GLOBAL ID#			

<p>1) Relinquished by:</p> <p><i>[Signature]</i> 13:20 Signature Time</p> <p>PATRICK PICO 10/22/03 Printed Name Date</p> <p>ETIC Company</p>	<p>2) Relinquished by:</p> <p><i>[Signature]</i> 13:25 Signature Time</p> <p>R. ALLEN 10-23-03 Printed Name Date</p> <p>STL-SF Company</p>	<p>3) Relinquished by:</p> <p>Signature Time</p> <p>Printed Name Date</p> <p>Company</p>
<p>1) Received by:</p> <p><i>[Signature]</i> 10:17 Signature Time</p> <p>R. ALLEN 10-23-03 Printed Name Date</p> <p>STL-SF Company</p>	<p>2) Received by:</p> <p>Signature Time</p> <p>Printed Name Date</p> <p>Company</p>	<p>3) Received by:</p> <p><i>[Signature]</i> 13:25 Signature Time</p> <p>M. VILLANUEVA 10/23/03 Printed Name Date</p> <p>STL-SF Company</p>