CONESTOGA-ROVERS & ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
www.CRAworld.com

TRANSMITTAL

DATE: May 4, 2009

REFERENCE NO.: 240781

PROJECT NAME: 2703 Martin Luther King Jr. Way, Oakland

TO: Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RECEIVED
3:01 pm, May 04, 2009
Alameda County
Environmental Health

Please find enclosed:
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- ☐ Originals
- ☐ Prints
- ☒ Final
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- ☐ Same Day Courier
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QUANTITY	DESCRIPTION
1	Groundwater and Soil Vapor Monitoring Report – First Quarter 2009

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
If you have any questions regarding the contents of this document, please contact Tom Sparrowe at (510) 420-3316.

Copy to: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Avenue, Carson, CA 90810
Rodney & Janet Kwan, Auto Tech West, 2703 Martin Luther King Jr. Way, Oakland, CA 94612
Scott Merillat, 664 27th Street, Oakland, CA 94612
Monique Oatis, 670 27th Street, Oakland, CA 94612
Jack Chang, 559 9th Avenue, San Francisco, CA 94118-3716

Completed by: Tom Sparrowe Signed: Tom Sparrowe

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE - Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California
SAP Code 129449
Incident No. 97093397
ACHCSA Case No. RO#0145

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Project Manager

GROUNDWATER AND SOIL VAPOR MONITORING REPORT - FIRST QUARTER 2009

FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY
OAKLAND, CALIFORNIA

SAP CODE	129449
INCIDENT NO.	97093397
AGENCY NO.	RO0000145

Prepared by:
Conestoga-Rovers & Associates

5900 Hollis Street, Suite A
Emeryville, California
U.S.A. 94608

Office: (510) 420-0700
Fax: (510) 420-9170

web: http://www.CRAworld.com

MAY 4, 2009
REF. NO. 240781 (4)
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LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

1.1 SITE INFORMATION

Site Address	2703 Martin Luther King Jr. Way, Oakland
Site Use	Auto Repair Shop
Shell Project Manager	Denis Brown
CRA Project Manager	Tom Sparrowe
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	RO0000145
Shell SAP Code	129449
Shell Incident No.	97093397

Date of most recent agency correspondence was March 11, 2009.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

CRA received Alameda County Health Care Services Agency's (ACHCSA's) February 20, 2009 letter approving CRA's January 29, 2009 *Subsurface Investigation Work Plan* and requesting additional analyses.

On December 31, 2008 CRA attempted to sample soil vapor probe VP-9. Water was present in the screen interval for probe VP-9, so no soil vapor sample could be collected.

CRA attempted to sample soil vapor probes VP-6 through VP-9 on March 31, 2009. CRA prepared a soil vapor analytical data table (Table 1), soil vapor probe locations are shown on Figure 2, and the soil vapor analytical report is included in Appendix B. CRA was only able to collect one vapor sample from the shallow screen interval (3 feet below grade [fbg]) of probe VP-8. Water was present in the shallow screen interval (3 fbg) for probes VP-6 and VP-7 and in the deeper screen interval (5 fbg) for probes VP-6 through VP-9, so no soil vapor samples could be collected from these probes. Toluene was the only chemical of concern detected, and the concentration was below the applicable residential environmental screening level (ESL).

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Predominantly southwesterly
Hydraulic Gradient	Variable
Depth to Water	7.64 to 9.39 feet below top of well casing

2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

Blaine will gauge and sample wells according to the established monitoring program for this site.

CRA completed the subsurface investigation referenced above during April 2009 and will submit a report presenting the results by May 22, 2009.

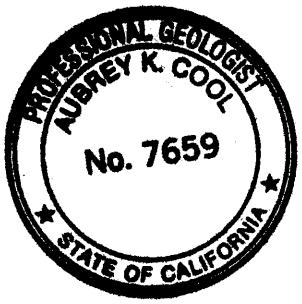
Negotiations with off-site property owners continue for completing the proposed off-site investigation activities. As of the date of this document, Shell is waiting for two access agreements to install proposed monitoring wells MW-9, MW-10, and MW-11 and soil vapor probe VP-10. CRA will continue to update ACHCSA with the progress and status of this work.

CRA will sample soil vapor probes VP-6 through VP-9 during third quarter 2009. CRA recommends that soil vapor probe sampling be performed using a vacuum pump and Tedlar bags, and that the samples be analyzed for benzene, toluene, ethylbenzene, and xylenes using EPA Method 8260.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

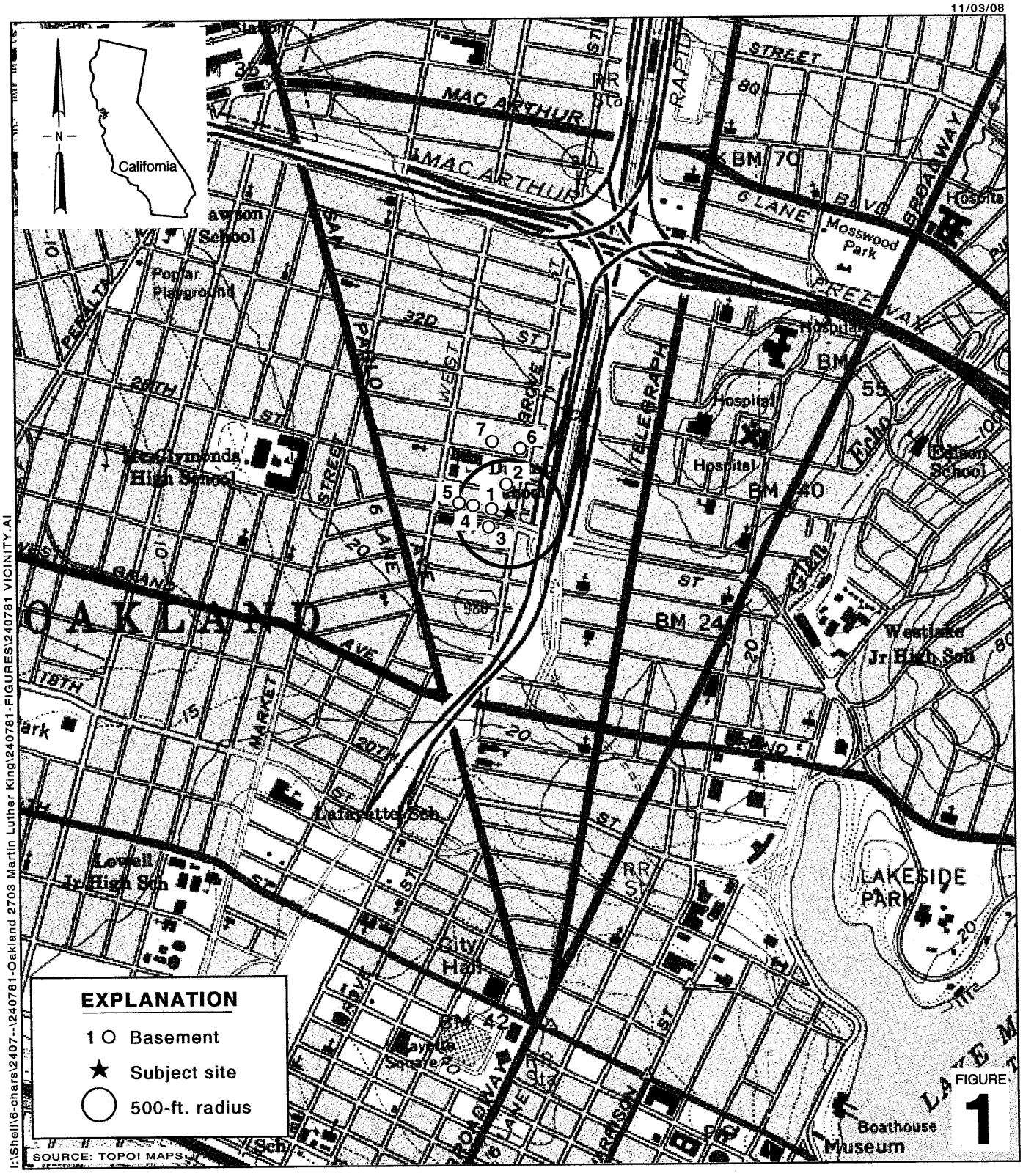
Thomas A. Sparrowe, PG

Aubrey K. Cool, PG



FIGURES

11/03/08



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SCALE (MILES)

Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

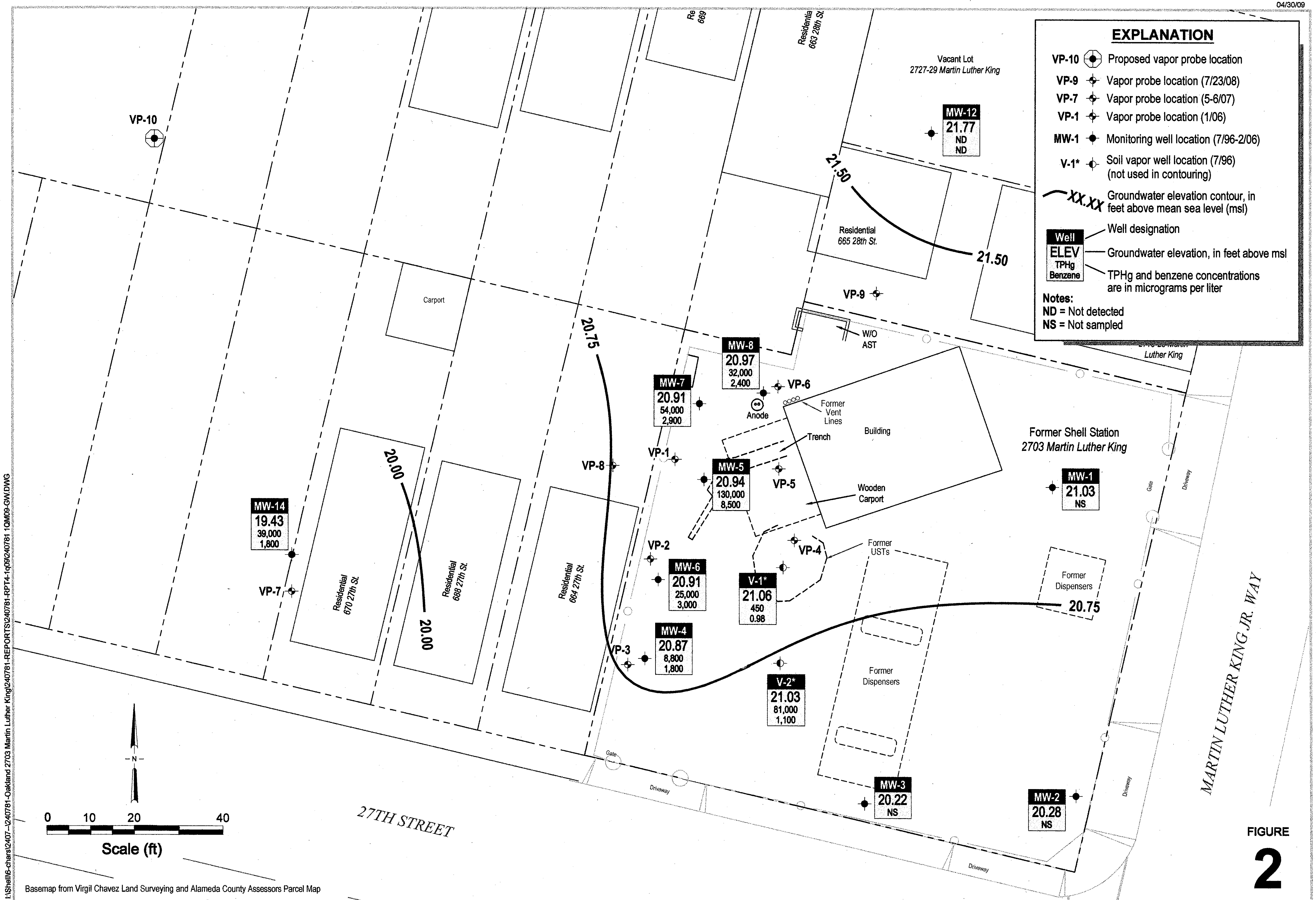
04/30/09
EXPLANATION
VP-10 Proposed vapor probe location
VP-9 Vapor probe location (7/23/08)
VP-7 Vapor probe location (5-6/07)
VP-1 Vapor probe location (1/06)
MW-1 Monitoring well location (7/96-2/06)
V-1* Soil vapor well location (7/96) (not used in contouring)
XX.XX Groundwater elevation contour, in feet above mean sea level (msl)
Well — Well designation
ELEV — Groundwater elevation, in feet above msl
TPHg Benzene — TPHg and benzene concentrations are in micrograms per liter
Notes:
ND = Not detected
NS = Not sampled
Vacant Lot
2727-29 Martin Luther King
Residential 663 28th St.
Residential 665 28th St.
Re 669
MW-12 21.77 ND ND
21.50
21.50
VP-10
Carport
VP-9
W/O AST
Luther King
MW-8 20.97 32,000 2,400
VP-6
MW-7 20.91 54,000 2,900
Anode
Former Vent Lines
Building
Trench
Former Shell Station
2703 Martin Luther King
20.75
VP-1
VP-8
MW-5 20.94 130,000 8,500
VP-5
Wooden Carport
MW-1 21.03 NS
Gate
Driveway
20.00
MW-14 19.43 39,000 1,800
VP-7
Residential 670 27th St.
Residential 688 27th St.
Residential 664 27th St.
VP-2
MW-6 20.91 25,000 3,000
VP-4
Former USTs
V-1* 21.06 450 0.98
Former Dispensers
20.75
20.00
MW-4 20.87 8,800 1,800
VP-3
V-2* 21.03 81,000 1,100
Former Dispensers
MARTIN LUTHER KING JR. WAY
N
0 10 20 40
Scale (ft)
27TH STREET
Driveway
MW-3 20.22 NS
MW-2 20.28 NS
Driveway
Basemap from Virgil Chavez Land Surveying and Alameda County Assessors Parcel Map
I:\Shell6-chars\2407--\240781-Oakland 2703 Martin Luther King\240781-REPORTS\240781-RPT4-1q09\240781 1QM09-GW.DWG

FIGURE 2

Groundwater Elevation and Chemical Concentration Map

February 3, 2009

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

2703 Martin Luther King Jr Way
Oakland, California

TABLES

TABLE 1

SOIL VAPOR ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*Isobutane*	*Butane*	*Propane*
VP-1-3	5/30/2007	3	**5,500,000**	<510	690	<690	<2,090	---	---	---
VP-1-5	5/30/2007	5			Unable to sample; water in probe					
VP-2-3	5/30/2007	3			Unable to sample; water in probe					
VP-2-5	5/30/2007	5			Unable to sample; water in probe					
VP-3-3	5/30/2007	3			Unable to sample; water in probe					
VP-3-5	5/30/2007	5	**31,000,000**	**760**	<75	<86	<256	---	---	---
VP-4-3	5/30/2007	3	**800,000**	<79	240	<110	<320	---	---	---
VP-4-5	5/30/2007	5	**680,000**	<66	170	<90	<270	---	---	---
VP-5-3	5/30/2007	3			Unable to sample; water in probe					
VP-5-5	5/30/2007	5			Unable to sample; water in probe					
VP-6-3	5/30/2007	3	**3,500,000**	110	320	<55	160	---	---	---
VP-6-3	4/17/2008	3	<17,000	<2.3	<2.8	<3.2	<9.6	ND	ND	ND
VP-6-3	**3/31/2009**	**3**			Unable to sample; water in probe					
VP-6-5	5/30/2007	5	**1,900,000**	<100	410	<140	<420	---	---	---
VP-6-5	4/17/2008	5	**14,000,000**	3.6	<2.6	<3.0	<9.0	66.8	ND	ND
Ambient (near VP-6)	5/30/2007	--	<19,000	16	16	<3.1	<9.2	---	---	---
VP-6-5	**3/31/2009**	**5**			Unable to sample; water in probe					
VP-7-3	6/12/2007	3	<21,000	23	7,000	110	241	---	---	---
VP-7-3	10/30/2007	3	<19,000	<2.7	9.6	<3.6	<17.6	657.3	16.6	ND
VP-7-3	1/18/2008	3	**23,000**	4.3	23	3.4	13.8	ND	ND	ND
VP-7-3	4/17/2008	3	<16,000	<2.2	6.1	<3.0	<9.1	648.95	ND	ND
VP-7-3-DUP	4/17/2008	3	<16,000	<2.2	7.1	<3.0	<9.0	144.53	ND	ND
VP-7-3	7/24/2008	3	<19,000	<2.7	51	<3.6	<10.8	601.17	10.93	ND
Ambient (near VP-7)	7/24/2008	--	<16,000	<2.3	<2.7	<3.1	<9.2	ND	ND	ND
VP-7-3	**3/31/2009**	**3**			Unable to sample; water in probe					
VP-7-5	6/12/2007	5	<21,000	23	2,100	110	230	---	---	---
VP-7-5	10/30/2007	5	<18,000	<2.5	15	<3.4	<16.4	402.4	ND	ND
VP-7-5	1/18/2008	5	<20,000	<2.8	7.9	<3.8	<11.3	105.5	ND	ND
VP-7-5-DUP	1/18/2008	5	<19,000	<2.6	7.6	<3.6	<10.8	66.6	ND	ND
VP-7-5	4/17/2008	5	<15,000	<2.2	7.8	<2.9	<8.8	220.83	25.2	ND
VP-7-5	7/24/2008	5			Unable to sample; water in probe					
VP-7-5	**3/31/2009**	**5**			Unable to sample; water in probe					

TABLE 1

SOIL VAPOR ANALYTICAL DATA
FORMER SHELL SERVICE STATION
2703 MARTIN LUTHER KING JR. WAY, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Total Xylenes*	*Isobutane*	*Butane*	*Propane*
VP-8-3	6/12/2007	3	<23,000	20	9,300	120	267	---	---	---
VP-8-3	10/30/2007	3	<24,000	<3.4	34	<4.6	<22.6	395.1	7.8	ND
VP-8-3-DUP	10/30/2007	3	<18,000	<2.6	6.5	<3.5	<17.5	366.6	ND	ND
VP-8-3	1/18/2008	3	<18,000	<2.6	7.2	<3.5	<10.4	128.6	ND	ND
VP-8-3	4/17/2008	3	<16,000	<2.3	7.1	<3.1	<9.3	666.54	57.29	ND
VP-8-3	7/24/2008	3	<18,000	<2.5	290	14	38	ND	ND	ND
VP-8-3-DUP	7/24/2008	3	<19,000	<2.6	210	11	28.9	6.42	ND	ND
VP-8-3'	**3/31/2009**	**3**	<9,100	<2.5	5.2	<3.5	<14	<19	<19	<43
VP-8-3' DUP	**3/31/2009**	**3**	<8,100	<2.3	<2.7	<3.1	<12	<17	<17	<38
Ambient (near VP-8)	**3/31/2009**	--	<13,000	<3.7	17	<5.0	<20	<27	<27	<62
VP-8-5	6/12/2007	5	<22,000	33	11,000	120	278	---	---	---
VP-8-5	10/30/2007	5	<19,000	<2.6	8.5	<3.6	<17.6	468.3	5.9	ND
VP-8-5	1/18/2008	5	<19,000	<2.6	5.7	<3.5	<10.5	ND	ND	ND
VP-8-5	4/17/2008	5	<17,000	11	<1.9	<3.2	<9.6	59.43	9.98	ND
VP-8-5	7/24/2008	5	<17,000	<2.4	630	29	76	10.22	7.84	ND
VP-8-5	**3/31/2009**	**5**	Unable to sample; water in probe							
VP-9-5	8/8/2008	5	280	<3.9	17	<5.2	<10.4	ND	ND	ND
Ambient (near VP-9)	8/8/2008	--	280	<3.2	<3.8	<4.4	<8.8	ND	ND	ND
VP-9-5	**12/31/2008**	5	Unable to sample; water in probe							
VP-9-5	**3/31/2009**	5	Unable to sample; water in probe							
Trip Blank	7/24/2008	--	<11,000	<1.6	<1.9	<2.2	<6.5	ND	ND	ND
Trip Blank	8/8/2008	--	<100	<1.6	<1.9	<2.2	<4.4	ND	ND	ND
Trip Blank	**3/31/2009**	--	<5,700	<1.6	<1.9	<2.2	<8.7	<12	<12	<27
Environmental Screening Levels	*Commercial*	*29,000*	*280*	*180,000*	*3,300*	*58,000*	--	--	--	
SFBRWQCB, May 2008	*Residential*	*10,000*	*84*	*63,000*	*980*	*21,000*	--	--	--	

Notes:

All results in micrograms per cubic meter (mg/m^3) unless otherwise indicated.
fbg = Feet below grade
TPHg = Total petroleum hydrocarbons as gasoline; analyzed by Modified EPA Method TO-3M GC/FID
Benzene, tolunene, ethylbenzene, and xylenes by Modified EPA Method TO-15
Isobutane, butane, and propane by TPA Method TO-15
<x = Not detected at reporting limit x
ND = Not detected
--- = Not analyzed or no applicable enviornmental screening level
Results in **bold** exceed enviornmental screening level

APPENDIX A

BLAINE TECH SERVICES, INC. – GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

February 26, 2009

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

First Quarter 2009 Groundwater Monitoring at
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Monitoring performed on February 3, 2009

Groundwater Monitoring Report **090203-JP-1**

This report covers the routine monitoring of groundwater wells at this former Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Manager

MN/tm

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Anni Kreml
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

WELL CONCENTRATIONS
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1 (B-11)	8/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.53	NA	NA	NA
MW-1 (B-11)	8/5/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.76	14.77	NA
MW-1 (B-11) (D)	8/5/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	NA	NA	NA
MW-1 (B-11)	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	9.88	13.65	NA
MW-1 (B-11)	1/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	6.82	16.71	NA
MW-1 (B-11)	4/7/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.89	15.64	NA
MW-1 (B-11)	7/2/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.71	14.82	NA
MW-1 (B-11)	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	9.26	14.27	NA
MW-1 (B-11)	1/9/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.94	15.59	NA
MW-1 (B-11)	4/2/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.21	16.32	NA
MW-1 (B-11)	7/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	7.78	15.75	NA
MW-1 (B-11)	10/1/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.39	15.14	NA
MW-1 (B-11)	1/18/1999	<50.0	<0.500	0.785	<0.500	<0.500	2.36	NA	NA	NA	NA	NA	23.53	8.28	15.25	NA
MW-1 (B-11)	4/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.53	8.41	15.12	NA
MW-1 (B-11)	8/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	8.17	15.36	NA
MW-1 (B-11)	10/6/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	23.53	9.37	14.16	NA
MW-1 (B-11)	1/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	7.52	16.01	NA
MW-1 (B-11)	4/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	7.66	15.87	NA
MW-1 (B-11)	7/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	7.81	15.72	NA
MW-1 (B-11)	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	8.33	15.20	NA
MW-1 (B-11)	1/4/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.53	8.33	15.20	NA
MW-1 (B-11)	5/3/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.83	15.70	NA
MW-1 (B-11)	7/9/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	8.60	14.93	NA
MW-1	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	9.01	14.52	0.2
MW-1	1/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.68	15.85	2.1
MW-1	4/4/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.38	16.15	1.1

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.53	7.75	15.78	2.2
MW-1	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	29.53	8.10	21.43	1.6
MW-1	1/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	29.53	7.82	21.71	0.6
MW-1	4/17/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	29.53	7.76	21.77	1.7
MW-1	7/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.53	7.87	21.66	1.5
MW-1	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.53	8.67	20.86	0.8
MW-1	1/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.53	8.28	21.25	NA
MW-1	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	8.50	21.03	1.1
MW-1	4/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.98	21.55	NA
MW-1	7/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	8.30	21.23	NA
MW-1	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	8.27	21.26	NA
MW-1	1/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	6.92	22.61	NA
MW-1	4/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.18	22.35	NA
MW-1	8/1/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.43	22.10	NA
MW-1	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.53	7.55	21.98	NA
MW-1	1/11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	5.35	24.19	NA
MW-1	5/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	29.54	6.81	22.73	0.78
MW-1	8/30/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.77	21.77	NA
MW-1	11/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	8.39	21.15	NA
MW-1	2/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.11	22.43	NA
MW-1	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.20	22.34	NA
MW-1	8/27/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.86	21.68	NA
MW-1	11/8/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.89	21.65	NA
MW-1	2/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.38	22.16	NA
MW-1	5/1/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	7.58	21.96	NA
MW-1	8/12/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	8.85	20.69	NA

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MW-1	11/26/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	8.90	20.64	NA
MW-1	**2/3/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**29.54**	**8.51**	**21.03**	**NA**
MW-2 (B-12)*	7/17/1996	<50	<0.50	0.69	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	NA	NA	NA
MW-2 (B-12)*	8/5/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	8.35	14.12	NA
MW-2 (B-12)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	9.32	13.15	NA
MW-2 (B-12) (D)*	10/17/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	NA	NA	NA
MW-2 (B-12)*	1/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	6.80	15.67	NA
MW-2 (B-12) (D)*	1/8/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	NA	NA	NA
MW-2 (B-12)*	4/7/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	7.81	14.66	NA
MW-2 (B-12)*	7/2/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	8.27	14.20	NA
MW-2 (B-12)*	10/24/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	9.12	13.35	NA
MW-2 (B-12)*	1/9/1998	<50	<0.50	<0.50	<0.50	<0.50	6.3	NA	NA	NA	NA	NA	22.47	7.41	15.06	NA
MW-2 (B-12)*	4/2/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	6.59	15.88	NA
MW-2 (B-12)*	7/14/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	7.49	14.98	NA
MW-2 (B-12)*	10/1/1998	<50	<0.50	<0.50	<0.50	0.59	<2.5	NA	NA	NA	NA	NA	22.47	8.58	13.89	NA
MW-2 (B-12)*	1/18/1999	<50.0	<0.500	0.971	<0.500	<0.500	2.47	NA	NA	NA	NA	NA	22.47	8.68	13.79	NA
MW-2 (B-12)*	4/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	22.47	8.62	13.85	NA
MW-2 (B-12)*	8/23/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	7.43	15.04	NA
MW-2 (B-12)*	10/6/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	22.47	9.00	13.47	NA
MW-2 (B-12)*	1/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	8.15	14.32	NA
MW-2 (B-12)*	4/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	7.04	15.43	NA
MW-2 (B-12)*	7/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	7.13	15.34	NA
MW-2 (B-12)*	10/24/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	8.78	13.69	NA
MW-2 (B-12)*	1/4/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	22.47	8.33	14.14	NA
MW-2 (B-12)*	5/3/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	7.24	15.23	NA

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MW-2 (B-12)*	7/9/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	8.55	13.92	NA
MW-2	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	9.42	13.05	NA
MW-2	1/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	7.23	15.24	NA
MW-2	4/4/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	6.90	15.57	NA
MW-2	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.47	7.97	14.50	NA
MW-2	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.47	8.62	19.85	NA
MW-2	1/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.47	7.08	21.39	NA
MW-2	4/17/2003	<50	<0.50	<0.50	0.98	2.5	NA	<5.0	NA	NA	NA	NA	28.47	6.94	21.53	NA
MW-2	7/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.47	8.10	20.37	NA
MW-2	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.47	9.09	19.38	NA
MW-2	1/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.47	7.28	21.19	NA
MW-2	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.99	19.48	2.8
MW-2	4/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	6.88	21.59	NA
MW-2	7/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.28	20.19	NA
MW-2	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.43	20.04	NA
MW-2	1/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	6.52	21.95	NA
MW-2	4/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	6.38	22.09	NA
MW-2	8/1/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	7.73	20.74	NA
MW-2	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.47	8.47	20.00	NA
MW-2	1/11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	6.30	22.18	NA
MW-2	5/26/2006	59.9	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.48	6.84	21.64	3.02
MW-2	8/30/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.11	20.37	NA
MW-2	11/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.61	19.87	NA
MW-2	2/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	6.92	21.56	NA
MW-2	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	7.32	21.16	NA
MW-2	8/27/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.38	20.10	NA

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MW-2	11/8/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.58	19.90	NA
MW-2	2/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	6.48	22.00	NA
MW-2	5/1/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	19.00	9.48	NA
MW-2	8/12/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.53	19.95	NA
MW-2	11/26/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.48	8.88	19.60	NA
MW-2	**2/3/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**28.48**	**8.20**	**20.28**	**NA**
MW-3	4/25/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.30	7.16	15.14	NA
MW-3	5/3/2001	<100	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	7.28	15.02	NA
MW-3	7/9/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	8.45	13.85	NA
MW-3	10/18/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	9.44	12.86	NA
MW-3	1/24/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	5.88	16.42	NA
MW-3	4/4/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	6.68	15.62	NA
MW-3	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	22.30	7.63	14.67	NA
MW-3	10/21/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.30	8.56	19.74	NA
MW-3	1/21/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	28.30	6.95	21.35	NA
MW-3	4/17/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	28.30	6.77	21.53	NA
MW-3	7/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.30	7.92	20.38	NA
MW-3	10/20/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.30	9.12	19.18	NA
MW-3	1/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	28.30	7.21	21.09	NA
MW-3	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	9.00	19.30	0.6
MW-3	4/1/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.65	21.65	NA
MW-3	7/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.24	20.06	NA
MW-3	10/26/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.50	19.80	NA
MW-3	1/13/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.32	21.98	NA
MW-3	4/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.05	22.25	NA

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MW-3	8/1/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	7.65	20.65	NA
MW-3	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.31	19.99	NA
MW-3	1/11/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.10	22.20	NA
MW-3	5/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	2.87	<0.500	<0.500	<10.0	28.30	6.72	21.58	1.46
MW-3	8/30/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.12	20.18	NA
MW-3	11/8/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.71	19.59	NA
MW-3	2/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.78	21.52	NA
MW-3	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	7.20	21.10	NA
MW-3	8/27/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.18	20.12	NA
MW-3	11/8/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.41	19.89	NA
MW-3	2/20/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	6.31	21.99	NA
MW-3	5/1/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	7.52	20.78	NA
MW-3	8/12/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.32	19.98	NA
MW-3	11/26/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.30	8.71	19.59	NA
MW-3	**2/3/2009**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**28.30**	**8.08**	**20.22**	**NA**
MW-4	4/25/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.51	7.05	15.46	NA
MW-4	5/3/2001	8,000	3,500	24	37	350	NA	<200	NA	NA	NA	NA	22.51	6.66	15.85	NA
MW-4	7/9/2001	16,000	4,100	32	890	790	NA	<200	NA	NA	NA	NA	22.51	8.28	14.23	NA
MW-4	10/18/2001	12,000	3,300	<20	430	220	NA	<200	NA	NA	NA	NA	22.51	9.40	13.11	NA
MW-4	1/24/2002	5,500	1,200	<5.0	280	240	NA	<50	NA	NA	NA	NA	22.51	5.73	16.78	NA
MW-4	4/4/2002	2,000	350	1.4	13	7.8	NA	<10	NA	NA	NA	NA	22.51	5.62	16.89	NA
MW-4	7/18/2002	3,400	440	1.3	200	98	NA	<5.0	NA	NA	NA	NA	22.51	6.94	15.57	NA
MW-4	10/21/2002	16,000	3,100	11	1,200	970	NA	<5.0	NA	NA	NA	NA	28.51	8.04	20.47	NA
MW-4	1/21/2003	3,600	720	3.9	110	58	NA	<25	NA	NA	NA	NA	28.51	6.10	22.41	NA
MW-4	4/17/2003	3,700	810	<5.0	140	17	NA	<50	NA	NA	NA	NA	28.51	5.97	22.54	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-4	7/22/2003	3,700	450	<2.5	110	7.9	NA	<2.5	NA	NA	NA	NA	28.51	6.37	22.14	NA
MW-4	10/20/2003	11,000 c	2,500	<20	550	95	NA	<20	NA	NA	NA	NA	28.51	8.99	19.52	NA
MW-4	1/13/2004	6,600	1,500	<10	41	37	NA	<10	NA	NA	NA	NA	28.51	6.67	21.84	NA
MW-4	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.51	8.80	19.71	0.3
MW-4	4/1/2004	9,500	2,100	12	170	30	NA	NA	NA	NA	NA	NA	28.51	6.28	22.23	0.1
MW-4	7/13/2004	12,000	3,600	39	160	58	NA	<25	<100	<100	<100	<250	28.51	8.20	20.31	0.1
MW-4	10/26/2004	11,000	2,800	<25	100	<50	NA	NA	NA	NA	NA	NA	28.51	8.00	20.51	0.6
MW-4	1/13/2005	12,000	2,200	14	110	43	NA	NA	NA	NA	NA	NA	28.51	6.03	22.48	0.1
MW-4	4/28/2005	8,600	2,300	27	200	49	NA	NA	NA	NA	NA	NA	28.51	5.93	22.58	3.71
MW-4	8/1/2005	11,000	3,900	57	180	47	NA	<10	<40	<40	<40	<100	28.51	6.20	22.31	NA d
MW-4	10/5/2005	9,400	3,300	45	88	33	NA	NA	NA	NA	NA	NA	28.51	8.22	20.29	2.76
MW-4	1/11/2006	3,900 f	1,700 f	14	95	78	NA	<0.50	7.4	<0.50	<0.50	32	28.51	4.25	24.26	0.6
MW-4	5/26/2006	6,730	455	1.90	56.7	44.8	NA	<0.500	4.36	<0.500	<0.500	<10.0	28.51	5.90	22.61	0.54
MW-4	8/30/2006	29,600	2,740	30.0	448	237	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.51	7.98	20.53	0.44/0.46
MW-4	11/8/2006	6,300	1,500	13	130	67	NA	NA	NA	NA	NA	NA	28.51	8.52	19.99	0.05/0.22
MW-4	2/22/2007	11,000	2,200	18	620	310	NA	NA	NA	NA	NA	NA	28.51	5.63	22.88	2.96/2.98
MW-4	5/29/2007	14,000 i,j	3,200	27	640	249.0	NA	NA	NA	NA	NA	NA	28.51	6.60	21.91	0.19/0.11
MW-4	8/27/2007	12,000 i	1,900	19 k	250	80.9 k	NA	<25	<50	<50	<50	<250	28.51	8.50	20.01	0.85/1.71
MW-4	11/8/2007	6,400 i	1,400	11 k	70	37.9 k	NA	NA	NA	NA	NA	NA	28.51	8.21	20.30	1.09/2.63
MW-4	2/20/2008	12,000 i	2,700	<20	690	396	NA	NA	NA	NA	NA	NA	28.51	4.86	23.65	0.46/0.12
MW-4	5/1/2008	8,500	2,000	<20	260	62	NA	NA	NA	NA	NA	NA	28.51	7.00	21.51	0.2/0.2
MW-4	8/12/2008	8,400	1,800	22	<20	24	NA	<20	<40	<40	<40	<200	28.51	8.31	20.20	0.21/0.68
MW-4	11/26/2008	6,900	1,800	<20	120	<20	NA	NA	NA	NA	NA	NA	28.51	8.94	19.57	0.88/2.18
MW-4	**2/3/2009**	**8,800**	**1,800**	**<20**	**160**	**96**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**28.51**	**7.64**	**20.87**	**0.15/0.26**
MW-5	4/25/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.54	7.36	16.18	NA

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MW-5	5/3/2001	160,000	12,000	20,000	3,600	23,000	NA	<500	NA	NA	NA	NA	23.54	7.77	15.77	NA
MW-5	7/9/2001	130,000	11,000	19,000	4,500	22,000	NA	<500	NA	NA	NA	NA	23.54	9.32	14.22	NA
MW-5	10/18/2001	120,000	12,000	23,000	4,200	21,000	NA	<500	NA	NA	NA	NA	23.54	9.39	14.15	0.5
MW-5	1/24/2002	34,000	3,300	3,300	960	6,000	NA	<100	NA	NA	NA	NA	23.54	7.05	16.49	4.0
MW-5	4/4/2002	32,000	2,100	2,800	730	6,400	NA	<200	NA	NA	NA	NA	23.54	6.89	16.65	1.0
MW-5	7/18/2002	75,000	7,500	4,700	2,700	15,000	NA	<500	NA	NA	NA	NA	23.54	8.48	15.06	1.2
MW-5	10/21/2002	140,000	13,000	18,000	4,000	26,000	NA	<500	NA	NA	NA	NA	29.54	9.21	20.33	1.1
MW-5	1/21/2003	47,000	6,400	3,500	370	8,300	NA	<500	NA	NA	NA	NA	29.54	7.23	22.31	0.8
MW-5	4/17/2003	93,000	9,700	16,000	3,200	20,000	NA	<500	NA	NA	NA	NA	29.54	6.61	22.93	0.8
MW-5	7/22/2003	110,000	9,500	15,000	560	23,000	NA	<50	NA	NA	NA	NA	29.54	8.68	20.86	1.2
MW-5	10/20/2003	88,000	6,600	12,000	1,900	16,000	NA	<50	NA	NA	NA	NA	29.54	9.71	19.83	0.1
MW-5	1/13/2004	4,600	460	140	<10	930	NA	<10	NA	NA	NA	NA	29.54	7.30	22.24	NA
MW-5	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	9.51	20.03	0.3
MW-5	4/1/2004	70,000	7,900	11,000	2,100	17,000	NA	NA	NA	NA	NA	NA	29.54	6.80	22.74	0.1
MW-5	7/13/2004	66,000	5,900	10,000	1,900	16,000	NA	<50	<200	<200	<200	<500	29.54	9.28	20.26	0.1
MW-5	10/26/2004	6,600	670	110	7.4	2,000	NA	NA	NA	NA	NA	NA	29.54	8.75	20.79	0.8
MW-5	1/13/2005	9,500	1,300	950	360	1,900	NA	NA	NA	NA	NA	NA	29.54	5.87	23.67	6.3
MW-5	4/28/2005	17,000	2,400	1,200	320	3,400	NA	NA	NA	NA	NA	NA	29.54	6.32	23.22	3.54
MW-5	8/1/2005	70,000	6,600	11,000	3,400	17,000	NA	<50	<200	<200	<200	<500	29.54	8.27	21.27	NA d
MW-5	10/5/2005	93,000	8,600	15,000	4,500	23,000	NA	NA	NA	NA	NA	NA	29.54	9.12	20.42	1.43
MW-5	1/11/2006	12,000	1,900	550	2,400	3,800	NA	<25	<25	<25	<25	<250	29.61	5.52	24.09	0.6
MW-5	5/26/2006	112,000	6,600	11,100	3,870	19,900 g	NA	<0.500	5.37	<0.500	<0.500	<10.0	29.61	7.02	22.59	0.45
MW-5	8/30/2006	281,000	8,050	15,400	4,770	26,800	NA	<0.500	<0.500	<0.500	60.6	<10.0	29.61	8.93	20.68	0.55/0.51
MW-5	11/8/2006	83,000	7,000	7,400	3,200	16,000	NA	NA	NA	NA	NA	NA	29.61	9.40	20.21	0.08/0.05
MW-5	2/22/2007	35,000	9,500	13,000	5,300	23,000	NA	NA	NA	NA	NA	NA	29.61	6.87	22.74	1.17/3.17
MW-5	5/29/2007	94,000 i	6,400	9,900	4,300	22,000	NA	NA	NA	NA	NA	NA	29.61	7.85	21.76	0.08/0.19

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MW-5	8/27/2007	110,000 i	6,900	11,000	4,300	22,000	NA	<100	<200	<200	<200	<1000	29.61	9.13	20.48	0.08/0.22
MW-5	11/8/2007	61,000 i	7,500	5,300	4,700	20,400	NA	NA	NA	NA	NA	NA	29.61	9.27	20.34	2.15/0.65
MW-5	2/20/2008	92,000 i	14,000	14,000	5,900	30,800	NA	NA	NA	NA	NA	NA	29.61	6.02	23.59	0.17/0.18
MW-5	5/1/2008	130,000	8,200	12,000	4,600	24,900	NA	NA	NA	NA	NA	NA	29.61	8.20	21.41	0.2/0.1
MW-5	8/12/2008	150,000	7,600	12,000	8,900	24,800	NA	<100	<200	<200	<200	<1,000	29.61	9.42	20.19	0.14/0.51
MW-5	11/26/2008	110,000	7,900	12,000	4,500	27,500	NA	NA	NA	NA	NA	NA	29.61	9.86	19.75	1.26/0.95
MW-5	**2/3/2009**	**130,000**	**8,500**	**10,000**	**4,400**	**24,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**29.61**	**8.67**	**20.94**	**0.30/0.23**
MW-6	1/9/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.60	4.18	24.42	NA
MW-6	1/11/2006	150,000	9,300	1,600	5,100	24,000	NA	<2.5 f	17 f	<2.5 f	<2.5 f	51 f	28.60	4.50	24.10	3.6
MW-6	5/26/2006	67,300	6,930	870	2,440	7,590 g	NA	<5.00	10.1	<5.00	<5.00	<100	28.60	6.10	22.50	0.49
MW-6	8/30/2006	7,060	6,090	1,180	2,040	7,200	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.60	8.05	20.55	0.39/0.56
MW-6	11/8/2006	8,200	1,900	200	350	890	NA	NA	NA	NA	NA	NA	28.60	8.53	20.07	0.12/0.95
MW-6	2/22/2007	49,000	7,300	2,300	3,600	9,500	NA	NA	NA	NA	NA	NA	28.60	5.94	22.66	1.54/2.03
MW-6	5/29/2007	30,000 i,j	4,100	1,000	1,600	4,900	NA	NA	NA	NA	NA	NA	28.60	6.87	21.73	0.11/0.51
MW-6	8/27/2007	36,000 i	2,000	440	1,000	3,400	NA	<25	15 k	<50	<50	<250	28.60	8.22	20.38	0.08/0.15
MW-6	11/8/2007	7,000 i	850	130	270	880	NA	NA	NA	NA	NA	NA	28.60	8.32	20.28	0.94/2.48
MW-6	2/20/2008	28,000 i	6,900	1,300	1,900	7,000	NA	NA	NA	NA	NA	NA	28.60	5.03	23.57	0.14/0.09
MW-6	5/1/2008	24,000	4,400	940	1,000	3,500	NA	NA	NA	NA	NA	NA	28.60	7.15	21.45	0.05/0.04
MW-6	8/12/2008	30,000	1,900	380	1,300	3,600	NA	<50	<100	<100	<100	<500	28.60	8.49	20.11	0.49/0.99
MW-6	11/26/2008	15,000	2,400	320	590	2,120	NA	NA	NA	NA	NA	NA	28.60	8.93	19.67	0.79/2.30
MW-6	**2/3/2009**	**25,000**	**3,000**	**330**	**790**	**3,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**28.60**	**7.69**	**20.91**	**0.24/0.09**
MW-7	1/9/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.71	5.50	24.21	NA
MW-7	1/11/2006	79,000	9,800	1,800	1,900	20,000	NA	<5.0 f	28 f	<5.0 f	<5.0 f	64 f	29.71	5.70	24.01	1.0
MW-7	5/26/2006	98,200	9,620	1,150	3,490	13,400 g	NA	<5.00	30.8	<5.00	<5.00	885	29.71	7.24	22.47	0.30

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MW-7	8/30/2006	146,000	8,740	980	3,440	15,400	NA	<0.500	22.7	<0.500	<0.500	<10.0	29.71	9.03	20.68	0.51/0.46
MW-7	11/8/2006	61,000	6,600	880	2,800	12,000	NA	NA	NA	NA	NA	NA	29.71	9.49	20.22	0.02/0.13
MW-7	2/22/2007	50,000	3,400	910	2,200	13,000	NA	NA	NA	NA	NA	NA	29.71	7.00	22.71	0.96/2.57
MW-7	5/29/2007	26,000 i,j	2,700	320	850	3,590	NA	NA	NA	NA	NA	NA	29.71	8.01	21.70	0.09/0.15
MW-7	8/27/2007	37,000 i	3,300	240	1,300	4,060	NA	<25	20 k	<50	<50	<250	29.71	9.30	20.41	1.23/1.64
MW-7	11/8/2007	26,000 i	3,000	120	1,000	2,810	NA	NA	NA	NA	NA	NA	29.71	9.39	20.32	0.80/1.39
MW-7	2/20/2008	20,000 i	1,400	210	600	4,800	NA	NA	NA	NA	NA	NA	29.71	3.33	26.38	3.72/0.58
MW-7	5/1/2008	16,000	1,700	66	85	1,380	NA	NA	NA	NA	NA	NA	29.71	8.28	21.43	0.2/0.1
MW-7	8/12/2008	27,000	1,700	73	1,100	2,490	NA	<20	<40	<40	<40	<200	29.71	9.61	20.10	1.49/1.93
MW-7	11/26/2008	25,000	2,300	61	62	1,400	NA	NA	NA	NA	NA	NA	29.71	9.94	19.77	0.85/1.10
MW-7	**2/3/2009**	**54,000**	**2,900**	**170**	**520**	**5,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**29.71**	**8.80**	**20.91**	**0.17/0.62**
MW-8	1/9/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.54	5.56	23.98	NA
MW-8	1/11/2006	32,000	2,400	180	66	5,500	NA	<0.50 f	15 f	<0.50 f	<0.50 f	35 f	29.54	5.53	24.01	0.8
MW-8	5/26/2006	24,800	423	73.0	166	2,820 g	NA	<0.500	2.18	<0.500	<0.500	<10.0	29.54	7.02	22.52	0.35
MW-8	8/30/2006	72,100	1,770	114	324	3,140	NA	<0.500	23.3	<0.500	<0.500	<10.0	29.54	8.81	20.73	0.51/0.50
MW-8	11/8/2006	24,000	2,000	90	190	3,400	NA	NA	NA	NA	NA	NA	29.54	9.25	20.29	0.11/0.40
MW-8	2/22/2007	26,000	2,100	110	180	4,400	NA	NA	NA	NA	NA	NA	29.54	7.08	22.46	1.37/1.71
MW-8	5/29/2007	31,000 i	2,600	99	250	3,140	NA	NA	NA	NA	NA	NA	29.54	7.81	21.73	0.05/0.49
MW-8	8/27/2007	41,000 i	3,400	110	260	3,880	NA	<20	32 k	<40	<40	<200	29.54	9.04	20.50	0.07/0.27
MW-8	11/8/2007	42,000 i	4,900	140	440	4,000	NA	NA	NA	NA	NA	NA	29.54	9.14	20.40	3.20/0.10
MW-8	2/20/2008	19,000 i	760	38	52	1,930	NA	NA	NA	NA	NA	NA	29.54	9.00	20.54	1.72/0.13
MW-8	5/1/2008	18,000	1,000	35	42	1,520	NA	NA	NA	NA	NA	NA	29.54	8.10	21.44	1.10/0.19
MW-8	8/12/2008	33,000	1,600	69	1,100	2,730	NA	<10	<20	<20	<20	<100	29.54	9.41	20.13	0.15/0.29
MW-8	11/26/2008	27,000	2,600	77	100	2,930	NA	NA	NA	NA	NA	NA	29.54	9.68	19.86	2.60/0.66
MW-8	**2/3/2009**	**32,000**	**2,400**	**70**	**81**	**2,700**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**29.54**	**8.57**	**20.97**	**0.10/0.23**

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MW-12	5/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.16	8.42	22.74	NA
MW-12	5/26/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	31.16	8.44	22.72	3.88
MW-12	8/30/2006	746	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	NA	NA	NA	31.16	9.54	21.62	1.75/1.81
MW-12	11/8/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	31.16	8.67	22.49	2.26/3.60
MW-12	2/22/2007	<50	<0.50	<1.0	<0.50	<1.0	NA	NA	NA	NA	NA	NA	31.16	7.72	23.44	1.60/2.91
MW-12	5/29/2007	<50 i	0.49 k	<1.0	0.14 k	0.48 k	NA	NA	NA	NA	NA	NA	31.16	9.00	22.16	0.60/0.61
MW-12	8/27/2007	<50 i	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	9.90	21.26	0.47/0.24
MW-12	11/8/2007	<50 i	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	9.90	21.26	3.8/3.1
MW-12	2/20/2008	<50 i	5.4	1.7	3.4	12.4	NA	NA	NA	NA	NA	NA	31.16	7.40	23.76	3.43/1.91
MW-12	5/1/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	9.20	21.96	0.09/0.13
MW-12	8/12/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	10.40	20.76	3.6/3.2
MW-12	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	31.16	10.59	20.57	1.80/1.32
MW-12	**2/3/2009**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**31.16**	**9.39**	**21.77**	**1.72/1.75**
MW-14	5/19/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.09	6.95	21.14	NA
MW-14	5/26/2006	103,000	5,280	76.7	3,930	4,800 g	NA	<5.00	49.7	<5.00	<5.00	895	28.09	7.05	21.04	3.60
MW-14	8/30/2006	10,200	1,260	12.5	1,310	1,330	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.09	9.19	18.90	3.33/3.49
MW-14	11/8/2006	29,000	4,400 h	34	2,000	1,600	NA	NA	NA	NA	NA	NA	28.09	9.80	18.29	1.16/1.40
MW-14	2/22/2007	31,000	2,600	42	2,200	1,600	NA	NA	NA	NA	NA	NA	28.09	6.70	21.39	0.59/1.11
MW-14	5/29/2007	35,000 i	1,100	14	1,800	767	NA	NA	NA	NA	NA	NA	28.09	7.89	20.20	0.08/0.08
MW-14	8/27/2007	Unable to access well			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-14	8/29/2007	45,000 i	1,000	11	870	367.8 k	NA	<10	20	<20	<20	<100	28.09	9.25	18.84	0.09/0.16
MW-14	11/8/2007	32,000 i	1,600	22	1,500	889	NA	NA	NA	NA	NA	NA	28.09	9.21	18.88	0.04/0.35
MW-14	2/20/2008	23,000 i	1,800	32	1,600	1,021	NA	NA	NA	NA	NA	NA	28.09	6.34	21.75	0.09/0.08
MW-14	5/1/2008	16,000	830	15	870	452	NA	NA	NA	NA	NA	NA	28.09	7.95	20.14	0.12/0.09

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MW-14	8/12/2008	34,000	1,400	26	550	1,151	NA	<10	<20	<20	<20	<100	28.09	14.10	13.99	0.03/0.38
MW-14	11/26/2008	Well inaccessable			NA	NA	NA	NA	NA	NA	NA	NA	28.09	NA	NA	NA
MW-14	**2/3/2009**	**39,000**	**1,800**	**27**	**1,700**	**1,400**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**28.09**	**8.66**	**19.43**	**0.16/0.19**
B-10 *	7/17/1996	20,000	400	<100	<100	870	<500	NA	NA	NA	NA	NA	NA	NA	NA	NA
B-13*	7/17/1996	290,000	34,000	21,000	9,900	47,000	<2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
V-1	8/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	8/5/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	8.58	14.68	NA
V-1	10/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23.26	10.02	13.24	NA
V-1	1/16/1997	9,500	1,200	250	280	880	<50	NA	NA	NA	NA	NA	23.26	5.55	17.71	NA
V-1	4/7/1997	2,200	42	<5.0	130	15	<25	NA	NA	NA	NA	NA	23.26	7.40	15.86	NA
V-1	7/2/1997	2,600	340	5.8	49	12	74	<4.0	NA	NA	NA	NA	23.26	8.94	14.32	NA
V-1	10/24/1997	57,000	5,200	2,300	3,600	16,000	1,900	<200	NA	NA	NA	NA	23.26	9.43	13.83	NA
V-1	1/9/1998	23,000	2,400	1,700	1,300	2,300	310	NA	NA	NA	NA	NA	23.26	6.81	16.45	NA
V-1 (D)	1/9/1998	24,000	2,500	1,800	1,400	2,400	450	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	4/2/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.26	4.58	18.68	NA
V-1 (D)	4/2/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.26	NA	NA	NA
V-1	7/14/1998	160	1.9	<0.50	4.2	<0.50	6.1	NA	NA	NA	NA	NA	23.26	7.51	15.75	NA
V-1	10/1/1998	440	18	<0.50	11	0.80	7.9	NA	NA	NA	NA	NA	23.26	8.49	14.77	NA
V-1	1/18/1999	697	55.7	0.839	28.2	<0.500	9.35	NA	NA	NA	NA	NA	23.26	8.59	14.67	NA
V-1	4/29/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	23.26	8.69	14.57	NA
V-1	8/23/1999	457	33.4	3.59	16.3	<0.500	13.9	NA	NA	NA	NA	NA	23.26	8.99	14.27	NA
V-1	10/6/1999	714	53.7	0.740	8.69	<0.500	9.83	NA	NA	NA	NA	NA	23.26	9.55	13.71	NA
V-1	1/27/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.26	7.19	16.07	NA

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V-1	4/18/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	23.26	7.67	15.59	NA
V-1	7/19/2000	255	21.7	<0.500	10.2	<0.500	7.33	<1.00 a	NA	NA	NA	NA	23.26	7.53	15.73	NA
V-1	10/24/2000	200	4.05	0.566	<0.500	<0.500	7.82	NA	NA	NA	NA	NA	23.26	7.38	15.88	NA
V-1	1/4/2001	128	1.77	<0.500	<0.500	<0.500	6.40	<10.0 b	NA	NA	NA	NA	23.26	8.41	14.85	NA
V-1	5/3/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.26	7.20	16.06	NA
V-1	7/9/2001	110	4.4	<0.50	0.88	1.7	NA	<5.0	NA	NA	NA	NA	23.26	9.22	14.04	NA
V-1	10/18/2001	1,500	180	12	43	46	NA	<5.0	NA	NA	NA	NA	23.26	10.08	13.18	0.8
V-1	1/24/2002	210	7.1	15	4.6	32	NA	<5.0	NA	NA	NA	NA	23.26	6.44	16.82	3.5
V-1	4/4/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	23.26	6.18	17.08	1.0
V-1	7/18/2002	100	1.6	1.2	1.2	6.1	NA	<5.0	NA	NA	NA	NA	23.26	8.08	15.18	1.7
V-1	10/21/2002	210	1.4	<0.50	1.0	1.3	NA	<5.0	NA	NA	NA	NA	29.26	8.94	20.32	1.2
V-1	1/21/2003	61	5.2	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	29.26	6.62	22.64	0.6
V-1	4/17/2003	<50	<0.50	<0.50	<0.50	1.2	NA	<5.0	NA	NA	NA	NA	29.26	6.00	23.26	1.3
V-1	7/22/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	29.26	NA	NA	NA
V-1	10/20/2003	540	11	1.6	6.0	8.9	NA	<0.50	NA	NA	NA	NA	29.26	9.53	19.73	0.1
V-1	1/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	29.26	6.62	22.64	NA
V-1	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	29.26	9.08	20.18	0.1
V-1	4/1/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	6.24	23.02	0.1
V-1	7/13/2004	120	1.8	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	29.26	8.78	20.48	0.1
V-1	10/26/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	8.09	21.17	0.6
V-1	1/13/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	4.30	24.96	0.1
V-1	4/28/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	5.27	23.99	3.34
V-1	8/1/2005	54	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	29.26	7.77	21.49	NA d
V-1	10/5/2005	120 e	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.26	8.72	20.54	1.67
V-1	1/11/2006	<50	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	29.24	4.78	24.46	0.3
V-1	5/26/2006	<50.0	<0.500	<0.500	<0.500	1.02 g	NA	<0.500	<0.500	<0.500	<0.500	<10.0	29.24	6.61	22.63	1.94

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V-1	8/30/2006	5,660	6.81	1.39	27.3	21.0	NA	<0.500	<0.500	<0.500	<0.500	<10.0	29.24	8.46	20.78	0.33/0.33
V-1	11/8/2006	1,300	3.7	1.5	5.1	6.9	NA	NA	NA	NA	NA	NA	29.24	8.95	20.29	0.05/0.11
V-1	2/22/2007	<50	<0.50	<1.0	<0.50	<1.0	NA	NA	NA	NA	NA	NA	29.24	6.17	23.07	0.76/0.99
V-1	5/29/2007	650 i	0.64	<1.0	1.2	0.95 k	NA	NA	NA	NA	NA	NA	29.24	7.21	22.03	0.69/0.74
V-1	8/27/2007	510 i, j	0.24	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	29.24	8.78	20.46	0.12/0.57
V-1 **	11/8/2007	2,000 i	19	2.9	23	18.5	NA	NA	NA	NA	NA	NA	29.24	8.41	20.83	0.61/1.54
V-1	2/20/2008	54 i	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	29.24	5.11	24.13	0.13/0.22
V-1	5/1/2008	280	0.57	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	29.24	7.60	21.64	0.08/0.08
V-1	8/12/2008	390	0.80	<1.0	<1.0	1.1	NA	<1.0	<2.0	<2.0	<2.0	<10	29.24	9.00	20.24	0.81/1.51
V-1	11/26/2008	3,300	46	8.3	62	44.2	NA	NA	NA	NA	NA	NA	29.24	9.50	19.74	0.76/1.28
V-1	**2/3/2009**	**450**	**0.98**	**<1.0**	**1.7**	**<1.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**29.24**	**8.18**	**21.06**	**0.13/0.39**
V-2	8/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	8/5/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.80	7.94	14.86	NA
V-2	10/17/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.80	9.30	13.50	NA
V-2	1/8/1997	69,000	4,800	2,800	2,700	13,000	750	NA	NA	NA	NA	NA	22.80	5.82	16.98	NA
V-2	4/7/1997	90,000	4,400	1,900	3,300	14,000	<500	NA	NA	NA	NA	NA	22.80	7.10	15.70	NA
V-2 (D)	4/7/1997	77,000	4,400	2,000	3,200	14,000	<250	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	7/2/1997	82,000	5,500	2,700	3,500	16,000	530	<100	NA	NA	NA	NA	22.80	8.35	14.45	NA
V-2 (D)	7/2/1997	85,000	5,600	2,800	3,600	17,000	520	<100	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	10/24/1997	7,300	1,100	97	230	180	91	<12	NA	NA	NA	NA	22.80	10.03	12.77	NA
V-2 (D)	10/24/1997	12,000	1,700	340	650	630	120	<20	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	1/9/1998	40,000	4,100	1,500	2,500	9,000	280	NA	NA	NA	NA	NA	22.80	6.94	15.86	NA
V-2	4/2/1998	62,000	6,800	2,400	3,400	14,000	<250	NA	NA	NA	NA	NA	22.80	5.35	17.45	NA
V-2	7/14/1998	43,000	4,700	1,100	2,500	6,600	<250	NA	NA	NA	NA	NA	22.80	6.48	16.32	NA
V-2 (D)	7/14/1998	48,000	5,100	1,300	2,600	8,100	<250	NA	NA	NA	NA	NA	22.80	NA	NA	NA

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V-2	10/1/1998	53,000	5,200	1,800	3,200	10,000	83	NA	NA	NA	NA	NA	22.80	8.41	14.39	NA
V-2 (D)	10/1/1998	55,000	5,300	1,900	3,300	11,000	65	NA	NA	NA	NA	NA	22.80	NA	NA	NA
V-2	1/18/1999	47,100	5,800	1,960	3,450	10,200	<100	NA	NA	NA	NA	NA	22.80	8.29	14.51	NA
V-2	4/29/1999	65,000	6,100	2,800	3,200	12,000	540	NA	NA	NA	NA	NA	22.80	8.19	14.61	NA
V-2	8/23/1999	59,600	6,240	2,190	3,900	14,700	390	NA	NA	NA	NA	NA	22.80	8.44	14.36	NA
V-2	10/6/1999	63,800	4,820	1,860	2,840	11,100	<1000	NA	NA	NA	NA	NA	22.80	8.96	13.84	NA
V-2	1/27/2000	59,600	10,200	2,840	3,450	12,100	<500	NA	NA	NA	NA	NA	22.80	7.57	15.23	NA
V-2	4/18/2000	45,000	6,050	2,700	3,340	12,200	<250	NA	NA	NA	NA	NA	22.80	8.14	14.66	NA
V-2	7/19/2000	31,800	4,440	1,270	2,390	6,820	<500	NA	NA	NA	NA	NA	22.80	8.21	14.59	NA
V-2	10/24/2000	40,100	4,810	1,730	2,960	8,650	734	<10.0	NA	NA	NA	NA	22.80	8.53	14.27	NA
V-2	1/4/2001	37,500	4,510	1,390	2,710	6,880	375	NA	NA	NA	NA	NA	22.80	8.03	14.77	NA
V-2	5/3/2001	51,000	4,000	1,900	2,800	8,200	NA	<200	NA	NA	NA	NA	22.80	6.63	16.17	NA
V-2	7/9/2001	9,600	710	190	180	1,400	NA	<25	NA	NA	NA	NA	22.80	8.75	14.05	NA
V-2	10/18/2001	20,000	2,000	540	560	6,000	NA	<50	NA	NA	NA	NA	22.80	9.60	13.20	0.4
V-2	1/24/2002	36,000	2,900	870	1,700	5,900	NA	<100	NA	NA	NA	NA	22.80	5.93	16.87	4.0
V-2	4/4/2002	49,000	3,900	1,500	2,900	9,300	NA	<200	NA	NA	NA	NA	22.80	5.78	17.02	0.9
V-2	7/18/2002	50,000	3,600	1,300	2,800	9,300	NA	<200	NA	NA	NA	NA	22.80	7.58	15.22	1.3
V-2	10/21/2002	86,000	6,000	1,900	4,200	20,000	NA	<250	NA	NA	NA	NA	28.80	8.40	20.40	1.3
V-2	1/21/2003	13,000	630	200	300	2,400	NA	<25	NA	NA	NA	NA	28.80	6.52	22.28	1.2
V-2	4/17/2003	26,000	2,000	570	750	6,000	NA	<100	NA	NA	NA	NA	28.80	5.93	22.87	1.1
V-2	7/22/2003	6,800	130	34	150	440	NA	<2.5	NA	NA	NA	NA	28.80	7.96	20.84	1.4
V-2	10/20/2003	14,000	660	160	260	2,400	NA	<10	NA	NA	NA	NA	28.80	9.21	19.59	0.7
V-2	1/13/2004	20,000	1,400	410	700	4,200	NA	<13	NA	NA	NA	NA	28.80	6.90	21.90	NA
V-2	1/22/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.80	8.50	20.30	0.1
V-2	4/1/2004	28,000	2,000	520	650	8,700	NA	NA	NA	NA	NA	NA	28.80	6.84	21.96	0.2
V-2	7/13/2004	21,000	1,900	460	1,000	4,300	NA	NA	NA	NA	NA	NA	28.80	8.28	20.52	0.1

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V-2	10/26/2004	43,000	2,700	880	2,300	12,000	NA	NA	NA	NA	NA	NA	28.80	8.43	20.37	0.8
V-2	1/13/2005	23,000	1,400	330	1,800	5,800	NA	NA	NA	NA	NA	NA	28.80	6.67	22.13	0.6
V-2	4/28/2005	16,000	970	230	620	3,800	NA	NA	NA	NA	NA	NA	28.80	5.69	23.11	4.55
V-2	8/1/2005	14,000	610	190	450	3,600	NA	NA	NA	NA	NA	NA	28.80	5.25	23.55	NA d
V-2	10/5/2005	37,000	2,200	680	2,300	8,500	NA	NA	NA	NA	NA	NA	28.80	8.24	20.56	0.75
V-2	01/11/2006 f	45,000	1,900	720	3,000	13,000	NA	<25	<25	<25	<25	<250	28.81	6.60	22.21	0.4
V-2	5/26/2006	66,600	1,300	400	2,950	9,700 g	NA	<0.500	<0.500	<0.500	<0.500	<10.0	28.81	6.28	22.53	0.28
V-2	8/30/2006	7,290	2,390	750	4,680	17,000	NA	NA	NA	NA	NA	NA	28.81	8.03	20.78	0.37/0.31
V-2	11/8/2006	68,000	1,700	580	3,900	13,000	NA	NA	NA	NA	NA	NA	28.81	8.60	20.21	0.05/0.14
V-2	2/22/2007	57,000	1,300	600	4,000	15,000	NA	NA	NA	NA	NA	NA	28.81	5.88	22.93	1.23/2.50
V-2	5/29/2007	48,000 i,j	2,000	650	3,300	10,000	NA	NA	NA	NA	NA	NA	28.81	6.82	21.99	0.07/0.12
V-2	8/27/2007	55,000 i	1,600	520	2,900	8,000	NA	NA	NA	NA	NA	NA	28.81	8.22	20.59	0.22/0.48
V-2 **	11/8/2007	74,000 i	1,300	500	3,000	9,600	NA	NA	NA	NA	NA	NA	28.81	8.82	19.99	0.87/1.46
V-2	2/20/2008	52,000 i	1,200	560	3,200	12,400	NA	NA	NA	NA	NA	NA	28.81	5.13	23.68	0.16/0.05
V-2	5/1/2008	53,000	960	350	3,000	9,600	NA	NA	NA	NA	NA	NA	28.81	7.25	21.56	0.06/0.05
V-2	8/12/2008	55,000	950	230	2,700	6,030	NA	NA	NA	NA	NA	NA	28.81	8.50	20.31	0.53/1.47
V-2	11/26/2008	71,000	1,400	430	3,900	10,400	NA	NA	NA	NA	NA	NA	28.81	9.08	19.73	0.66/1.62
V-2	**2/3/2009**	**81,000**	**1,100**	**340**	**3,700**	**11,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**28.81**	**7.78**	**21.03**	**0.48/0.15**

WELL CONCENTRATIONS
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 3, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 3, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen reading
n/n = Pre-purge/Post-purge DO reading
ug/L = Parts per billion
ppm = Parts per million
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

WELL CONCENTRATIONS
Former Shell Service Station
2703 Martin Luther King Jr. Way
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = This sample analyzed outside of EPA recommended holding time.

b = Due to error of Sequoia Analytical laboratories, well V-1 confirmed for MTBE by EPA Method 8260 instead of V-2.

c = Hydrocarbon does not match pattern of laboratory's standard.

d = Dissolved oxygen reading not taken due to meter malfunction.

e = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

f = Sample was originally analyzed within the EPA recommended hold time. Re-analysis for dilution was performed past the recommended hold time.

g = Analyte was detected in the associated Method Blank.

h = Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.

i = Analyzed by EPA Method 8015B (M).

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

k = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

* = Water sample from Boring.

** = Samples were swithched in the field for wells V-1 and V-2 due to field error for November 8, 2007 sampling event. Data corrected for this table.

Site surveyed June 14, 2001 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed August 13, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells MW-1 through MW-8, V-1, and V-2 surveyed on February 14, 2006 by Virgil Chavez Land Surveying of Vallejo, CA..

Wells MW-12 and MW-14 surveyed on April 19, 2006 by Virgil Chavez Land Surveying of Vallejo, CA..

Calscience
Environmental
Laboratories, Inc.

February 17, 2009

Michael Ninokata
Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject: **Calscience Work Order No.:** **09-02-0452**
Client Reference: **2703 Martin Luther King Jr. Way, Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/5/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Philip Samelle for

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 02/05/09
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	09-02-0452-1-C	02/03/09 15:45	Aqueous	GC/MS OO	02/16/09	02/16/09 16:27	090216L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1800	10	20		Xylenes (total)	96	20	20	
Ethylbenzene	160	20	20		TPPH	8800	1000	20	
Toluene	ND	20	20						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	74-140		1,2-Dichloroethane-d4	109	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	94	88-112	
1,4-Bromofluorobenzene	94	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	09-02-0452-2-B	02/03/09 16:30	Aqueous	GC/MS OO	02/15/09	02/15/09 23:11	090215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	8500	50	100		Xylenes (total)	24000	100	100	
Ethylbenzene	4400	100	100		TPPH	130000	5000	100	
Toluene	10000	100	100						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	99	74-140		1,2-Dichloroethane-d4	111	74-146	
Toluene-d8	101	88-112		Toluene-d8-TPPH	95	88-112	
1,4-Bromofluorobenzene	97	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	09-02-0452-3-A	02/03/09 15:00	Aqueous	GC/MS UU	02/14/09	02/15/09 02:58	090214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3000	12	25		Xylenes (total)	3000	25	25	
Ethylbenzene	790	25	25		TPPH	25000	1200	25	
Toluene	330	25	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	112	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	98	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 02/05/09
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	09-02-0452-4-A	02/03/09 15:55	Aqueous	GC/MS UU	02/14/09	02/15/09 03:22	090214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2900	10	20		Xylenes (total)	5800	20	20	
Ethylbenzene	520	20	20		TPPH	54000	1000	20	
Toluene	170	20	20						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	102	74-140		1,2-Dichloroethane-d4	109	74-146	
Toluene-d8	101	88-112		Toluene-d8-TPPH	103	88-112	
1,4-Bromofluorobenzene	99	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	09-02-0452-5-A	02/03/09 16:10	Aqueous	GC/MS UU	02/14/09	02/15/09 03:46	090214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2400	12	25		Xylenes (total)	2700	25	25	
Ethylbenzene	81	25	25		TPPH	32000	1200	25	
Toluene	70	25	25						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	74-140		1,2-Dichloroethane-d4	107	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	99	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-12	09-02-0452-6-A	02/03/09 12:35	Aqueous	GC/MS UU	02/14/09	02/15/09 01:45	090214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	74-140		1,2-Dichloroethane-d4	119	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	90	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received:	02/05/09
Work Order No:	09-02-0452
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/L

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-14	09-02-0452-7-A	02/03/09 15:30	Aqueous	GC/MS UU	02/14/09	02/15/09 04:11	090214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1800	12	25		Xylenes (total)	1400	5.0	5	
Ethylbenzene	1700	25	25		TPPH	39000	1200	25	
Toluene	27	5.0	5						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	98	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	103	88-112			Toluene-d8-TPPH	105	88-112		
1,4-Bromofluorobenzene	100	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-1	09-02-0452-8-A	02/03/09 13:40	Aqueous	GC/MS UU	02/16/09	02/16/09 13:20	090216L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.98	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	1.7	1.0	1		TPPH	450	50	1	
Toluene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	74-140			1,2-Dichloroethane-d4	114	74-146		
Toluene-d8	102	88-112			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	94	74-110							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-2	09-02-0452-9-A	02/03/09 16:20	Aqueous	GC/MS UU	02/14/09	02/15/09 04:59	090214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1100	25	50		Xylenes (total)	11000	50	50	
Ethylbenzene	3700	50	50		TPPH	81000	2500	50	
Toluene	340	50	50						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	74-140			1,2-Dichloroethane-d4	107	74-146		
Toluene-d8	99	88-112			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	97	74-110							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received:	02/05/09
Work Order No:	09-02-0452
Preparation:	EPA 5030B
Method:	LUFT GC/MS / EPA 8260B
Units:	ug/L

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,120	N/A	Aqueous	GC/MS UU	02/14/09	02/15/09 01:21	090214L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	117	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	103	88-112	
1,4-Bromofluorobenzene	91	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,124	N/A	Aqueous	GC/MS OO	02/15/09	02/15/09 15:34	090215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	113	74-146	
Toluene-d8	101	88-112		Toluene-d8-TPPH	95	88-112	
1,4-Bromofluorobenzene	90	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,128	N/A	Aqueous	GC/MS UU	02/16/09	02/16/09 12:55	090216L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	74-140		1,2-Dichloroethane-d4	114	74-146	
Toluene-d8	100	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	90	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	02/05/09
1680 Rogers Avenue	Work Order No:	09-02-0452
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-1,129	N/A	Aqueous	GC/MS OO	02/16/09	02/16/09 15:54	090216L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		TPPH	ND	50	1	
Toluene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	74-140		1,2-Dichloroethane-d4	115	74-146	
Toluene-d8	103	88-112		Toluene-d8-TPPH	96	88-112	
1,4-Bromofluorobenzene	91	74-110					

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 02/05/09
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-12	Aqueous	GC/MS UU	02/14/09	02/15/09	090214S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	101	88-118	1	0-7	
Carbon Tetrachloride	105	105	67-145	1	0-11	
Chlorobenzene	99	99	88-118	0	0-7	
1,2-Dibromoethane	101	102	70-130	1	0-30	
1,2-Dichlorobenzene	96	99	86-116	3	0-8	
1,1-Dichloroethene	98	98	70-130	0	0-25	
Ethylbenzene	103	103	70-130	1	0-30	
Toluene	99	97	87-123	2	0-8	
Trichloroethene	96	95	79-127	1	0-10	
Vinyl Chloride	87	89	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	96	97	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	96	106	36-168	10	0-45	
Diisopropyl Ether (DIPE)	109	109	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	104	104	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	102	72-126	2	0-12	
Ethanol	102	107	53-149	4	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 02/05/09
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-02-0449-1	Aqueous	GC/MS OO	02/15/09	02/15/09	090215S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	96	88-118	3	0-7	
Carbon Tetrachloride	90	91	67-145	1	0-11	
Chlorobenzene	94	92	88-118	2	0-7	
1,2-Dibromoethane	96	96	70-130	1	0-30	
1,2-Dichlorobenzene	86	88	86-116	2	0-8	
1,1-Dichloroethene	90	87	70-130	3	0-25	
Ethylbenzene	99	98	70-130	1	0-30	
Toluene	99	99	87-123	0	0-8	
Trichloroethene	98	97	79-127	1	0-10	
Vinyl Chloride	75	74	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	105	109	71-131	4	0-13	
Tert-Butyl Alcohol (TBA)	109	102	36-168	7	0-45	
Diisopropyl Ether (DIPE)	114	112	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	107	105	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	102	72-126	0	0-12	
Ethanol	116	110	53-149	6	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 02/05/09
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-02-0790-3	Aqueous	GC/MS OO	02/16/09	02/16/09	090216S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	97	88-118	6	0-7	
Carbon Tetrachloride	95	93	67-145	2	0-11	
Chlorobenzene	99	94	88-118	6	0-7	
1,2-Dibromoethane	104	95	70-130	9	0-30	
1,2-Dichlorobenzene	91	88	86-116	4	0-8	
1,1-Dichloroethene	97	91	70-130	7	0-25	
Ethylbenzene	104	98	70-130	6	0-30	
Toluene	104	97	87-123	6	0-8	
Trichloroethene	104	100	79-127	4	0-10	
Vinyl Chloride	77	80	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	113	106	71-131	6	0-13	
Tert-Butyl Alcohol (TBA)	105	104	36-168	1	0-45	
Diisopropyl Ether (DIPE)	121	115	81-123	6	0-9	
Ethyl-t-Butyl Ether (ETBE)	114	106	72-126	7	0-12	
Tert-Amyl-Methyl Ether (TAME)	108	102	72-126	6	0-12	
Ethanol	124	121	53-149	3	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: 02/05/09
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
V-1	Aqueous	GC/MS UU	02/16/09	02/16/09	090216S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	102	88-118	2	0-7	
Carbon Tetrachloride	113	110	67-145	3	0-11	
Chlorobenzene	102	101	88-118	1	0-7	
1,2-Dibromoethane	101	101	70-130	0	0-30	
1,2-Dichlorobenzene	101	103	86-116	2	0-8	
1,1-Dichloroethene	104	103	70-130	1	0-25	
Ethylbenzene	108	106	70-130	2	0-30	
Toluene	102	99	87-123	3	0-8	
Trichloroethene	102	97	79-127	5	0-10	
Vinyl Chloride	89	93	69-129	4	0-13	
Methyl-t-Butyl Ether (MTBE)	98	98	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	98	103	36-168	5	0-45	
Diisopropyl Ether (DIPE)	111	110	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	108	107	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	105	105	72-126	0	0-12	
Ethanol	102	112	53-149	10	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-1,120	Aqueous	GC/MS UU	02/14/09	02/15/09	090214L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	102	102	84-120	78-126	0	0-8	
Carbon Tetrachloride	109	107	63-147	49-161	2	0-10	
Chlorobenzene	100	100	89-119	84-124	1	0-7	
1,2-Dibromoethane	102	100	80-120	73-127	2	0-20	
1,2-Dichlorobenzene	101	100	89-119	84-124	1	0-9	
1,1-Dichloroethene	102	100	77-125	69-133	2	0-16	
Ethylbenzene	103	102	80-120	73-127	1	0-20	
Toluene	98	99	83-125	76-132	1	0-9	
Trichloroethene	103	101	89-119	84-124	2	0-8	
Vinyl Chloride	93	91	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	101	100	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	95	92	46-154	28-172	3	0-32	
Diisopropyl Ether (DIPE)	114	112	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	110	108	74-122	66-130	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	106	106	76-124	68-132	0	0-10	
Ethanol	97	97	60-138	47-151	0	0-32	
TPPH	93	93	65-135	53-147	0	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-1,124	Aqueous	GC/MS OO	02/15/09	02/15/09	090215L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	109	105	84-120	78-126	3	0-8	
Carbon Tetrachloride	101	100	63-147	49-161	1	0-10	
Chlorobenzene	103	100	89-119	84-124	3	0-7	
1,2-Dibromoethane	107	104	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	93	93	89-119	84-124	0	0-9	
1,1-Dichloroethene	104	100	77-125	69-133	5	0-16	
Ethylbenzene	110	107	80-120	73-127	3	0-20	
Toluene	108	105	83-125	76-132	2	0-9	
Trichloroethene	111	108	89-119	84-124	3	0-8	
Vinyl Chloride	83	81	63-135	51-147	3	0-13	
Methyl-t-Butyl Ether (MTBE)	111	107	82-118	76-124	4	0-13	
Tert-Butyl Alcohol (TBA)	106	101	46-154	28-172	5	0-32	
Diisopropyl Ether (DIPE)	120	116	81-123	74-130	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	110	106	74-122	66-130	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	107	103	76-124	68-132	4	0-10	
Ethanol	115	116	60-138	47-151	1	0-32	
TPPH	117	117	65-135	53-147	0	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-1,129	Aqueous	GC/MS OO	02/16/09	02/16/09	090216L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	103	104	84-120	78-126	1	0-8	
Carbon Tetrachloride	97	97	63-147	49-161	1	0-10	
Chlorobenzene	98	101	89-119	84-124	3	0-7	
1,2-Dibromoethane	103	108	80-120	73-127	5	0-20	
1,2-Dichlorobenzene	89	92	89-119	84-124	4	0-9	
1,1-Dichloroethene	99	97	77-125	69-133	2	0-16	
Ethylbenzene	103	104	80-120	73-127	2	0-20	
Toluene	102	105	83-125	76-132	2	0-9	
Trichloroethene	105	106	89-119	84-124	1	0-8	
Vinyl Chloride	84	82	63-135	51-147	2	0-13	
Methyl-t-Butyl Ether (MTBE)	106	108	82-118	76-124	2	0-13	
Tert-Butyl Alcohol (TBA)	102	106	46-154	28-172	4	0-32	
Diisopropyl Ether (DIPE)	114	117	81-123	74-130	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	104	108	74-122	66-130	4	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	108	76-124	68-132	7	0-10	
Ethanol	116	117	60-138	47-151	1	0-32	
TPPH	113	116	65-135	53-147	3	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 09-02-0452
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-1,128	Aqueous	GC/MS UU	02/16/09	02/16/09	090216L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	102	101	84-120	78-126	1	0-8	
Carbon Tetrachloride	109	108	63-147	49-161	0	0-10	
Chlorobenzene	100	100	89-119	84-124	0	0-7	
1,2-Dibromoethane	102	104	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	100	101	89-119	84-124	1	0-9	
1,1-Dichloroethene	101	100	77-125	69-133	1	0-16	
Ethylbenzene	105	104	80-120	73-127	1	0-20	
Toluene	100	99	83-125	76-132	1	0-9	
Trichloroethene	99	100	89-119	84-124	0	0-8	
Vinyl Chloride	91	89	63-135	51-147	1	0-13	
Methyl-t-Butyl Ether (MTBE)	102	101	82-118	76-124	1	0-13	
Tert-Butyl Alcohol (TBA)	92	94	46-154	28-172	2	0-32	
Diisopropyl Ether (DIPE)	112	112	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	107	110	74-122	66-130	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	106	108	76-124	68-132	3	0-10	
Ethanol	100	112	60-138	47-151	11	0-32	
TPPH	98	94	65-135	53-147	5	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-02-0452

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

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 7 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 2/3/09

PAGE: 1 of 1

PO #:

SAP #:

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland

State: CA

GLOBAL ID NO.: T0600101876

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville Office

PHONE NO.: 510-420-3335

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO.: BTS # 090203-JP1

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata

SAMPLER NAME(S) (Print): C. MORASH, J. PARKER

LAB USE ONLY: 02- 0452

TELEPHONE: (408)573-0555

FAX: (408)573-7771

E-MAIL: mninokata@blainetech.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

Run TPH-d w/Silica Gel Clean Up

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
1	MW-4	2/3	1545	W	X					3	X		X											
2	MW-5		1630								X		X											
3	MW-6		1500								X		X											
4	MW-7		1555								X		X											
5	MW-8		1610								X		X											
6	MW-12		1235								X		X											
7	MW-14		1530								X		X											
8	V-1		1340								X		X											
9	V-2	↓	1620	↓	↓					↓	X		X											

TEMPERATURE ON RECEI... C°

Relinquished by: (Signature)	Received by: (Signature) (SAMPLE CUSTODIAN)	Date: 2/3/09	Time: 1800
Relinquished by: (Signature) (Sample Custodian) 1730	Received by: (Signature) Tom Malley CEL	Date: 2/4/09	Time: 1010
Relinquished by: (Signature) Tom Malley TO 650 2/4/09	Received by: (Signature)	Date: 2/5/09	Time: 1100

511219659

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-02-0452

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 02/05/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 1.9 °C - 0.2 °C (CF) = 1.7 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** JP

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** HL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☑	☐	☐
COC document(s) received complete.....	☑	☐	☐
Sampler's name indicated on COC.....	☑	☐	☐
Sample container label(s) consistent with COC.....	☑	☐	☐
Sample container(s) intact and good condition.....	☑	☐	☐
Correct containers and volume for analyses requested.....	☑	☐	☐
Analyses received within holding time.....	☑	☐	☐
Proper preservation noted on COC or sample container.....	☑	☐	☐
Volatile analysis container(s) free of headspace.....	☑	☐	☐
Tedlar bag(s) free of condensation.....	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____

Checked/Labeled by: HL

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Reviewed by: IN

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

Scanned by: HL

WELL GAUGING DATA

Project # 090203 - JP1 Date 2/3/09 Client Shell

Site 2703 Martin Luther King Jr. Way, Oakland, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
mw-1	1114	2					8.51	20.00		
mw-2	1120	2					8.20	19.01		
mw-3	1125	4					8.08	19.95		
mw-4	1155	4					7.64	19.94		
mw-5	1150	4					8.67	19.90		
mw-6	1200	4	Odor	NO SPH DETEC			7.69	19.58		
mw-7	1130	4					8.80	19.55		
mw-8	1135	4					8.57	19.49		
MW-12	1030	2					9.39	19.40		
MW-14	1044	1					8.66	14.09		
V-1	1115	2					8.18	12.89		
V-2	1140	2					7.78	13.21		

SHEI WELL MONITORING DATA HEET

BTS #: 090203-JP1	Site: 2703 MARTIN LUTHER KING JR. OAKLAND
Sampler: (JP), CM	Date: 2/3/09
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.94	Depth to Water (DTW): 7.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.10	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

8.0 (Gals.) X	3	=	24.0 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1326	66.9	6.85	1526	33	8	
1327	67.0	6.85	1545	57	16	
1328	67.2	6.84	1548	71	24	

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Date: 2/3/09 Sampling Time: 1545 Depth to Water: 11.40

Sample I.D.: MW-4 Laboratory: (CalScience) Columbia Other____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.15 mg/L	Post-purge:	0.26 mg/L	
O.R.P. (if req'd):	Pre-purge:	——— mV	Post-purge:	——— mV	

SHEL WELL MONITORING DATA HEET

BTS #: 090203-JP1	Site: 2703 MARTIN LUTHER KING JR. OAKLAND
Sampler: JP, CM	Date: 2/3/09
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.90	Depth to Water (DTW): 8.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.91	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.3 (Gals.) X	3 =	21.9 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1601	67.1	7.05	1644	376	7.3	
1602	66.0	6.89	1643	58	14.6	
1603	65.5	6.86	1657	73	21.9	

Did well dewater? Yes (No) Gallons actually evacuated: 21.9

Sampling Date: 2/3/09 Sampling Time: 1630 Depth to Water: 9.51

Sample I.D.: MW-5 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.30 mg/L	Post-purge:	0.23 mg/L	
O.R.P. (if req'd):	Pre-purge:	——— mV	Post-purge:	——— mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 090203-JP1	Site: 2703 MARTIN LUTHER KING JR. OAKLAND
Sampler: JP, CM	Date: 2/3/09
Well I.D.: ~~MW-4~~ MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.58	Depth to Water (DTW): 7.69
Depth to Free Product: ~~19.58~~	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.06	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.7 (Gals.) X 3 = 23.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1412	67.3	6.94	1232	>1000	7.7	odor, sheen
1422	67.7	6.90	1339	>1000	15.4	" "
1430	67.6	6.93	~~1611~~ 1611	>1000	23.1	" "

Did well dewater? Yes (No) Gallons actually evacuated: 23.1

Sampling Date: 2/3/09 Sampling Time: 1500 Depth to Water: 9.97

Sample I.D.: MW-6 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.24 mg/L	Post-purge:	0.09 mg/L	
O.R.P. (if req'd):	Pre-purge:	——— mV	Post-purge:	——— mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 090203-JP1	Site: 2703 MARTIN LUTHER KING JR. OAKLAND
Sampler: JP, CM	Date: 2/3/09
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.55	Depth to Water (DTW): 8.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.95	

Purge Method:
- Bailer
- Disposable Bailer
- Positive Air Displacement
- X Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:
- X Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: _____

7.0 (Gals.) X 3 = 21.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1356	66.7	6.98	1617	29	7.0	ODOR
1357	65.9	6.97	1626	77	14.0	"
1358	66.0	6.94	1639	89	21.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 21.0

Sampling Date: 2/3/09 Sampling Time: 1555 Depth to Water: 9.59

Sample I.D.: MW-7 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.17 mg/L	Post-purge:	0.62 mg/L	
O.R.P. (if req'd):	Pre-purge:	——— mV	Post-purge:	——— mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 090203-JP1	Site: 2703 MACARTHUR BLVD. OAKLAND
Sampler: JP, CM	Date: 2/3/09
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.49	Depth to Water (DTW): 8.57
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.75	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

8.0 (Gals.) X	3	= 24.0 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1429	64.7	6.92	1124	128	8.0	
1430	64.9	6.88	1129	85	16.0	
1431	65.1	6.86	1154	239	24.0	

Did well dewater? Yes (No) Gallons actually evacuated: 24.0

Sampling Date: 2/3/09 Sampling Time: 1610 Depth to Water: 8.79

Sample I.D.: MW-8 Laboratory: (CalScience) Columbia Other____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.10 mg/L	Post-purge:	0.23 mg/L	
O.R.P. (if req'd):	Pre-purge:	——— mV	Post-purge:	——— mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 090203-JP1	Site: 2703 MACARTHUR BLVD. OAKLAND
Sampler: JP, CM	Date: 2/3/09
Well I.D.: MW-12	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 19.40	Depth to Water (DTW): 9.39
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.39	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

2.0 (Gals.) X	3 =	6.0 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1216	61.9	6.73	381.8	>1000	2.0	
1218	61.7	7.03	364.8	>1000	4.0	
1220	62.1	7.08	377.3	>1000	6.0	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 2/3/09 Sampling Time: 12:35 Depth to Water: 10.30

Sample I.D.: MW-12 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	1.72 mg/L	Post-purge:	1.75 mg/L
O.R.P. (if req'd):	Pre-purge:	——— mV	Post-purge:	——— mV

SHEL WELL MONITORING DATA HEET

BTS #: 090203-JP1	Site: 2703 MARTIN LUTHER KING JR. OAKLAND
Sampler: JP, CM	Date: 2/3/09
Well I.D.: MW-14	Well Diameter: 2 3 4 6 8 (1")
Total Well Depth (TD): 14.09	Depth to Water (DTW): 8.66
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.75	

Purge Method: Bailer; X Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: Bailer; X Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

~~0.5~~ 0.2 (Gals.) X 3 = 0.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1509	67.5	7.10	1433	587	0.2	
1513	65.8	7.14	1448	624	0.4	
1518	65.4	7.07	1494	972	0.6	

Did well dewater? Yes (No) Gallons actually evacuated: 0.6

Sampling Date: 2/3/09 Sampling Time: 1530 Depth to Water: 8.90

Sample I.D.: MW-14 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.16 mg/L	Post-purge:	0.19 mg/L	
O.R.P. (if req'd):	Pre-purge:	——— mV	Post-purge:	——— mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 090203-JP1	Site: 2703 MARTIN LUTHER KING JR. OAKLAND
Sampler: JP, CM	Date: 2/3/09
Well I.D.: V-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 12.89	Depth to Water (DTW): 8.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.12	

Purge Method: ✗Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: ✗Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

.7 (Gals.) X	3	=	2.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1328	67.7	6.86	1401	642	.7	odor
1331	66.5	6.91	1416	371	1.4	"
1334	66.6	6.90	1418	616	2.0	"

Did well dewater? Yes (No) Gallons actually evacuated: 2.1

Sampling Date: 2/3/09 Sampling Time: 1340 Depth to Water: 9.07

Sample I.D.: V-1 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.13 mg/L	Post-purge:	0.39 mg/L	
O.R.P. (if req'd):	Pre-purge:	——— mV	Post-purge:	——— mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 090203-JP1	Site: 2703 MARTIN LUTHER KING JR. OAKLAND
Sampler: JP, CM	Date: 2/3/09
Well I.D.: V-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 13.21	Depth to Water (DTW): 7.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.86	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:_____

0.8 (Gals.) X	3	=	2.4 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1533	68.1	7.14	1022	>1000	0.8	odor
1536	67.9	6.91	1035	791	1.6	"
1540	67.6	6.94	1028	870	2.4	"

Did well dewater? Yes (No) Gallons actually evacuated: 2.4

Sampling Date: 2/3/09 Sampling Time: 1620 Depth to Water: 8.74

Sample I.D.: V-2 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Oxygenates (5) Other:

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	0.48 mg/L	Post-purge:	0.15 mg/L	
O.R.P. (if req'd):	Pre-purge:	——— mV	Post-purge:	——— mV	

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 2703 MARTIN LUTHER KING JR. OAKLAND CA Date 2/3/09

Job Number 090203-JP1 Technician J.PARKER, C.MORASH Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1		X	X				X		1/2 TABS BROKEN
MW-2	X	X	X						
MW-3	X	X							
MW-4	X	X	X						
MW-5							X		NO TAG
MW-6							X		NO TAG
MW-7	X	X							
MW-8							X		NO TAG
MW-12	X	X							
MW-14	X	X							
V-1	X	X							
V-2	X	X							

*Well box must meet all three criteria to be compliant: 1) WELL IS SECURABLE BY DESIGN (12"or less) 2) WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less) 3) WELL TAG IS PRESENT, SECURE, AND CORRECT

Notes:

APPENDIX B

SOIL VAPOR MONITORING ANALYTICAL REPORT

Calscience
Environmental
Laboratories, Inc.

April 13, 2009

Tom Sparrowe
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **09-04-0139**
Client Reference: **2703 Martin Luther King Jr. Way, Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/2/2009 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 04/02/09
Work Order No: 09-04-0139
Preparation: N/A
Method: EPA TO-3M

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-8-3'	09-04-0139-1-A	03/31/09 12:35	Air	GC 13	N/A	04/02/09 13:11	090402L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9100	1.59		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-8-3' Dup	09-04-0139-2-A	03/31/09 12:46	Air	GC 13	N/A	04/02/09 13:21	090402L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8100	1.41		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ambient Air	09-04-0139-3-A	03/31/09 02:06	Air	GC 13	N/A	04/02/09 13:30	090402L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	13000	2.31		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	09-04-0139-4-A	03/31/09 02:30	Air	GC 13	N/A	04/02/09 13:01	090402L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-1,742	N/A	Air	GC 13	N/A	04/02/09 08:33	090402L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 04/02/09
Work Order No: 09-04-0139
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-8-3'	09-04-0139-1-A	03/31/09 12:35	Air	GC/MS ZZ	N/A	04/03/09 01:47	090402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	1.59		Toluene	5.2	3.0	1.59	
Ethylbenzene	ND	3.5	1.59		Propane	ND	43	1.59	
Methyl-t-Butyl Ether (MTBE)	ND	11	1.59		Butane	ND	19	1.59	
Xylenes (total)	ND	14	1.59		Isobutane	ND	19	1.59	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	90	47-137	
Toluene-d8	99	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-8-3' Dup	09-04-0139-2-A	03/31/09 12:46	Air	GC/MS ZZ	N/A	04/03/09 02:31	090402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.3	1.41		Toluene	ND	2.7	1.41	
Ethylbenzene	ND	3.1	1.41		Propane	ND	38	1.41	
Methyl-t-Butyl Ether (MTBE)	ND	10	1.41		Butane	ND	17	1.41	
Xylenes (total)	ND	12	1.41		Isobutane	ND	17	1.41	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	96	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Ambient Air	09-04-0139-3-A	03/31/09 02:06	Air	GC/MS ZZ	N/A	04/03/09 03:15	090402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	3.7	2.31		Toluene	17	4.4	2.31	
Ethylbenzene	ND	5.0	2.31		Propane	ND	62	2.31	
Methyl-t-Butyl Ether (MTBE)	ND	17	2.31		Butane	ND	27	2.31	
Xylenes (total)	ND	20	2.31		Isobutane	ND	27	2.31	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	95	47-137	
Toluene-d8	98	78-156					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 04/02/09
Work Order No: 09-04-0139
Preparation: N/A
Method: EPA TO-15
Units: ug/m3

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Trip Blank	09-04-0139-4-A	03/31/09 02:30	Air	GC/MS ZZ	N/A	04/03/09 01:02	090402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Toluene	ND	1.9	1	
Ethylbenzene	ND	2.2	1		Propane	ND	27	1	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	88	47-137	
Toluene-d8	96	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-7,448	N/A	Air	GC/MS ZZ	N/A	04/02/09 13:42	090402L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Toluene	ND	1.9	1	
Ethylbenzene	ND	2.2	1		Propane	ND	27	1	
Methyl-t-Butyl Ether (MTBE)	ND	7.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	95	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	99	78-156					

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

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Conestoga-Rovers & Associates	Date Received: 04/02/09
5900 Hollis Street, Suite A	Work Order No: 09-04-0139
Emeryville, CA 94608-2008	Preparation: N/A
	Method: EPA TO-3M

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
09-04-0095-1	Air	GC 13	N/A	04/02/09	090402D01

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
TPH as Gasoline	150000	150000	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 09-04-0139
Preparation: N/A
Method: EPA TO-15

Project: 2703 Martin Luther King Jr. Way, Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,448	Air	GC/MS ZZ	N/A	04/02/09	090402L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	107	101	60-156	44-172	6	0-40	
Carbon Tetrachloride	117	109	64-154	49-169	7	0-32	
1,2-Dibromoethane	108	100	54-144	39-159	8	0-36	
1,2-Dichlorobenzene	105	98	34-160	13-181	7	0-47	
1,2-Dichloroethane	98	93	69-153	55-167	6	0-30	
1,2-Dichloropropane	107	99	67-157	52-172	7	0-35	
1,4-Dichlorobenzene	104	96	36-156	16-176	8	0-47	
c-1,3-Dichloropropene	118	110	61-157	45-173	7	0-35	
Ethylbenzene	110	102	52-154	35-171	7	0-38	
o-Xylene	110	101	52-148	36-164	8	0-38	
p/m-Xylene	105	97	42-156	23-175	8	0-41	
Tetrachloroethene	114	106	56-152	40-168	7	0-40	
Toluene	104	97	56-146	41-161	6	0-43	
Trichloroethene	110	102	63-159	47-175	7	0-34	
1,1,2-Trichloroethane	108	100	65-149	51-163	8	0-37	
Vinyl Chloride	100	96	45-177	23-199	5	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-04-0139

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

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

- ☑ CALSCIENCE ( )
- ☐ SPL ( )
- ☐ XENCO ( )
- ☐ TEST AMERICA ( )
- ☐ OTHER ( )

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

Print Bill To Contact Name: Denis Brown

INCIDENT # (ENV SERVICES): 9 7 0 9 3 3 9 7

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 3/31/2009

PAGE: 1 of 1

PO #:

SAP #: 1 2 9 4 4 9

SAMPLING COMPANY: Conestoga-Rovers & Associates

LOG CODE: CRAW

SITE ADDRESS: Street and City: 2703 Martin Luther King Jr. Way, Oakland

State: CA

GLOBAL ID NO: T0600101876

ADDRESS: 5900 Hollis St., Suite A, Emeryville, CA

EDF DELIVERABLE TO (Name, Company, Office Location): Brena Carter, CRA, Emeryville

PHONE NO: 510-420-3343

E-MAIL: shelledf@craworld.com

CONSULTANT PROJECT NO: 240781-2009

PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe

SAMPLER NAME(S) (Print): Erin Reinhart

LAB USE ONLY: 04-0139

TELEPHONE: 510-420-3316 FAX: 510-385-0646 E-MAIL: tsparrowe@craworld.com

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

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

Please report results in µg/m3

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPHg (TO-3)	BTEX (TO-15)	MTBE (TO-15)	Isobutane, butane, propane (TO-15, GC/MS)	Container PID Readings or Laboratory Notes
1	VP-8-3'	3/31/09	12:35	Vapor				X		1	X	X	X	X	Container I.D. No.: LC 472
2	VP-8-3' Dup	3/31/09	12:46	Vapor				X		1	X	X	X	X	Container I.D. No.: LC 401
3	Ambient Air	3/31/09	2:06	Vapor				X		1	X	X	X	X	Container I.D. No.: LC 097
4	Trip Blank	3/31/09	2:30	Vapor				X		1	X	X	X	X	Container I.D. No.: LC 157

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Erin Reinhart	Secure location	3/31/09	4:30
Harris Cole	Tom O'Malley CEL	4/1/09	0926
Tom O'Malley TO GSO 4/1/09 1730	Dannyle CEL	4/2/09	10:00

511575573

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-04-0173

SAMPLE RECEIPT FORM

Box Cooler 1 of 1

CLIENT: CRA

DATE: 04/02/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.2 °C (CF) = ____.____ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** DL

CUSTODY SEALS INTACT:

☐ Cooler ☑ Box ☐ No (Not Intact) ☐ Not Present ☐ N/A **Initial:** DL

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present **Initial:** ML

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____ **Sludge/Other:** ☐_____ **Checked/Labeled by:** NC

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar (Wide-mouth) B: Bottle (Narrow-mouth) **Reviewed by:** C

Preservative: h: HCL n: HNO3 na_2: $Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH **Scanned by:** e