CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: October 8, 2008

REFERENCE NO.: 240735

PROJECT NAME: 9750 Golf Links Road, Oakland

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

RECEIVED
1:41 pm, Oct 13, 2008
Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Third Quarter 2008

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

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

Copy to: Denis Brown
SF Data Room

Completed by: Peter Schaefer [Please Print]

Signed: Peter Schaefer

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: 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

GROUNDWATER MONITORING REPORT – THIRD QUARTER 2008

SHELL-BRANDED SERVICE STATION
9750 GOLF LINKS ROAD
OAKLAND, CALIFORNIA

SAP CODE	135683
INCIDENT NO.	98995744
AGENCY NO.	RO0002441

OCTOBER 8, 2008
REF. NO. 240735 (1)
This report is printed on recycled paper.

Prepared by:
Conestoga-Rovers & Associates

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

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

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(Following Text)

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	9750 Golf Links Road, Oakland
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
CRA Project Manager	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 was August 8, 2008.

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.

As noted in Alameda County Health Care Services Agency's July 3, 2008 letter, files for this site were not uploaded to the correct global ID number in the State Water Resources Control Board's GeoTracker database. CRA worked with GeoTracker staff, and the files were transferred to the correct global ID number on August 13, 2008.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Northwesterly
Hydraulic Gradient	0.07
Depth to Water	8.58 to 11.13 feet below top of well casing

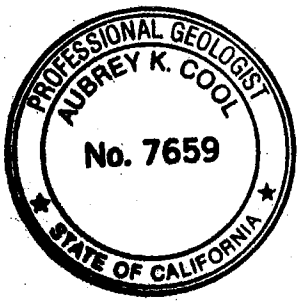
2.3 PROPOSED ACTIVITIES FOR NEXT QUARTER

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

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

Peter Schaefer, CHG, CEG
Project Manager

Aubrey K. Cool, PG
Professional Geologist



FIGURES

09/23/08

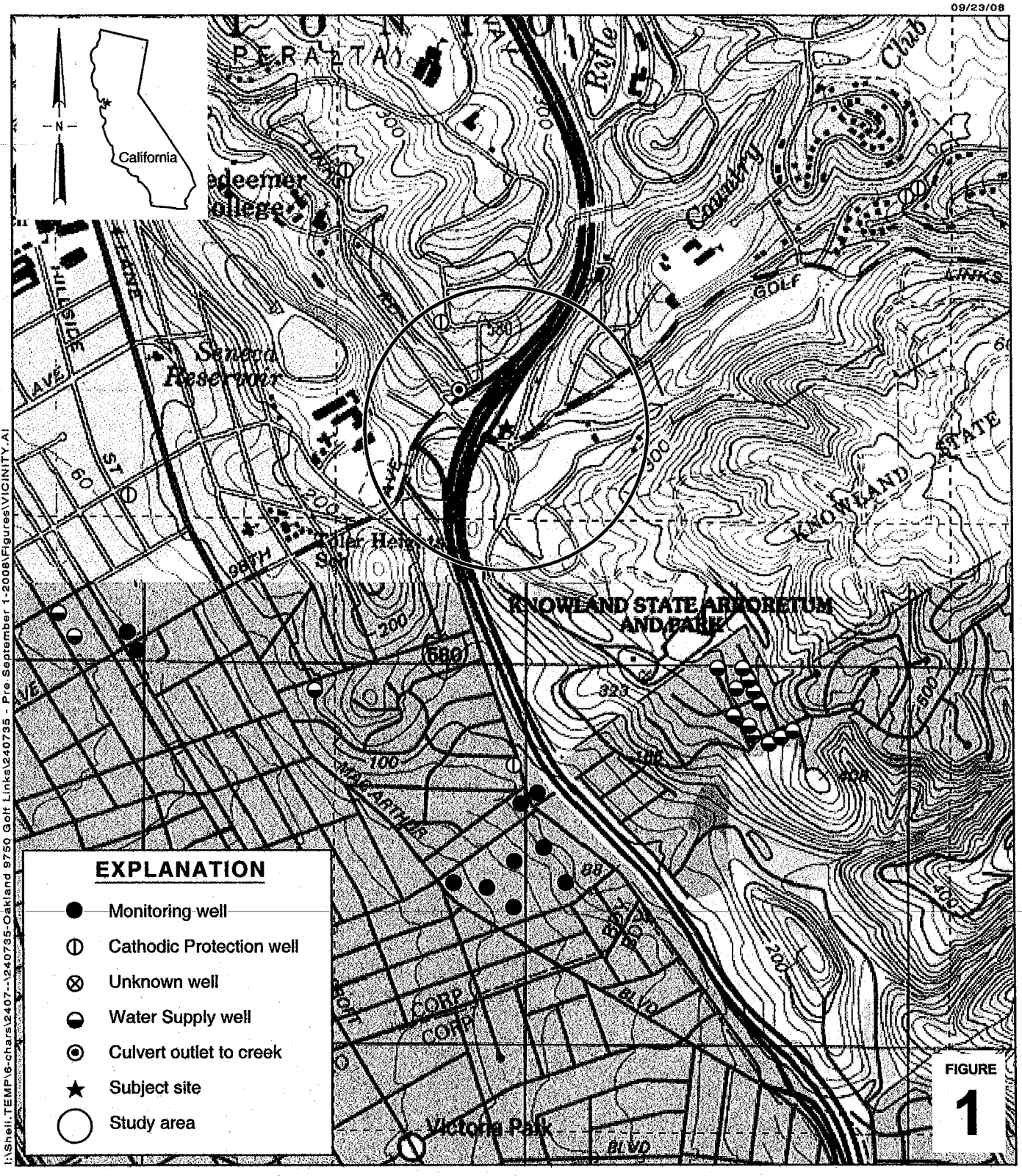


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FIGURE
1

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

CONESTOGA-ROVERS
& ASSOCIATES

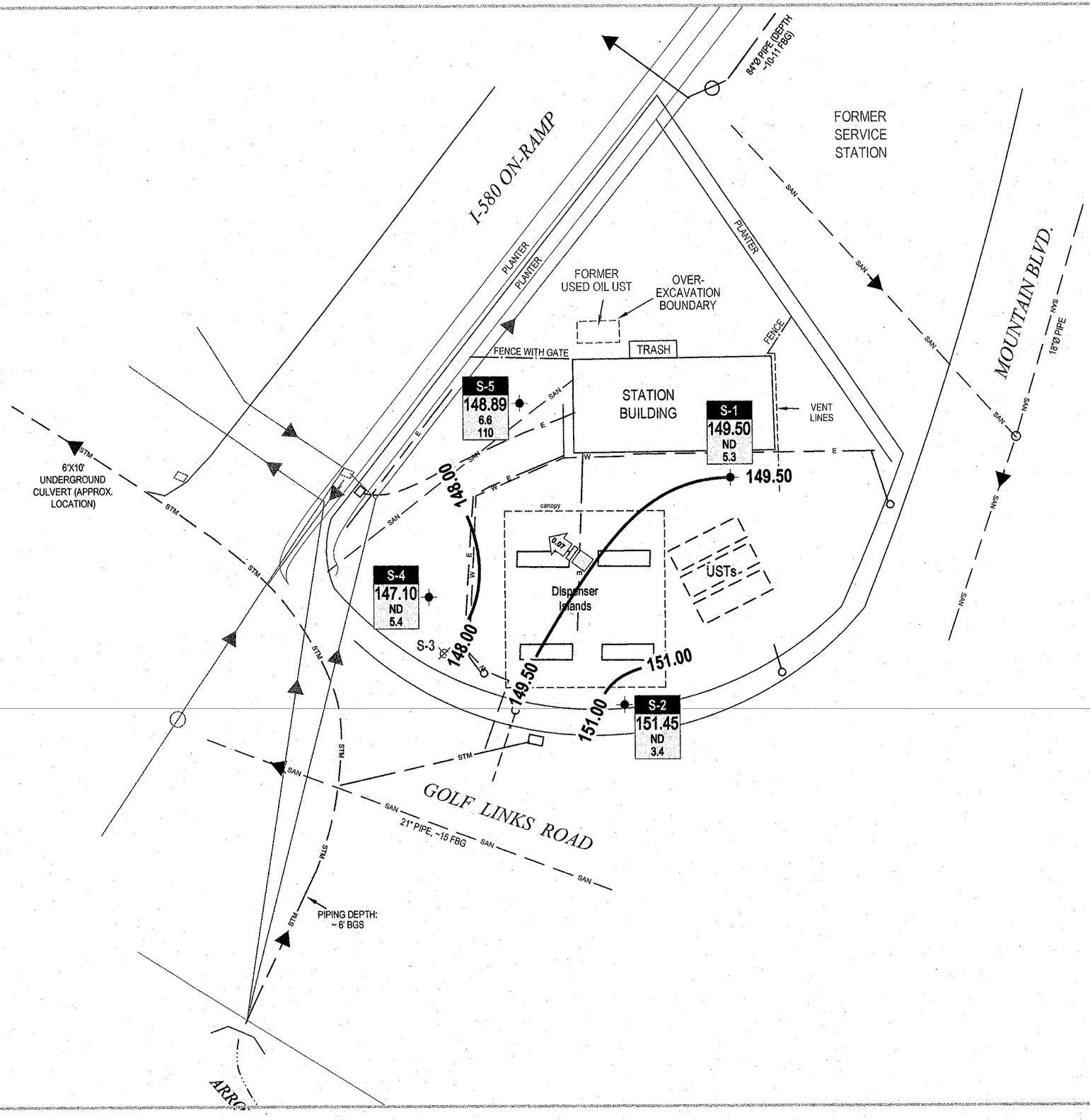
Vicinity Map

09/23/06

EXPLANATION

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

Notes:
ND = Not detected



Groundwater Contour and Chemical Concentration Map

August 29, 2008

CONESTOGA-ROVERS & ASSOCIATES

Shell-branded Service Station

9750 Golf Links Road
Oakland, California

FIGURE
2

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APPENDIX A

BLAINE TECH SERVICES, INC. – GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

September 18, 2008

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

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

Monitoring performed on August 29, 2008

Groundwater Monitoring Report **080829-EC-1**

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: Anni Kreml
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-1	**08/29/2008**	**110**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**5.3**	**<2.0**	**<2.0**	**<2.0**	**69**	**NA**	**NA**	**NA**	**<100 l**	**160.54**	**11.04**	**149.50**
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

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	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
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-2	**08/29/2008**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**3.4**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**NA**	**NA**	**<100 l**	**160.03 b**	**8.58**	**151.45**
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-4	**08/29/2008**	**<50**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**5.4**	**<2.0**	**<2.0**	**<2.0**	**<10**	**NA**	**NA**	**NA**	**<100 l**	**158.23**	**11.13**	**147.10**
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

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	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
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
S-5	**08/29/2008**	**390**	**6.6**	**<1.0**	**3.2**	**<1.0**	**110**	**<2.0**	**<2.0**	**<2.0**	**140**	**NA**	**NA**	**NA**	**<100 l**	**159.69**	**10.80**	**148.89**

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)

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.

September 16, 2008

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

Subject: **Calscience Work Order No.:** **08-08-2724**
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 8/30/2008 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

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

Date Received: 08/30/08
Work Order No: 08-08-2724
Preparation: N/A
Method: EPA 8015B(M)

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	08-08-2724-1-D	08/29/08 11:43	Aqueous	GC 9	N/A	09/04/08 15:19	080904L03

Parameter	Result	RL	DF	Qual	Units
Methanol	ND	0.10	1		mg/L

Surrogates:	REC (%)	Control Limits	Qual
Hexafluoro-2-propanol	83	63-147	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	08-08-2724-2-D	08/29/08 09:08	Aqueous	GC 9	N/A	09/04/08 15:41	080904L03

Parameter	Result	RL	DF	Qual	Units
Methanol	ND	0.10	1		mg/L

Surrogates:	REC (%)	Control Limits	Qual
Hexafluoro-2-propanol	83	63-147	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	08-08-2724-3-D	08/29/08 10:45	Aqueous	GC 9	N/A	09/04/08 16:02	080904L03

Parameter	Result	RL	DF	Qual	Units
Methanol	ND	0.10	1		mg/L

Surrogates:	REC (%)	Control Limits	Qual
Hexafluoro-2-propanol	83	63-147	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	08-08-2724-4-D	08/29/08 11:36	Aqueous	GC 9	N/A	09/04/08 16:23	080904L03

Parameter	Result	RL	DF	Qual	Units
Methanol	ND	0.10	1		mg/L

Surrogates:	REC (%)	Control Limits	Qual
Hexafluoro-2-propanol	82	63-147	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	08/30/08
1680 Rogers Avenue		Work Order No:	08-08-2724
San Jose, CA 95112-1105		Preparation:	N/A
		Method:	EPA 8015B(M)

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
Method Blank	**099-12-006-2,591**	**N/A**	**Aqueous**	**GC 9**	**N/A**	**09/04/08 13:08**	**080904L03**

Parameter	Result	RL	DF	Qual	Units
Methanol	ND	0.10	1		mg/L

Surrogates:	REC (%)	Control Limits	Qual
Hexafluoro-2-propanol	110	63-147	

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: 08/30/08
Work Order No: 08-08-2724
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	08-08-2724-1-A	08/29/08 11:43	Aqueous	GC/MS LL	09/09/08	09/10/08 06:26	080909L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	110	50	1		Methyl-t-Butyl Ether (MTBE)	5.3	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	69	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	70-130		1,4-Bromofluorobenzene-TPPH	100	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	08-08-2724-2-A	08/29/08 09:08	Aqueous	GC/MS LL	09/09/08	09/10/08 07:15	080909L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	3.4	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	70-130		1,4-Bromofluorobenzene-TPPH	97	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	08-08-2724-3-A	08/29/08 10:45	Aqueous	GC/MS WW	09/09/08	09/09/08 15:53	080909L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	5.4	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	70-130		1,4-Bromofluorobenzene-TPPH	103	70-130	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	08/30/08
1680 Rogers Avenue	Work Order No:	08-08-2724
San Jose, CA 95112-1105	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	**08-08-2724-4-A**	**08/29/08 11:36**	**Aqueous**	**GC/MS LL**	**09/09/08**	**09/10/08 06:50**	**080909L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	390	50	1		Methyl-t-Butyl Ether (MTBE)	110	1.0	1	
Benzene	6.6	0.50	1		Tert-Butyl Alcohol (TBA)	140	10	1	
Ethylbenzene	3.2	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	70-130			1,4-Bromofluorobenzene-TPPH	99	70-130		

Method Blank	099-12-715-856	N/A	Aqueous	GC/MS WW	09/09/08	09/09/08 15:25	080909L01

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

Method Blank	099-12-715-861	N/A	Aqueous	GC/MS LL	09/09/08	09/10/08 03:38	080909L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.	Date Received: 08/30/08
1680 Rogers Avenue	Work Order No: 08-08-2724
San Jose, CA 95112-1105	Preparation: N/A
	Method: EPA 8015B(M)

Project 9750 Golf Links Rd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-09-0100-1	Aqueous	GC 9	N/A	09/04/08	080904S03

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Methanol	98	99	64-118	1	0-20	
Ethanol	102	98	73-109	4	0-23	
2-Butanol	111	124	70-130	11	0-25	
Isopropanol	92	89	70-130	3	0-25	

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: 08/30/08
Work Order No: 08-08-2724
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-4	Aqueous	GC/MS WW	09/09/08	09/09/08	080909S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	81	79	70-130	3	0-30	
Ethylbenzene	85	84	70-130	1	0-30	
Toluene	82	82	70-130	0	0-30	
p/m-Xylene	85	84	70-130	0	0-30	
o-Xylene	88	87	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	99	99	70-130	0	0-30	
Tert-Butyl Alcohol (TBA)	71	74	70-130	4	0-30	
Diisopropyl Ether (DIPE)	93	95	70-130	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	96	97	70-130	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	95	96	70-130	1	0-30	
Ethanol	90	100	70-130	11	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: 08/30/08
Work Order No: 08-08-2724
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
08-08-2750-2	Aqueous	GC/MS LL	09/09/08	09/10/08	080909S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	87	87	70-130	0	0-30	
Ethylbenzene	87	88	70-130	2	0-30	
Toluene	87	88	70-130	1	0-30	
p/m-Xylene	86	88	70-130	1	0-30	
o-Xylene	90	91	70-130	1	0-30	
Methyl-t-Butyl Ether (MTBE)	92	94	70-130	2	0-30	
Tert-Butyl Alcohol (TBA)	90	93	70-130	3	0-30	
Diisopropyl Ether (DIPE)	91	91	70-130	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	90	91	70-130	0	0-30	
Tert-Amyl-Methyl Ether (TAME)	90	92	70-130	2	0-30	
Ethanol	95	99	70-130	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	08-08-2724
San Jose, CA 95112-1105		Preparation:	N/A
		Method:	EPA 8015B(M)

Project: 9750 Golf Links Rd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-006-2,591	Aqueous	GC 9	N/A	09/04/08	080904L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Methanol	74	89	69-117	19	0-22	
2-Butanol	106	104	70-130	1	0-25	
Ethanol	104	108	76-112	3	0-19	

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: 08-08-2724
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
099-12-715-856	Aqueous	GC/MS WW	09/09/08	09/09/08	080909L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	85	89	65-135	53-147	5	0-30	
Benzene	82	85	70-130	60-140	4	0-30	
Ethylbenzene	86	91	70-130	60-140	6	0-30	
Toluene	85	88	70-130	60-140	4	0-30	
p/m-Xylene	86	92	70-130	60-140	6	0-30	
o-Xylene	90	93	70-130	60-140	4	0-30	
Methyl-t-Butyl Ether (MTBE)	94	96	70-130	60-140	2	0-30	
Tert-Butyl Alcohol (TBA)	73	71	70-130	60-140	3	0-30	
Diisopropyl Ether (DIPE)	91	95	70-130	60-140	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	94	98	70-130	60-140	4	0-30	
Tert-Amyl-Methyl Ether (TAME)	93	95	70-130	60-140	2	0-30	
Ethanol	96	86	70-130	60-140	11	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 08-08-2724
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
099-12-715-861	Aqueous	GC/MS LL	09/09/08	09/10/08	080909L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	97	97	65-135	53-147	0	0-30	
Benzene	93	92	70-130	60-140	1	0-30	
Ethylbenzene	95	94	70-130	60-140	1	0-30	
Toluene	93	93	70-130	60-140	1	0-30	
p/m-Xylene	94	93	70-130	60-140	1	0-30	
o-Xylene	96	95	70-130	60-140	0	0-30	
Methyl-t-Butyl Ether (MTBE)	98	95	70-130	60-140	3	0-30	
Tert-Butyl Alcohol (TBA)	93	90	70-130	60-140	4	0-30	
Diisopropyl Ether (DIPE)	94	93	70-130	60-140	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	94	94	70-130	60-140	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	95	93	70-130	60-140	1	0-30	
Ethanol	90	90	70-130	60-140	0	0-30	

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

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-08-2724

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.

2724

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): 98957544
☐ CHECK IF NO INCIDENT # APPLIES
DATE: 8-29-08
PAGE: 1 of 1
PO #:
SAP #:

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.	BTS # 080829-EC-1
PROJECT CONTACT (Hardcopy or PDF Report to)	Michael Ninokata
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SAMPLER NAME(S) (Print)	Eli Chavarria
LAB USE ONLY	08-08-2724

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 :

R/L Methanol = 500 ppb

☐ 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	S-1	8-29-08	1143	W	X					5	X		X	X									X	
2	S-2		0908		X						X		X	X									X	
3	S-4		1045		X						X		X	X									X	
4	S-5		1136		X						X		X	X									X	

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature) E. Elias Chavarria	Received by: (Signature) E. Elias Chavarria (sample custodian)	Date: 8-29-08	Time: 1740
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) Shipped VIA GSO	Received by: (Signature)	Date: 8/29/08	Time: 1900

TRK #: 510276201 GSO

8/30/08

05/2/06 Revision

0.9-30

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 08 - 0827 (24)

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: BTS DATE: 08-30-08

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 (For Air & Filter only).

___ ___.___ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

___ ___.___ °C Temperature blank.
03.2 °C IR thermometer.
_____ Ambient temperature (For Air & Filter only).

Initial: TD

CUSTODY SEAL INTACT:

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

Initial: TD

SAMPLE CONDITION:

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

Initial: TD

COMMENTS:

WELL GAUGING DATA

Project # 080829-EC1 Date 8-29-08 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
S-1	0828	4					11.04	17.40	↓	↓
S-2	0823	4					8.58	11.70		
S-4	0821	4					11.13	13.40		
S-5	0825	4					10.80	14.00		

SHELL WELL MONITORING DATA SHEET

BTS #: 080829-EC1	Site: 9750 Golf Links Rd.
Sampler: EC	Date: 8-29-08
Well I.D.: S-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 17.40	Depth to Water (DTW): 11.04
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]: 12.31	

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: _____

4.1 (Gals.) X 3 = 12.3 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
1003	79.8	6.49	855.3	28		
1004	79.1	6.42	~~811~~ 814.7	40		
1005	77.8	6.39	811.8	73		
				DTW @ 1006	13.11	

Did well dewater? Yes (No) Gallons actually evacuated: 12.3

Sampling Date: 8-29-08 Sampling Time: 1143 Depth to Water: 12.17

Sample I.D.: S-1 Laboratory: STL Other Cal Science

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

6.36

SHELL WELL MONITORING DATA SHEET

BTS #: 080829-EC1	Site: 9750 Golf Links Rd.
Sampler: EC	Date: 8-29-08
Well I.D.: S-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 11.70	Depth to Water (DTW): 8.58
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]: 9.20	

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: _____

2.0 (Gals.) X	3	=	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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0901	75.4	7.01	864.6	21	2	
0902	75.3	6.73	858.1	71	4	
0903	75.3	6.69	859.9	110	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Date: 8-29-08 Sampling Time: 0908 Depth to Water: 9.18

Sample I.D.: S-2 Laboratory: STL Other Cal Science

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

3.12

SHELL WELL MONITORING DATA SHEET

BTS #: 080829-EC1	Site: 9750 Golf Links Rd.
Sampler: EC	Date: 8-29-08
Well I.D.: S-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 13.40	Depth to Water (DTW): 11.13
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]: 11.58	

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: _____

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 (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0840	76.7	6.59	909.8	99	1.5	
0841	75.8	6.64	895.8	250	3.0	
0842	well		dewatered @ 0842 3 gal.			
sample time 1044	79.1	6.61	898.1	107		

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

Sampling Date: 8-29-08 Sampling Time: 1045 Depth to Water: 11.21

Sample I.D.: S-4 Laboratory: STL Other Cal Science

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

2.27

SHELL WELL MONITORING DATA SHEET

BTS #: 080829-EC1	Site: 9750 Golf Links Rd.
Sampler: EC	Date: 8-29-08
Well I.D.: 5-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.02	Depth to Water (DTW): 10.80
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]: 11.44	

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: _____

2 (Gals.) X	3	=	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
0929	72.9	6.61	745.1	46	2	
0930	73.4	6.37	729.7	33	4	
0931	73.4	6.36	747.6	66	6	
				DTW @ 0932 =		12.76

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Date: 8-29-08 Sampling Time: 1136 Depth to Water: 10.98

Sample I.D.: 5-5 Laboratory: STL Other Cal Science

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