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: Shell-branded Service Station
9750 Golf Links Road
Oakland, California
SAP Code 135683
Incident No. 98995744
ACHCSA Case No. RO0002441

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

CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A, Emeryville, Calfornia 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

July 8, 2008

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

Re: **Groundwater Monitoring Report –Second Quarter 2008**
Shell-branded Service Station
9750 Golf Links Road
Oakland, California
SAP Code 135683
Incident No. 98995744
ACHCSA Case No. RO0002441

Dear Mr. Wickham:

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.

If you have any questions regarding the contents of this document, please call Peter Schaefer at (510) 420-3319.

Sincerely,
Conestoga-Rovers & Associates

PROFESSIONAL GEOLOGIST
PETER L SCHAEFER
NO. 5612
STATE OF CALIFORNIA

Peter Schaefer, CHG, CEG
Project Manager

for Aubrey K Cool
Ana Friel, PG
Professional Geologist

cc: Mr. Denis Brown, Shell
SF Data Room

GROUNDWATER MONITORING REPORT – SECOND QUARTER 2008

Site Address	9750 Golf Links Road, Oakland
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
Consultant and Contact Person	CRA, Peter Schaefer
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	RO0002441
Shell SAP Code	135683
Shell Incident No.	98995744
Date of Most Recent Agency Correspondence	July 13, 2005

Current Quarter's Activities

1. Blaine Tech Services, Inc. (Blaine) gauged and sampled wells according to the established monitoring program for this site.
2. CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). The Blaine report, presenting the analytical data, is included in Attachment A.

Current Quarter's Findings

Groundwater Flow Direction	Northwesterly
Hydraulic Gradient	0.10
Depth to Water	6.30 to 10.99 feet below top of well casing

Proposed Activities for Next Quarter

1. Blaine will gauge and sample wells during the third month of the quarter, according to the established monitoring program for this site, and CRA will prepare a report.

Figures: 1 - Vicinity Map
2 - Groundwater Contour and Chemical Concentration Map

Attachment: A - Blaine Tech Services, Inc. - Groundwater Monitoring Report

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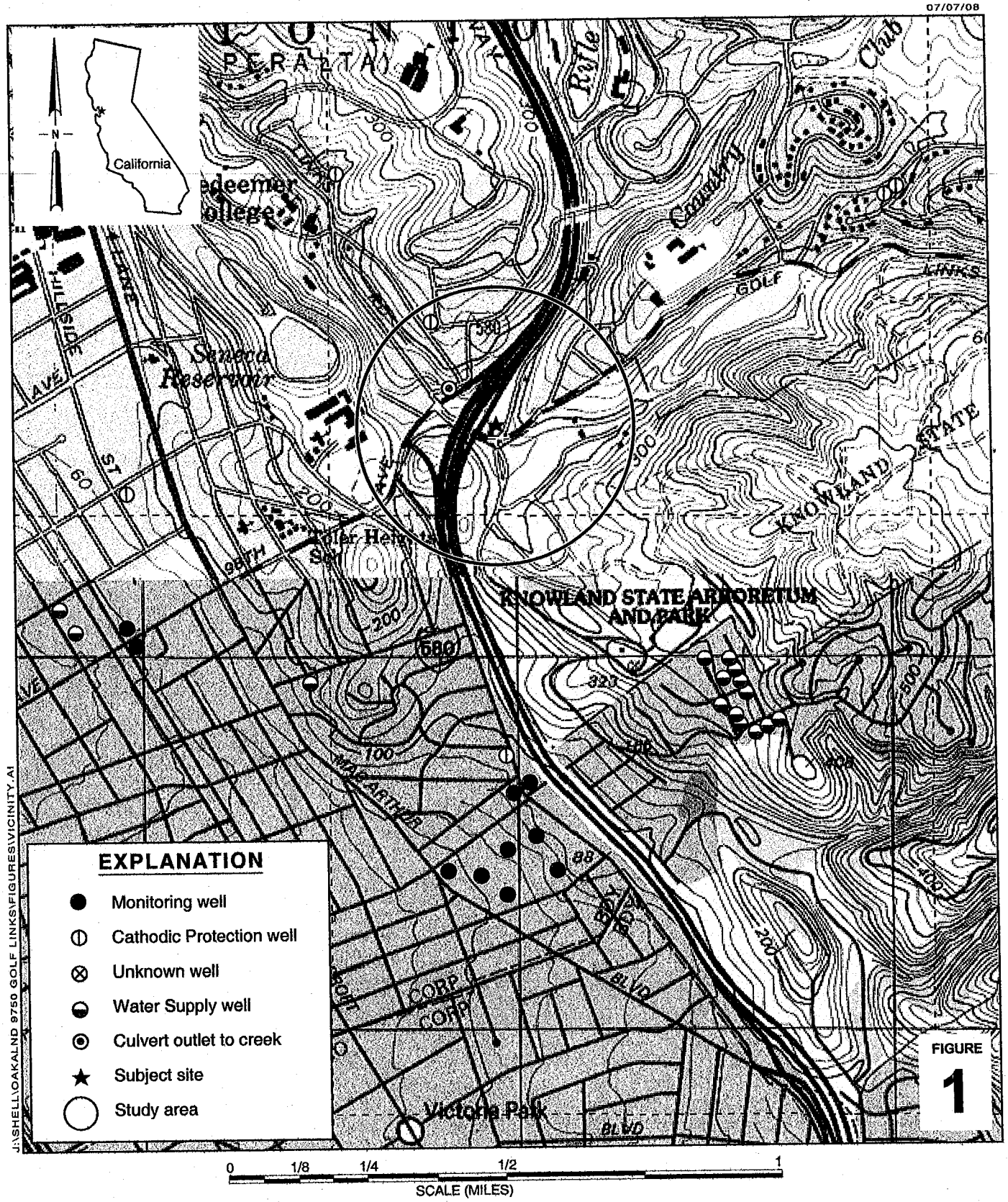
07/07/08



J:\SHELL\OAKLND 9750 GOLF LINKS\FIGURES\VICINITY.AI

FIGURE 1

Shell-branded Service Station
9750 Golf Links Road
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

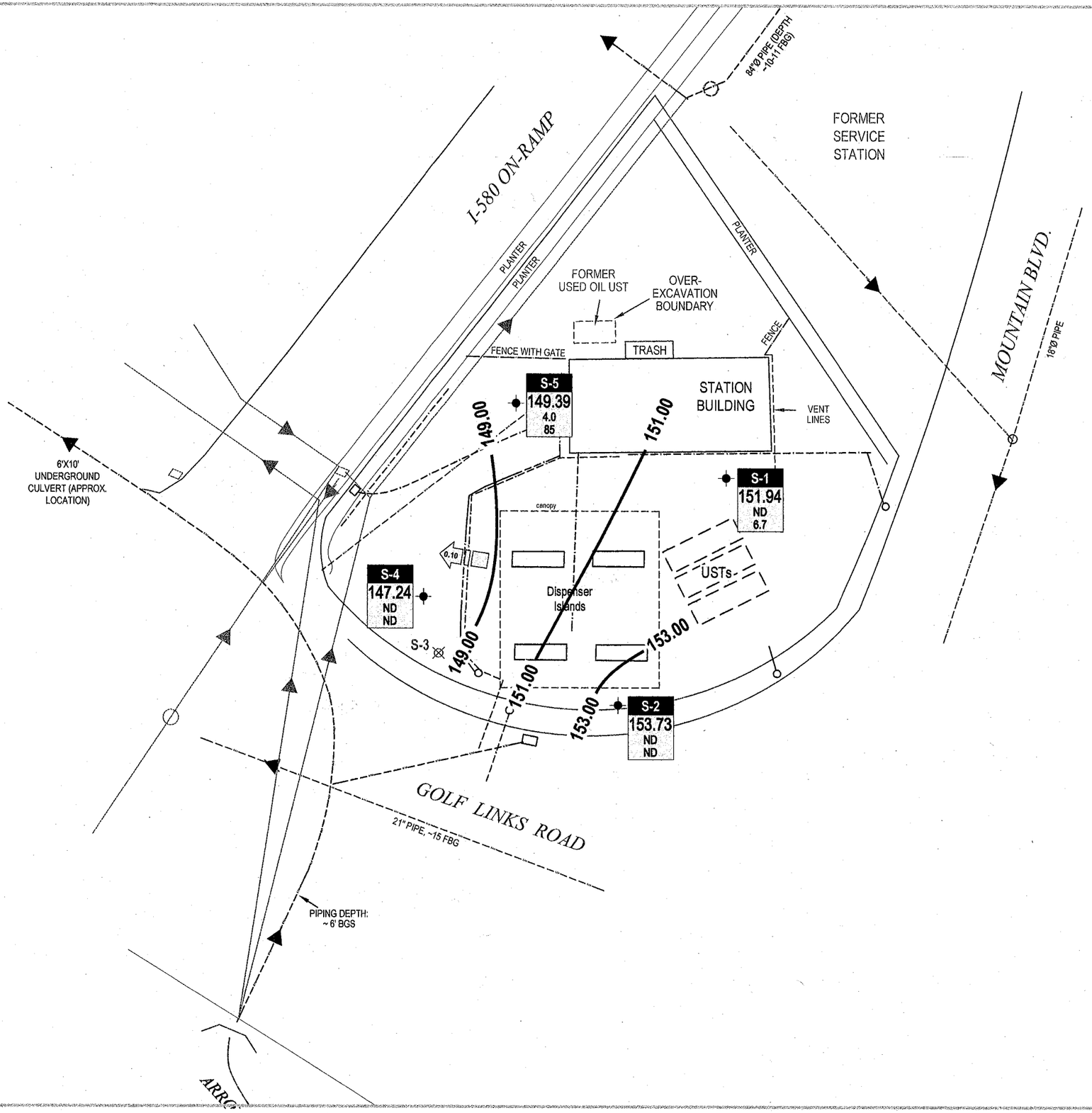
Vicinity Map

07/08/08

EXPLANATION

- S-1 ⊕ Monitoring well location
- S-3 ⊠ Attempted monitoring well location
- Storm drain line (STM)
- Former storm drain line
- Sanitary sewer line (SAN)
- Electrical line (E)
- Water line (W)
- Flow direction
- Groundwater flow direction and gradient (x.xx)
- XX.XX Groundwater elevation contour, in feet above mean sea level (msl)
- Well designation
- ELEV — Groundwater elevation, in feet above msl
- Benzene / MTBE — Benzene and MTBE concentrations are in micrograms per liter

Notes:
ND = Not detected



N

0 15 30 60

Scale (ft)

J:\SHELL\OAKLAND 9750 GOLF LINKS\FIGURES\2QM08.DWG

Groundwater Contour and Chemical Concentration Map

May 28, 2008

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station

9750 Golf Links Road
Oakland, California

FIGURE

2

Attachment A

Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

June 18, 2008

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

Second Quarter 2008 Groundwater Monitoring at
Shell-branded Service Station
9750 Golf Links Road
Oakland, CA

Monitoring performed on May 28, 2008

Groundwater Monitoring Report **080528-BD-2**

This report covers the routine monitoring of groundwater wells at this 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: Peter Schaefer
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

WELL CONCENTRATIONS
Shell-branded Service Station
9750 Golf Links Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	Methanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
S-1	03/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160.54	7.65	152.89
S-1	03/23/2005	13,000	<13	<13	89	70	1,400	<50	<50	<50	460	<13	<13	<1,300	<500	160.54	7.62	152.92
S-1	06/16/2005	9,500	<5.0	<5.0	130	66	860	<20	<20	<20	780	<5.0	<5.0	<500	2,800	160.54	7.91	152.63
S-1	08/02/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<500	160.54	8.44	152.10
S-1	08/29/2005	1,300 a	<5.0	<5.0	<5.0	<10	1,300	<20	<20	<20	1,600	<5.0	<5.0	<500	<500	160.54	8.88	151.66
S-1	12/15/2005	3,710	<0.500	<0.500	8.28	<0.500	65.4	<0.500	<0.500	<0.500	847	<0.500	<0.500	<50.0	<10,000	160.54	8.55	151.99
S-1	03/08/2006	2,400 h	1.3	<0.50	6.9	3.8	61 f	<0.50	<0.50 i	<0.50 i	250	<0.50 i	<0.50	<100	<250 d	160.54	7.25	153.29
S-1	06/14/2006	1,300	1.5	<1.0	2.3	<1.0	77	NA	NA	<1.0	400	NA	NA	NA	NA	160.54	8.29	152.25
S-1	09/06/2006	700 k	<1.0 k	<1.0 k	1.7 k	<1.0 k	42 k	<1.0 k	<1.0 k	<1.0 k	630 k	NA	NA	NA	<400 j	160.54	8.92	151.62
S-1	12/27/2006	1,500	<0.50	<0.50	2.2	0.60	15	NA	NA	<0.50	130	NA	NA	NA	NA	160.54	7.40	153.14
S-1	03/19/2007	2,300	<0.50	<0.50	1.4	0.81	13	NA	NA	<0.50	130	NA	NA	NA	NA	160.54	7.91	152.63
S-1	06/19/2007	1,900 l,m	0.20 n	<1.0	0.86 n	0.19 n	12	NA	NA	<2.0	200	NA	NA	NA	NA	160.54	8.30	152.24
S-1	09/12/2007	720 l,m	0.19 n	<1.0	<1.0	<1.0	26	<2.0	<2.0	<2.0	130	NA	NA	NA	<100 l	160.54	8.80	151.74
S-1	12/10/2007	1,100 l	<0.50	<1.0	0.33 n	0.22 n	6.4	NA	NA	<2.0	110	NA	NA	NA	NA	160.54	8.07	152.47
S-1	02/27/2008	2,800 l,m	<0.50	<1.0	<1.0	<1.0	16	NA	NA	<2.0	110	NA	NA	NA	NA	160.54	7.58	152.96
S-1	**05/28/2008**	**680**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**6.7**	**NA**	**NA**	**<2.0**	**56**	**NA**	**NA**	**NA**	**NA**	**160.54**	**8.60**	**151.94**
S-2	03/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	160.23	5.64	154.59
S-2	03/23/2005	<50	<0.50	<0.50	<0.50	<1.0	5.3	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	<500	160.23	5.20	155.03
S-2	06/16/2005	<50	<0.50	<0.50	<0.50	<1.0	2.2	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	<500	160.23	5.94	154.29
S-2	08/29/2005	<50	<0.50	<0.50	<0.50	<1.0	2.7	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	<500	160.23	6.56	153.67
S-2	12/15/2005	<50.0	<0.500	<0.500 c	<0.500	<0.500	17.9	<0.500	<0.500	<0.500	58.4	<0.500	<0.500	<50.0	<10,000	160.03 b	5.77	154.26
S-2	03/08/2006	<50 f	<0.50	<0.50	<0.50	<0.50	2.5 f	<0.50	<0.50 i	<0.50 i	20	<0.50 i	<0.50	<100	<100	160.03 b	5.10	154.93
S-2	06/14/2006	<50	<0.50	<0.50	<0.50	<0.50	2.8	NA	NA	<0.50	<20	NA	NA	NA	NA	160.03 b	6.00	154.03
S-2	09/06/2006	<50 k	<0.50 k	<0.50 k	<0.50 k	<0.50 k	4.9 k	<0.50 k	<0.50 k	<0.50 k	<20 k	NA	NA	NA	<100	160.03 b	6.49	153.54
S-2	12/27/2006	<50	<0.50	<0.50	<0.50	<0.50	2.0	NA	NA	<0.50	<20	NA	NA	NA	NA	160.03 b	5.50	154.53
S-2	03/19/2007	<50	<0.50	<0.50	<0.50	<0.50	2.3	NA	NA	<0.50	<20	NA	NA	NA	NA	160.03 b	5.70	154.33
S-2	06/19/2007	<50 l	<0.50	<1.0	<1.0	<1.0	1.1	NA	NA	<2.0	<10	NA	NA	NA	NA	160.03 b	6.19	153.84

WELL CONCENTRATIONS
Shell-branded Service Station
9750 Golf Links Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	Methanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
S-2	09/12/2007	<50 l	<0.50	<1.0	<1.0	<1.0	2.7	<2.0	<2.0	<2.0	<10	NA	NA	NA	<100 l	160.03 b	6.57	153.46
S-2	12/10/2007	<50 l	<0.50	<1.0	<1.0	<1.0	3.3	NA	NA	<2.0	<10	NA	NA	NA	NA	160.03 b	5.70	154.33
S-2	02/27/2008	<50 l	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	<10	NA	NA	NA	NA	160.03 b	5.48	154.55
S-2	**05/28/2008**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**<2.0**	**<10**	**NA**	**NA**	**NA**	**NA**	**160.03 b**	**6.30**	**153.73**
S-4	03/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	158.23	9.83	148.40
S-4	03/23/2005	<100	<1.0	<1.0	<1.0	<2.0	260	<4.0	<4.0	<4.0	<10	<1.0	<1.0	<100	<500	158.23	9.55	148.68
S-4	06/16/2005	<50	<0.50	<0.50	<0.50	<1.0	8.0	<2.0	<2.0	<2.0	<5.0	<0.50	<0.50	<50	<500	158.23	10.25	147.98
S-4	08/29/2005	<50	<0.50	<0.50	<0.50	<1.0	71	<2.0	<2.0	<2.0	5.6	<0.50	<0.50	<50	<500	158.23	10.60	147.63
S-4	12/15/2005	345	<0.500	<0.500 c	<0.500	<0.500	296	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0	<10,000	158.23	10.38	147.85
S-4	03/08/2006	73 g	<0.50	<0.50	<0.50	<0.50	0.72 f	<0.50	<0.50 i	<0.50 i	<20	<0.50 i	<0.50	<100	<100	158.23	9.60	148.63
S-4	06/14/2006	<50	<0.50	<0.50	<0.50	0.51	0.50	NA	NA	<0.50	<20	NA	NA	NA	NA	158.23	10.30	147.93
S-4	09/06/2006	<50 k	<0.50 k	<0.50 k	<0.50 k	<0.50 k	3.6 k	<0.50 k	<0.50 k	<0.50 k	<20 k	NA	NA	NA	<100	158.23	10.57	147.66
S-4	12/27/2006	<50	<0.50	<0.50	<0.50	<0.50	4.7	NA	NA	<0.50	<20	NA	NA	NA	NA	158.23	10.40	147.83
S-4	03/19/2007	<50	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	<0.50	<20	NA	NA	NA	NA	158.23	10.43	147.80
S-4	06/19/2007	93 l,m	<0.50	<1.0	<1.0	<1.0	8.4	NA	NA	<2.0	<10	NA	NA	NA	NA	158.23	10.52	147.71
S-4	09/12/2007	<50 l	<0.50	<1.0	<1.0	<1.0	3.7	<2.0	<2.0	<2.0	<10	NA	NA	NA	<100 l	158.23	10.71	147.52
S-4	12/10/2007	<50 l	<0.50	<1.0	<1.0	<1.0	1.7	NA	NA	<2.0	<10	NA	NA	NA	NA	158.23	10.66	147.57
S-4	02/27/2008	<50 l	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	<2.0	<10	NA	NA	NA	NA	158.23	10.12	148.11
S-4	**05/28/2008**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**NA**	**NA**	**<2.0**	**<10**	**NA**	**NA**	**NA**	**NA**	**158.23**	**10.99**	**147.24**
S-5	03/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	159.69	10.62	149.07
S-5	03/23/2005	<1,300	13	<13	26	60	2,800	<50	<50	<50	<130	<13	<13	<1,300	<500	159.69	11.49	148.20
S-5	06/16/2005	<1,300	45	<13	53	<25	2,300	<50	<50	<50	380	<13	<13	<1,300	<500	159.69	10.30	149.39
S-5	08/29/2005	<1,300	31	<13	60	<25	1,700	<50	<50	<50	320	<13	<13	<1,300	<500	159.69	10.70	148.99
S-5	12/15/2005	2,700	11.1	2.31 c	80.2	6.62	823	<0.500	<0.500	<0.500	233	<0.500	<0.500	<50.0	<10,000	159.69	11.20	148.49
S-5	03/08/2006	360 g	<0.50	<0.50	<0.50	<0.50	340 e	<0.50	<0.50 i	1.2 i	49	<0.50 i	<0.50	<100	<250 d	159.69	10.05	149.64
S-5	06/14/2006	510	<5.0	<5.0	<5.0	<5.0	720	NA	NA	<5.0	<200	NA	NA	NA	NA	159.69	10.20	149.49

WELL CONCENTRATIONS
Shell-branded Service Station
9750 Golf Links Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	Methanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
S-5	09/06/2006	1,100 k	8.6 k	<5.0 k	35 k	<5.0 k	830 k	<5.0 k	<5.0 k	<5.0 k	240 k	NA	NA	NA	<200 j	159.69	10.65	149.04
S-5	12/27/2006	1,000	12	<5.0	38	6.2	510.0	NA	NA	<5.0	<200	NA	NA	NA	NA	159.69	10.42	149.27
S-5	03/19/2007	1,200	18	<10	31	<10	540	NA	NA	<10	<400	NA	NA	NA	NA	159.69	10.20	149.49
S-5	06/19/2007	840 l	0.34 n	<1.0	0.78 n	<1.0	25	NA	NA	<2.0	9.6 n	NA	NA	NA	NA	159.69	10.08	149.61
S-5	09/12/2007	520 l	14	0.46 n	4.7	<1.0	420	<2.0	<2.0	1.1 n	150	NA	NA	NA	<100 l	159.69	10.90	148.79
S-5	12/10/2007	430 l	15	<5.0	9.2	<5.0	390	NA	NA	<10	270	NA	NA	NA	NA	159.69	10.93	148.76
S-5	02/27/2008	120 l	0.93	<1.0	4.6	<1.0	21	NA	NA	<2.0	24	NA	NA	NA	NA	159.69	7.55	152.14
S-5	**05/28/2008**	**310**	**4.0**	**1.0**	**7.4**	**1.0**	**85**	**NA**	**NA**	**<2.0**	**110**	**NA**	**NA**	**NA**	**NA**	**159.69**	**10.30**	**149.39**

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260
1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B
EDB = Ethylene dibromide, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
9750 Golf Links Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	Ethanol (ug/L)	Methanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Notes:

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

b = Top of casing altered -0.20 ft. due to wellhead maintenance on September 27, 2005.

c = Analyte was detected in the associated Method Blank.

d = The reporting limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

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

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

g = Result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.

h = Concentration indicated for this analyte is an estimated value above the calibration range of the instrument.

i = Result was reported with a possible high bias due to the continuing calibration verification falling outside acceptance criteria.

j = The reporting limit for this analyte has been raised to account for matrix interference.

k = There was insufficient preservative to reduce the sample pH to less than 2. The sample was analyzed within 14 days of sampling but beyond the 7 days recommended for Benzene, Toluene, and Ethylbenzene.

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

m = 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.

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

Ethanol and Methanol analyzed by EPA Method 8260B.

Site surveyed March 23, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

Calscience
Environmental
Laboratories, Inc.

June 11, 2008

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

Subject: **Calscience Work Order No.:** **08-05-2601**
Client Reference: **9750 Golf Links Rd., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 5/30/2008 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 05/30/08
Work Order No: 08-05-2601
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 9750 Golf Links Rd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-1	08-05-2601-1-A	05/28/08 13:40	Aqueous	GC/MS T	06/07/08	06/07/08 20:58	080607L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	680	50	1		o-Xylene	ND	1.0	1	
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	6.7	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	56	10	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	70-130		1,4-Bromofluorobenzene-TPPH	95	70-130	

S-2	08-05-2601-2-A	05/28/08 12:36	Aqueous	GC/MS T	06/07/08	06/08/08 01:21	080607L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		o-Xylene	ND	1.0	1	
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	70-130		1,4-Bromofluorobenzene-TPPH	94	70-130	

S-4	08-05-2601-3-A	05/28/08 12:15	Aqueous	GC/MS T	06/07/08	06/08/08 02:48	080607L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		o-Xylene	ND	1.0	1	
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	70-130		1,4-Bromofluorobenzene-TPPH	95	70-130	

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: 05/30/08
Work Order No: 08-05-2601
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 9750 Golf Links Rd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	08-05-2601-4-A	05/28/08 13:00	Aqueous	GC/MS T	06/07/08	06/08/08 03:17	080607L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	310	50	1		o-Xylene	ND	1.0	1	
Benzene	4.0	0.50	1		Methyl-t-Butyl Ether (MTBE)	85	1.0	1	
Ethylbenzene	7.4	1.0	1		Tert-Butyl Alcohol (TBA)	110	10	1	
Toluene	1.0	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	1.0	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	70-130		1,4-Bromofluorobenzene-TPPH	92	70-130	

Method Blank	099-12-715-430	N/A	Aqueous	GC/MS T	06/07/08	06/07/08 13:13	080607L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		o-Xylene	ND	1.0	1	
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	70-130		1,4-Bromofluorobenzene-TPPH	94	70-130	

Method Blank	099-12-715-434	N/A	Aqueous	GC/MS T	06/07/08	06/08/08 00:51	080607L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		o-Xylene	ND	1.0	1	
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	70-130		1,4-Bromofluorobenzene-TPPH	95	70-130	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.		Date Received:	05/30/08
1680 Rogers Avenue		Work Order No:	08-05-2601
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project 9750 Golf Links Rd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-05-2603-1	Aqueous	GC/MS T	06/07/08	06/07/08	080607S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	99	70-130	0	0-30	
Ethylbenzene	99	96	70-130	3	0-30	
Toluene	98	96	70-130	2	0-30	
p/m-Xylene	98	89	70-130	10	0-30	
o-Xylene	97	89	70-130	8	0-30	
Methyl-t-Butyl Ether (MTBE)	97	98	70-130	2	0-30	
Tert-Butyl Alcohol (TBA)	101	101	70-130	0	0-30	
Diisopropyl Ether (DIPE)	95	96	70-130	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	93	96	70-130	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	92	96	70-130	3	0-30	
Ethanol	97	100	70-130	3	0-30	

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: 05/30/08
Work Order No: 08-05-2601
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 9750 Golf Links Rd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-2	Aqueous	GC/MS T	06/07/08	06/08/08	080607S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	100	70-130	0	0-30	
Ethylbenzene	100	99	70-130	1	0-30	
Toluene	100	99	70-130	1	0-30	
p/m-Xylene	101	99	70-130	2	0-30	
o-Xylene	101	99	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	109	105	70-130	4	0-30	
Tert-Butyl Alcohol (TBA)	113	111	70-130	2	0-30	
Diisopropyl Ether (DIPE)	99	97	70-130	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	100	98	70-130	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	100	98	70-130	2	0-30	
Ethanol	106	107	70-130	0	0-30	

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: 08-05-2601
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 9750 Golf Links Rd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-715-430	Aqueous	GC/MS T	06/07/08	06/07/08	080607L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPPH	87	87	65-135	0	0-30	
Benzene	98	97	70-130	1	0-30	
Ethylbenzene	99	98	70-130	1	0-30	
Toluene	99	98	70-130	2	0-30	
p/m-Xylene	100	99	70-130	1	0-30	
o-Xylene	100	98	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	100	99	70-130	2	0-30	
Tert-Butyl Alcohol (TBA)	102	98	70-130	3	0-30	
Diisopropyl Ether (DIPE)	98	95	70-130	3	0-30	
Ethyl-t-Butyl Ether (ETBE)	98	97	70-130	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	97	96	70-130	1	0-30	
Ethanol	105	92	70-130	13	0-30	

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.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	08-05-2601
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project: 9750 Golf Links Rd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-715-434	Aqueous	GC/MS T	06/07/08	06/07/08	080607L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPPH	88	87	65-135	2	0-30	
Benzene	101	103	70-130	1	0-30	
Ethylbenzene	102	102	70-130	0	0-30	
Toluene	102	102	70-130	0	0-30	
p/m-Xylene	104	103	70-130	1	0-30	
o-Xylene	102	102	70-130	0	0-30	
Methyl-t-Butyl Ether (MTBE)	104	105	70-130	1	0-30	
Tert-Butyl Alcohol (TBA)	105	104	70-130	0	0-30	
Diisopropyl Ether (DIPE)	100	100	70-130	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	100	101	70-130	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	100	99	70-130	1	0-30	
Ethanol	107	108	70-130	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-05-2601

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.
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
PO #:
INCIDENT # (ENV SERVICES): 98995744 ☐ CHECK IF NO INCIDENT # APPLIES
SAP #:
DATE: 5/28/08
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 9750 Golf Links Rd. Oakland
State: CA
GLOBAL ID NO.: T0600101931
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112
EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville
PHONE NO.: (510) 420-3335
E-MAIL: Shelledf@craworld.com
CONSULTANT PROJECT NO: 080528-SD2
BTS #:
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata
SAMPLER NAME(S) (Print): B. Doshier
LAB USE ONLY: 05-2601
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 :
☐ SHELL CONTRACT RATE APPLIES
☐ STATE REIMBURSEMENT RATE APPLIES
☐ EDD NOT NEEDED
☑ RECEIPT VERIFICATION REQUESTED

R/L Methanol = 500 ppb

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	S-1	5/28/08	1340	W	X					3	X		X		X	X		X						
2	S-2		1234	W	X					3	X		X		X	X		X						
3	S-4		1215	W	X					3	X		X		X	X		X						
4	S-5		1300	W	X					3	X		X		X	X		X						

TEMPERATURE ON RECEIPT C°:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		5/28/08	1712
(Sample Custodian)	Tom O'Malley CEL	5/29/08	0955
5-29-08 1730		5/30/08	1000

509664397

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 05 - 2601

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech DATE: 5/30/08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.4 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: JP

CUSTODY SEAL INTACT:

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

Initial: JP

SAMPLE CONDITION:

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

Initial: JP

COMMENTS:

WELL GAUGING DATA

Project # 080528-BD2 Date 5/28/08 Client shell

Site 9750 Golf Links Rd 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
4 S-1	1135	4					8.60	17.45		
2 S-2	1125	4					6.30	11.78		
1 S-4	1119	4	-				10.99	13.40		
3 S-5	1129	4					10.30	14.00		

SHELL WELL MONITORING DATA SHEET

BTS #: 080528-BD2	Site: 98995744
Sampler: BD	Date: 5/28/08
Well I.D.: S-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.45	Depth to Water (DTW): 8.60
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 (8.85) x 0.20) + DTW]: 10.37	

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:_____

5.7 (Gals.) X 3 = 17.1 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 (°C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1326	19.8	7.28	749	20	5.7	clear/odor
1327	20.1	7.08	733	16	11.4	↓
~~1328~~	* Well dewatered @ 11.4 gals					

Did well dewater? (Yes) No — Gallons actually evacuated: 11.4

Sampling Date: 5/28/08 — Sampling Time: 1340 — Depth to Water: 10.37

Sample I.D.: S-1 — Laboratory: STL Other CAL SCI

Analyzed for: TPH-G BTEX MTBE TPH-D — Other: see COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D — Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 080528-BD2	Site: 9894 5744
Sampler: BD	Date: 5/28/08
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.78	Depth to Water (DTW): 6.30
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 5.48 x 0.20) + DTW]: 7.39	

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: ____

3.5 (Gals.) X 3 = 10.5 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 * 0.1 63

Time	Temp (°C/°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1232	20.3	7.02	616	214	3.5	cloudy
1233	20.5	6.96	807	25	7.0	clear
1234	20.4	7.06	826	27	10.5	↓

Did well dewater? Yes (No) Gallons actually evacuated: 10.5

Sampling Date: 5/28/08 Sampling Time: 1236 Depth to Water: 6.80

Sample I.D.: S-2 Laboratory: STL Other CAL SCI

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 080528-BD2	Site: 98995744
Sampler: BD	Date: 5/28/08
Well I.D.: S-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 13.40	Depth to Water (DTW): 10.99
Depth to Free Product:	Thickness of Free Product (feet): ~~11.47~~
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 2.41 x 0.20) + DTW]: 11.47	

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:_____

1.5 (Gals.) X 3 = 4.5 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 (°C) ~~(°F)~~	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1206	18.7	7.23	879	194	1.5	orange
1209	18.7	7.09	867	174	3.0	orange cloudy
	* well dewatered @ 3 gals *					
1215	19.0	7.02	872	193		cloudy

Did well dewater? (Yes) No Gallons actually evacuated: 3.0

Sampling Date: 5/28/08 Sampling Time: 1215 Depth to Water: 11.80

Sample I.D.: S-4 Laboratory: STL Other CAL SCI

Analyzed for: TPH-G BTEX MTBE TPH-D Other: see COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

SHELL WELL MONITORING DATA SHEET

BTS #: 080528-BD2	Site: 98995744
Sampler: BD	Date: 5/29/08
Well I.D.: S-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.00	Depth to Water (DTW): 10.30
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 3.7 x 0.20) + DTW]: 11.04	

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: _____

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

2.4 (Gals.) X 3 = 7.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1250	20.1	7.26	808	22	2.4	clear/odor
~~1251~~	* well dewatered @ 3.5 gals *					
~~1252~~	Reading missed @ sampling					

Did well dewater? Yes No Gallons actually evacuated: 3.5

Sampling Date: 5/29/08 Sampling Time: 1300 Depth to Water: 11.04

Sample I.D.: S-5 Laboratory: STL Other CAL SCI

Analyzed for: TPH-G BTEX MTBE TPH-D Other: SEE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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