



Shell Oil Products US

10343 ✓

September 22, 2004

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

Subject: Former Shell Service Station
461 8th Street
Oakland, California

Alameda County
SEP 24 2004
Environmental Services

Dear Mr. Chan:

Attached for your review and comment is a copy of the *Groundwater Monitoring Report - Third Quarter 2004* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

September 22, 2004

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

Re: **Groundwater Monitoring Report - Third Quarter 2004**
Former Shell Service Station
461 8th Street
Oakland, California
ACHCSA File: RO0000343



Dear Mr. Chan:

Cambria Environmental Technology, Inc. (Cambria) 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.

THIRD QUARTER 2004 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged all site wells, sampled selected wells, and prepared a summary table of field gauging and laboratory analytical data. Cambria prepared a site vicinity and area well survey map (Figure 1) and a groundwater contour/chemical concentration map (Figure 2). Blaine's report, presenting the laboratory report, is included as Appendix A.

Monitoring Well Purging/Mass Removal Data: No purging occurred during this quarter. Following the sample event, well S-5 was evaluated by Blaine, and was determined to be a confined space, given that the well was installed below grade within a utility vault. Blaine's health and safety protocol precludes them from entering a confined space. Therefore, well S-5 will no longer be accessed by Blaine for gauging, sampling, or purging.

As mentioned in previous submittals, over-purging of well S-6 was suspended in an attempt to allow free product to collect for sampling. As of this date, there has not been enough free product available to sample.

**Cambria
Environmental
Technology, Inc.**

270 Perkins Street
P.O. Box 259
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-6649

C A M B R I A

ANTICIPATED FOURTH QUARTER 2004 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample selected wells, and tabulate the data. Cambria will prepare a groundwater monitoring report.

CLOSING

If you have any questions regarding this document, please call Ana Friel at (707) 442-2700.



Sincerely,

Cambria Environmental Technology, Inc.

[Handwritten signature]

for Lisa Summers
Staff Scientist

[Handwritten signature]
for

Ana Friel, RG
Senior Project Geologist
RG 6452



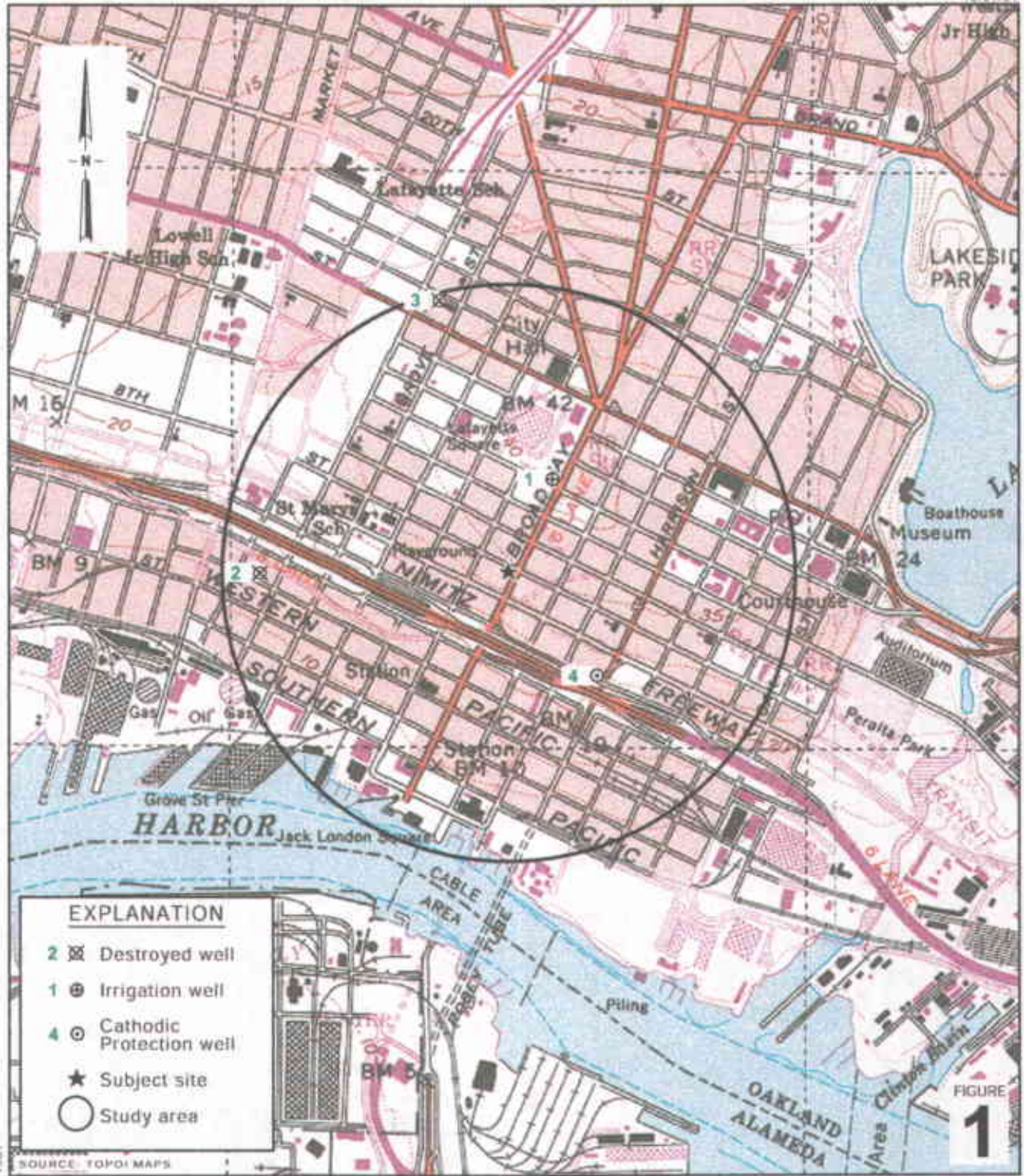
Alameda County
SEP 24 2004
Environmental Health

Attachments:

- Figure 1. Vicinity/Area Well Survey Map
- Figure 2. Groundwater Contour/Chemical Concentration Map

- Appendix A. Blaine Tech Services, Inc. - Groundwater Monitoring Report

cc: Karen Petryna, Shell
Leah Goldberg, Hanson, Bridgett, Marcus, Vlahos, & Rudy
Wells Fargo Bank National Association, Tr. (Property Owners)
R. Casteel & Co.
Leroy Griffin, City of Oakland Fire Prevention Bureau



Former Shell Service Station
 461 8th Street
 Oakland, California



C A M B R I A

**Vicinity/Area Well
 Survey Map**

1/2 Mile Radius

Appendix A
Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE

TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

August 11, 2004

Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Third Quarter 2004 Groundwater Monitoring at
Former Shell Service Station
461 8th Street
Oakland, CA

Monitoring performed on June 17 and July 13, 2004

Groundwater Monitoring Report 040713-DW-1

This report covers the routine monitoring of groundwater wells at this Former Shell 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,

Leon Gearhart
Project Coordinator

LG/ks

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

cc: Ana Friel
Cambria Environmental Technology, Inc.
P.O. Box 259
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	10/26/1988	130	3.8	13	4.0	30	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	02/14/1989	<50	0.5	<1	<1	3.0	NA	NA	93.51 (TOC)	12.82	80.69	NA
S-4	05/01/1989	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	16.48	77.03	NA
S-4	07/27/1989	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.84	77.67	NA
S-4	10/05/1989	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.98	77.53	NA
S-4	01/09/1990	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.86	77.65	NA
S-4	04/30/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	93.51 (TOC)	14.48	79.03	NA
S-4	07/31/1990	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	10/30/1990	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	05/06/1991	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.23	78.28	NA
S-4	06/27/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	93.51 (TOC)	13.54	79.97	NA
S-4	09/24/1991	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.85	77.66	NA
S-4	11/07/1991	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.60	77.91	NA
S-4	02/13/1992	<50	<0.5	<0.5	<0.5	3.0	NA	NA	93.51 (TOC)	14.27	79.24	NA
S-4	05/11/1992	Well dry	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	12/03/1992	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	05/13/1993	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.81	78.70	NA
S-4	07/22/1993	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.42	79.09	NA
S-4	10/20/1993	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA
S-4	01/25/1994	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.60	78.91	NA
S-4	04/25/1994	Well inaccessible		NA	NA	NA	NA	NA	93.51 (TOC)	14.39	79.12	NA
S-4	07/21/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	93.51 (TOC)	22.29	71.22	NA
S-4	10/24/1994	<500	<0.3	<0.3	<0.3	<0.6	NA	NA	93.51 (TOC)	22.72	70.79	NA
S-4	12/22/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	25.77*	22.25	3.52	NA
S-4	04/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	25.77	21.16	4.61	NA
S-4	10/04/1995	<50	1.2	0.7	<0.5	<0.5	NA	NA	25.77	22.25	3.52	NA
S-4	01/03/1996	<50	0.6	<0.5	<0.5	1.7	NA	NA	25.77	23.28	2.49	NA
S-4	04/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	25.77	21.58	4.19	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-4	07/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	21.60	4.17	NA
S-4	10/02/1996	<50	<0.50	<0.50	<0.50	<0.50	2.6	NA	25.77	22.46	3.31	NA
S-4	01/22/1997	<50	0.73	<0.50	<0.50	0.63	<2.5	NA	25.77	20.06	5.71	NA
S-4	07/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	22.10	3.67	NA
S-4	01/22/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	20.50	5.27	NA
S-4	07/08/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	20.86	4.91	NA
S-4	10/26/1998	NA	NA	NA	NA	NA	NA	NA	25.77	21.41	4.36	NA
S-4	01/28/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	22.34	3.43	NA
S-4	04/23/1999	NA	NA	NA	NA	NA	NA	NA	25.77	21.43	4.34	NA
S-4	07/29/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	25.77	21.45	4.32	NA
S-4	11/01/1999	NA	NA	NA	NA	NA	NA	NA	25.77	22.08	3.69	NA
S-4	01/07/2000	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	25.77	22.29	3.48	NA
S-4	04/11/2000	NA	NA	NA	NA	NA	NA	NA	25.77	21.11	4.66	NA
S-4	07/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	25.77	21.19	4.58	NA
S-4	10/12/2000	NA	NA	NA	NA	NA	NA	NA	25.77	22.22	3.55	NA
S-4	01/09/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	25.77	22.17	3.60	NA
S-4	04/06/2001	NA	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA
S-4	07/25/2001	<50	2.0	0.52	<0.50	1.0	NA	<5.0	25.77	21.50	4.27	NA
S-4	11/01/2001	NA	NA	NA	NA	NA	NA	NA	25.77	21.95	3.82	NA
S-4	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	25.77	21.13	4.64	NA
S-4	05/08/2002	NA	NA	NA	NA	NA	NA	NA	25.77	21.35	4.42	NA
S-4	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	34.41	21.19	13.22	NA
S-4	10/15/2002	NA	NA	NA	NA	NA	NA	NA	34.41	21.42	12.99	NA
S-4	01/02/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	34.41	20.75	13.66	NA
S-4	04/15/2003	NA	NA	NA	NA	NA	NA	NA	34.41	21.08	13.33	NA
S-4	07/14/2003	NA	NA	NA	NA	NA	NA	NA	34.41	19.93	14.48	NA
S-4	10/20/2003	NA	NA	NA	NA	NA	NA	NA	34.41	19.56	14.85	NA
S-4	01/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	34.41	19.12	15.29	NA

WELL CONCENTRATIONS
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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)	TOC (MSL)	Depth to Water (ft.)	Elevation (MSL)	SPH Thickness (ft.)
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S-4	04/19/2004	NA	NA	NA	NA	NA	NA	NA	34.41	19.15	15.26	NA
S-4	07/13/2004	NA	NA	NA	NA	NA	NA	NA	34.41	20.48	13.93	NA

S-5	04/16/1987	130000	15000	16000	NA	14000a	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	10/26/1988	110000	20000	25000	2300	10000	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	02/14/1989	94000	16000	21000	1800	10000	NA	NA	99.36 (TOC)	19.87	79.49	NA
S-5	05/01/1989	120000	29000	35000	3100	15000	NA	NA	99.36 (TOC)	21.23	78.13	NA
S-5	07/27/1989	110000	20000	29000	2400	14000	NA	NA	99.36 (TOC)	20.41	78.95	NA
S-5	10/05/1989	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.43	78.94	0.01
S-5	01/09/1990	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.16	78.21	0.01
S-5	04/30/1990	100000	13000	22000	2100	11000	NA	NA	99.36 (TOC)	20.96	78.40	NA
S-5	07/31/1990	53000	8300	14000	1200	7400	NA	NA	99.36 (TOC)	20.88	78.48	NA
S-5	10/30/1990	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.96	77.42	0.03
S-5	05/06/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	23.00	76.46	0.13
S-5	06/27/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.53	78.85	0.03
S-5	09/24/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.40	78.01	0.06
S-5	11/07/1991	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.33	78.23	0.25
S-5	02/13/1992	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.52	77.09	0.31
S-5	05/11/1992	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.46	77.36	0.58
S-5	12/03/1992	Well Inaccessible	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA
S-5	05/13/1993	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.22	77.36	0.27
S-5	07/22/1993	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.68	77.88	0.25
S-5	10/20/1993	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.51	79.03	0.23
S-5	01/25/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.93	77.57	0.18
S-5	04/25/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.97	77.67	0.35
S-5	05/26/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.84	78.80	0.35
S-5	06/10/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.01	78.61	0.32
S-5	07/21/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.18	77.56	0.47

WELL CONCENTRATIONS
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461 8th Street
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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-5	08/25/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.01	77.70	0.44
S-5	09/22/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.00	77.48	0.15
S-5	10/24/1994	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.28	77.53	0.56
S-5	12/22/1994	NA	NA	NA	NA	NA	NA	NA	22.94*	22.88	0.85	0.99
S-5	04/20/1995	NA	NA	NA	NA	NA	NA	NA	22.94	21.66	1.54	0.33
S-5	10/04/1995	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA
S-5	01/03/1996	NA	NA	NA	NA	NA	NA	NA	22.94	22.80	0.80	0.83
S-5	04/11/1996	NA	NA	NA	NA	NA	NA	NA	22.94	21.15	2.33	0.67
S-5	07/11/1996	NA	NA	NA	NA	NA	NA	NA	22.94	22.62	1.04	0.90
S-5	10/02/1996	NA	NA	NA	NA	NA	NA	NA	22.94	23.07	0.38	0.64
S-5	01/22/1997	NA	NA	NA	NA	NA	NA	NA	22.94	20.83	2.24	0.16
S-5	07/21/1997	NA	NA	NA	NA	NA	NA	NA	22.94	21.16	1.82	0.05
S-5	01/22/1998	NA	NA	NA	NA	NA	NA	NA	22.94	20.04	2.93	0.04
S-5	07/08/1998	220	14	40	5.8	34	3.3	NA	22.94	18.61	4.33	NA
S-5	10/26/1998	NA	NA	NA	NA	NA	NA	NA	22.94	17.31	5.63	NA
S-5	01/28/1999	51000	13000	1200	1200	2400	2400	NA	22.94	20.11	2.83	NA
S-5	04/23/1999	65600	2540	7300	1790	9840	<1000	NA	22.94	19.21	3.73	NA
S-5	07/29/1999	61400	3320	6980	1520	7700	<1000	NA	22.94	14.77	8.17	NA
S-5	11/01/1999	48200	2700	5740	1290	7850	<500	<40.0	22.94	15.56	7.38	NA
S-5	01/07/2000	39000	3900	8500	790	8300	1500	NA	22.94	15.82	7.12	NA
S-5	04/11/2000	29300	1680	5060	1130	6220	<250	NA	22.94	18.19	4.75	NA
S-5	07/19/2000	6420	2110	207	252	681	355	2536	22.94	19.01	3.93	NA
S-5	10/12/2000	41500	2940	4940	1520	7770	<250	<66.7	22.94	19.62	3.32	NA
S-5	01/09/2001	142000	7030	9550	2340	12600	779	NA	22.94	19.94	3.00	NA
S-5	04/06/2001	Well Inaccessible										
S-5	04/13/2001	59800	4810	10800	1950	10100	842	<10.0	22.94	14.72	8.22	NA
S-5	07/25/2001	71000	2900	6800	1700	9100	NA	<250	22.94	14.91	8.03	NA
S-5	08/13/2001	NA	NA	NA	NA	NA	NA	NA	22.94	19.43	3.51	NA

WELL CONCENTRATIONS
Former Shell Service Station
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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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-5	11/01/2001	Unable to locate		NA	NA	NA	NA	NA	22.94	NA	NA	NA
S-5	01/17/2002 d	58000	460	3300	1900	8400	NA	<200	c	14.27	NA	NA
S-5	05/08/2002 d	60000	650	2700	1800	8800	NA	<100	22.94	18.40	4.54	NA
S-5	07/18/2002	53000	240	1200	1500	6400	NA	<100	27.36	14.25	13.11	NA
S-5	10/15/2002	Well inaccessible		NA	NA	NA	NA	NA	27.36	NA	NA	NA
S-5	10/17/2002	42000	420	1100	1200	5500	NA	<10	27.36	14.90	12.46	NA
S-5	01/02/2003	26000	680	1500	780	3800	NA	<5.0	27.36	14.72	12.64	NA
S-5	04/15/2003	3600	29	38	65	370	NA	<5.0	e	14.45	NA	NA
S-5	07/14/2003	21000	210	460	650	2900	NA	<10	e	14.10	NA	NA
S-5	10/20/2003	37000	390	590	870	3500	NA	<13	e	14.63	NA	NA
S-5	01/22/2004	29000	200	210	710	2400	NA	<13	e	14.08	NA	NA
S-5	04/19/2004	25000	490	460	750	2400	NA	19	e	13.43	NA	NA
S-5	07/13/2004	28000	300	280	690	2400	NA	<13	e	14.88	NA	NA

S-6	04/16/1987	81000	16000	9000	NA	6400a	NA	NA	100.58 (TOC)	NA	NA	NA
S-6	10/26/1988	110000	29000	18000	2500	8200	NA	NA	100.58 (TOC)	NA	NA	NA
S-6	02/14/1989	54000	18000	4500	1400	4000	NA	NA	100.58 (TOC)	20.87	79.71	NA
S-6	05/01/1989	93000	43000	9900	3000	8000	NA	NA	100.58 (TOC)	20.49	80.09	NA
S-6	07/27/1989	52000	20000	3200	1700	5500	NA	NA	100.58 (TOC)	21.01	79.57	NA
S-6	10/05/1989	55000	20000	2900	1600	5500	NA	NA	100.58 (TOC)	21.24	79.34	NA
S-6	01/09/1990	76000	35000	9100	2300	8600	NA	NA	100.58 (TOC)	22.62	77.96	SHEEN
S-6	04/30/1990	39000	13000	2300	900	2800	NA	NA	100.58 (TOC)	22.10	78.48	NA
S-6	07/31/1990	48000	20000	4600	1500	4900	NA	NA	100.58 (TOC)	22.00	78.58	NA
S-6	10/30/1990	27000	7400	900	600	1400	NA	NA	100.58 (TOC)	22.14	78.44	NA
S-6	05/06/1991	35000	3900	2700	2300	3500	NA	NA	100.58 (TOC)	22.40	78.18	NA
S-6	06/27/1991	51000	19000	5600	1700	6300	NA	NA	100.58 (TOC)	21.21	79.37	NA
S-6	09/24/1991	42000	14000	4300	1200	4000	NA	NA	100.58 (TOC)	22.26	78.32	NA
S-6	11/07/1991	39000	11000	2000	800	2300	NA	NA	100.58 (TOC)	22.35	78.23	NA

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S-6	02/13/1992	64000	21000	6200	1600	5100	NA	NA	100.58 (TOC)	22.28	78.30	NA
S-6	05/11/1992	57000	22000	7600	2200	7700	NA	NA	100.58 (TOC)	22.10	78.48	NA
S-6	12/03/1992	110000	26000	9400	2100	8700	NA	NA	100.58 (TOC)	22.14	78.44	NA
S-6	05/13/1993	58000	21000	6800	2500	9800	NA	NA	100.58 (TOC)	22.16	78.42	NA
S-6	07/22/1993	70000	31000	14000	3000	13000	NA	NA	100.58 (TOC)	21.64	78.94	NA
S-6	10/20/1993	48000	28000	9800	3200	12000	NA	NA	100.58 (TOC)	21.62	78.96	NA
S-6	01/25/1994	70000	23000	7500	2500	8000	NA	NA	100.58 (TOC)	21.80	78.78	NA
S-6	04/25/1994	61000	16000	4000	1800	5100	NA	NA	100.58 (TOC)	21.68	78.90	NA
S-6	07/21/1994	44000	8200	3600	1400	3900	NA	NA	100.58 (TOC)	21.78	78.80	NA
S-6 (D)	07/21/1994	32000	7800	3400	1300	3700	NA	NA	22.08	NA	NA	NA
S-6	10/24/1994	2936	1184	440.6	163	648.4	NA	NA	100.58 (TOC)	22.06	78.52	NA
S-6 (D)	10/24/1994	2968	770.8	325.3	144	622	NA	NA	22.08	NA	NA	NA
S-6	12/22/1994	32000	7000	2900	790	2400	NA	NA	22.08*	21.91	0.17	NA
S-6 (D)	12/22/1994	32000	8000	3800	1100	3400	NA	NA	22.08	NA	NA	NA
S-6	04/20/1995	56000	15000	3800	1900	4900	NA	NA	22.08	21.38	0.70	NA
S-6 (D)	04/20/1995	49000	13000	3500	1800	4700	NA	NA	22.08	NA	NA	NA
S-6	10/04/1995	49000	8400	4700	1800	4800	NA	NA	22.08	21.80	0.28	NA
S-6 (D)	10/04/1995	41000	8400	4100	1400	4400	NA	NA	22.08	NA	NA	NA
S-6	01/03/1996	52000	9100	7100	1800	5800	NA	NA	22.08	21.70	0.38	NA
S-6	04/11/1996	59000	11000	7100	2100	6400	<500	NA	22.08	21.62	0.46	NA
S-6 (D)	04/11/1996	59000	11000	6800	1900	6400	<500	NA	22.08	NA	NA	NA
S-6	07/11/1996	72000	18000	6600	2500	8400	<1000	NA	22.08	21.65	2.78	NA
S-6	10/02/1996	57000	11000	6500	1500	5100	<500	NA	22.08	21.80	2.63	NA
S-6	01/22/1997	67000	15000	5000	1800	5400	<1000	NA	22.08	19.95	2.13	NA
S-6 (D)	01/22/1997	63000	15000	4800	1800	5200	<1000	NA	22.08	NA	NA	NA
S-6	07/21/1997	61000	15000	2100	1100	3500	1900	NA	22.08	20.61	1.47	NA
S-6	01/22/1998	46000	14000	3200	1300	3400	<500	NA	22.08	19.82	2.26	NA
S-6	07/08/1998	74000	26000	7500	2200	6200	<1000	NA	22.08	18.20	3.88	NA

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S-6	10/26/1998	NA	NA	NA	NA	NA	NA	NA	22.08	18.81	3.27	NA
S-6	01/28/1999	120000	9000	14000	2700	14000	3700	NA	22.08	19.73	2.35	NA
S-6	04/23/1999	58500	15900	1360	1640	3030	<2500	NA	22.08	17.58	4.50	NA
S-6	07/29/1999	36200	10300	760	930	1360	<1000	NA	22.08	21.35	0.73	NA
S-6	11/01/1999	36000	11700	767	865	1670	<1250	<40.0	22.08	19.23	2.85	NA
S-6	01/07/2000	36000	7600	4600	840	3600	<1000	NA	22.08	19.53	2.55	NA
S-6	04/11/2000	14600	7540	205	306	609	621	NA	22.08	18.16	3.92	NA
S-6	07/19/2000	2590	629	63.9	99.6	267	124	72.7b	22.08	18.40	3.68	NA
S-6	10/12/2000	32900	14200	966	1060	1790	<500	<100	22.08	19.52	2.56	NA
S-6	01/09/2001	27600	11200	675	666	1580	1430	<10.0b	22.08	19.69	2.39	NA
S-6	02/05/2001	NA	NA	NA	NA	NA	NA	NA	22.08	19.20	2.88	NA
S-6	04/06/2001	16900	7800	343	172	966	809	<20.0	22.08	18.25	3.83	NA
S-6	07/25/2001	29000	9800	1700	1000	1800	NA	<250	22.08	18.27	3.81	NA
S-6	11/01/2001	41000	15000	2400	1100	2500	NA	<500	22.08	19.30	2.78	NA
S-6	01/17/2002 d	38000	11000	1700	990	2200	NA	<500	22.08	18.51	3.57	NA
S-6	05/08/2002	72000	21000	4400	2200	5300	NA	<1000	22.08	18.30	3.78	NA
S-6	07/18/2002	71000	17000	4300	1700	4800	NA	<1000	30.56	18.19	12.37	NA
S-6	10/15/2002	55000	16000	4600	1500	4600	NA	<100	30.56	18.77	11.79	NA
S-6	01/02/2003	75000	21000	5000	2400	6400	NA	<50	30.56	18.60	11.96	NA
S-6	04/15/2003	64000	29000	6400	2700	5600	NA	<1000	30.56	18.27	12.29	NA
S-6	07/14/2003	47000	19000	4300	1500	4300	NA	<100	30.56	18.05	12.51	NA
S-6	10/20/2003	63000	21000	5800	1900	5200	NA	<130	30.56	18.55	12.01	f
S-6	01/22/2004	41000	21000	4300	1800	4000	NA	<130	30.56	18.18	12.38	f
S-6	04/19/2004	58000	23000	4200	2200	3900	NA	<130	30.56	17.32	13.24	NA
S-6	05/03/2004	NA	NA	NA	NA	NA	NA	NA	30.56	17.30	13.26	NA
S-6	06/17/2004	NA	NA	NA	NA	NA	NA	NA	30.56	17.70	12.86	NA
S-6	07/13/2004	NA	NA	NA	NA	NA	NA	NA	30.56	17.85	12.71	NA

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S-8	12/22/1994	600	120	32	5.2	34	NA	NA	27.21	24.87	2.34	NA
S-8	04/20/1995	460	180	23	5.2	21	NA	NA	27.21	23.90	3.31	NA
S-8	10/04/1995	830	210	38	11	42	NA	NA	27.21	24.48	2.73	NA
S-8	01/03/1996	350	61	12	2.5	12	NA	NA	27.21	24.62	2.59	NA
S-8 (D)	01/03/1996	340	54	12	2.4	12	NA	NA	27.21	NA	NA	NA
S-8	04/11/1996	570	140	37	12	47	<6.2	NA	27.21	24.32	2.89	NA
S-8	07/11/1996	980	98	32	9.1	160	<12	NA	27.21	24.10	3.11	NA
S-8	10/02/1996	280	62	13	3.3	25	15	NA	27.21	25.38	1.83	NA
S-8 (D)	10/02/1996	490	110	24	7.0	45	22	<2.0	27.21	NA	NA	NA
S-8	01/22/1997	400	90	13	4.9	25	12	NA	27.21	23.91	3.30	NA
S-8	07/21/1997	2900	380	110	26	260	85	NA	27.21	23.62	3.59	NA
S-8 (D)	07/21/1997	3200	420	120	32	300	130	NA	27.21	NA	NA	NA
S-8	01/22/1998	3800	790	140	42	330	160	NA	27.21	23.52	3.69	NA
S-8 (D)	01/22/1998	3500	780	120	33	300	160	NA	27.21	NA	NA	NA
S-8	07/08/1998	3600	1800	<25	<25	<25	<125	NA	27.21	21.52	5.69	NA
S-8 (D)	07/08/1998	4000	1800	<25	<25	31	<125	NA	27.21	NA	NA	NA
S-8	10/26/1998	NA	NA	NA	NA	NA	NA	NA	27.21	22.01	5.20	NA
S-8	01/28/1999	2000	630	6.2	24	51	43	NA	27.21	23.03	4.18	NA
S-8	04/23/1999	1050	408	<5.00	<5.00	6.65	<50.0	NA	27.21	22.15	5.06	NA
S-8	07/29/1999	955	344	<2.50	6.90	16.2	<25.0	NA	27.21	21.95	5.26	NA
S-8	11/01/1999	1800	550	6.45	15	40.4	<50.0	NA	27.21	22.55	4.66	NA
S-8	01/07/2000	1300	600	11	29	48	<13	NA	27.21	22.87	4.34	NA
S-8	04/11/2000	342	101	4.42	4.24	14.7	21.4	NA	27.21	21.86	5.35	NA
S-8	07/19/2000	579	228	6.37	6.45	25.0	<12.5	NA	27.21	21.93	5.28	NA
S-8	10/12/2000	947	340	8.64	3.26	38.3	<12.5	<2.00	27.21	22.92	4.29	NA
S-8	01/09/2001	1090	394	<10.0	<10.0	33.3	57.6	NA	27.21	23.19	4.02	NA
S-8	04/06/2001	671	182	12.5	16.4	47.1	42.5	NA	27.21	22.46	4.75	NA
S-8	07/25/2001	500	70	6.7	11	23	NA	<5.0	27.21	22.50	4.71	NA

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S-8	11/01/2001	1900	250	28	39	180	NA	<5.0	27.21	22.44	4.77	NA
S-8	01/17/2002 d	830	140	11	12	89	NA	<5.0	27.21	21.82	5.39	NA
S-8	05/08/2002 d	210	34	1.7	4.1	15	NA	<5.0	27.21	21.35	5.86	NA
S-8	07/18/2002	650	68	2.8	9.7	42	NA	<5.0	35.85	21.53	14.32	NA
S-8	10/15/2002	1000	160	4.2	7.7	74	NA	<0.50	35.85	21.97	13.88	NA
S-8	01/02/2003	440	55	1.8	2.9	31	NA	<0.50	35.85	21.95	13.90	NA
S-8	04/15/2003	NA	NA	NA	NA	NA	NA	NA	35.85	21.73	14.12	NA
S-8	07/14/2003	60	6.8	<0.50	0.98	4.9	NA	<0.50	35.85	21.40	14.45	NA
S-8	10/20/2003	NA	NA	NA	NA	NA	NA	NA	35.85	21.94	13.91	NA
S-8	01/22/2004	210	19	0.52	3.6	17	NA	<0.50	35.85	21.40	14.45	NA
S-8	04/19/2004	NA	NA	NA	NA	NA	NA	NA	35.85	20.83	15.02	NA
S-8	07/13/2004	420	77	0.82	14	31	NA	<0.50	35.85	21.05	14.80	NA
S-9	12/22/1994	2600	400	150	42	310	NA	NA	26.06	24.37	1.69	NA
S-9	04/20/1995	1900	400	130	51	200	NA	NA	26.06	23.49	2.57	NA
S-9	10/04/1995	3200	590	260	68	280	NA	NA	26.06	24.01	2.05	NA
S-9	01/03/1996	Well inaccessible		NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	04/11/1996	2100	440	1500	42	210	<25	NA	26.06	23.61	2.45	NA
S-9	07/11/1996	5200	940	450	120	520	<50	NA	26.06	23.78	2.28	NA
S-9 (D)	07/11/1996	4800	890	430	110	500	<50	NA	26.06	NA	NA	NA
S-9	10/02/1996	3000	680	220	56	270	<62	NA	26.06	24.31	1.75	NA
S-9	01/22/1997	1500	230	71	36	130	<12	NA	26.06	23.08	2.98	NA
S-9	07/21/1997	3400	590	57	19	210	96	NA	26.06	22.83	3.23	NA
S-9	01/22/1998	2600	300	46	<10	270	62	NA	26.06	21.96	4.10	NA
S-9	07/08/1998	820	150	6.2	8	57	<10	NA	26.06	20.85	5.21	NA
S-9	10/26/1998	NA	NA	NA	NA	NA	NA	NA	26.06	21.39	4.67	NA
S-9	01/28/1999	<50	1.0	<0.50	<0.50	<0.50	<2.5	NA	26.06	22.32	3.74	NA
S-9	04/23/1999	NA	NA	NA	NA	NA	NA	NA	26.06	21.41	4.65	NA

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S-9	07/29/1999	117	7.77	0.817	0.683	5.05	<5.00	NA	26.06	21.25	4.81	NA
S-9	11/01/1999	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA
S-9	01/07/2000	<50	1.2	<0.50	<0.50	<0.50	<2.5	NA	26.06	22.11	3.95	NA
S-9	04/11/2000	NA	NA	NA	NA	NA	NA	NA	26.06	21.14	4.92	NA
S-9	07/19/2000	Well inaccessible		NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	10/12/2000	NA	NA	NA	NA	NA	NA	NA	26.06	22.24	3.82	NA
S-9	01/09/2001	<50.0	1.45	<0.500	<0.500	<0.500	<2.50	NA	26.06	22.52	3.54	NA
S-9	04/06/2001	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA
S-9	07/25/2001	Well inaccessible		NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	08/13/2001	Well inaccessible		NA	NA	NA	NA	NA	26.06	NA	NA	NA
S-9	11/01/2001	NA	NA	NA	NA	NA	NA	NA	26.06	21.78	4.28	NA
S-9	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	26.06	21.15	4.91	NA
S-9	05/08/2002	NA	NA	NA	NA	NA	NA	NA	26.06	20.56	5.50	NA
S-9	07/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	34.70	20.88	13.82	NA
S-9	10/15/2002	NA	NA	NA	NA	NA	NA	NA	34.70	21.41	13.29	NA
S-9	01/02/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	34.70	21.35	13.35	NA
S-9	04/15/2003	NA	NA	NA	NA	NA	NA	NA	34.70	21.14	13.56	NA
S-9	07/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	34.70	20.80	13.90	NA
S-9	10/20/2003	NA	NA	NA	NA	NA	NA	NA	34.70	21.33	13.37	NA
S-9	01/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	34.70	20.77	13.93	NA
S-9	04/19/2004	NA	NA	NA	NA	NA	NA	NA	34.70	20.06	14.64	NA
S-9	07/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	34.70	20.44	14.26	NA
S-10	12/22/1994	420	27	8.0	18	45	NA	NA	28.04	25.84	2.20	NA
S-10	04/20/1995	820	49	3.7	97	52	NA	NA	28.04	24.92	3.12	NA
S-10	10/04/1995	240	6.5	1.1	16	12	NA	NA	28.04	25.47	2.57	NA
S-10	01/03/1996	1100	27	4.9	110	70	NA	NA	28.04	25.60	2.44	NA
S-10	04/11/1996	530	19	1.6	82	52	<5.0	NA	28.04	25.27	2.77	NA

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S-10	07/11/1996	570	16	3.2	53	53	<2.5	NA	28.04	25.46	2.58	NA
S-10	10/02/1996	270	8.2	0.77	24	23	3.3	NA	28.04	25.81	2.23	NA
S-10	01/22/1997	160	4.8	0.73	16	11	<2.5	NA	28.04	24.74	3.30	NA
S-10	07/21/1997	530	5.7	0.70	29	69	<2.5	NA	28.04	24.50	3.54	NA
S-10	01/22/1998	1500	15	<5.0	88	130	<25	NA	28.04	24.44	3.60	NA
S-10	07/08/1998	530	4.8	1.1	47	51	<2.5	NA	28.04	22.36	5.68	NA
S-10	10/26/1998	NA	NA	NA	NA	NA	NA	NA	28.04	22.81	5.23	NA
S-10	01/28/1999	630	4.6	0.98	<0.50	59	<2.5	NA	28.04	23.82	4.22	NA
S-10	04/23/1999	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA
S-10	07/29/1999	728	3.40	<1.00	41.8	38.0	<10.0	NA	28.04	22.63	5.41	NA
S-10	11/01/1999	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA
S-10	01/07/2000	870	8.5	1.3	110	110	<2.5	NA	28.04	23.33	4.71	NA
S-10	04/11/2000	NA	NA	NA	NA	NA	NA	NA	28.04	22.64	5.40	NA
S-10	07/19/2000	612	3.75	<0.500	41.6	43.6	<2.50	NA	28.04	23.04	5.00	NA
S-10	10/12/2000	NA	NA	NA	NA	NA	NA	NA	28.04	23.92	4.12	NA
S-10	01/09/2001	647	7.62	1.01	66.2	42.4	<2.50	NA	28.04	24.13	3.91	NA
S-10	04/06/2001	NA	NA	NA	NA	NA	NA	NA	28.04	25.37	2.67	NA
S-10	07/25/2001	340	1.5	<0.50	42	19	NA	<5.0	28.04	25.35	2.69	NA
S-10	11/01/2001	NA	NA	NA	NA	NA	NA	NA	28.04	23.22	4.82	NA
S-10	01/17/2002 d	1100	3.5	<0.50	55	46	NA	<5.0	28.04	22.72	5.32	NA
S-10	05/08/2002	NA	NA	NA	NA	NA	NA	NA	28.04	22.35	5.69	NA
S-10	07/18/2002	750	1.8	<0.50	42	26	NA	<5.0	36.35	22.05	14.30	NA
S-10	10/15/2002	NA	NA	NA	NA	NA	NA	NA	36.35	22.51	13.84	NA
S-10	01/02/2003	440	1.8	<0.50	14	24	NA	<5.0	36.35	22.50	13.85	NA
S-10	04/15/2003	NA	NA	NA	NA	NA	NA	NA	36.35	22.32	14.03	NA
S-10	07/14/2003	210	0.86	<0.50	13	12	NA	<0.50	36.35	21.99	14.36	NA
S-10	10/20/2003	NA	NA	NA	NA	NA	NA	NA	36.35	22.53	13.82	NA
S-10	01/22/2004	280	0.88	<0.50	10	11	NA	<0.50	36.35	22.02	14.33	NA

WELL CONCENTRATIONS
Former Shell Service Station
461 8th Street
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)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-10	04/19/2004	NA	NA	NA	NA	NA	NA	NA	36.35	21.43	14.92	NA
S-10	07/13/2004	770	1.5	<0.50	70	42	NA	<0.50	36.35	21.68	14.67	NA

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8020

MTBE = Methyl tertiary butyl ether

TOC = Top of Casing Elevation

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

Notes:

a = Ethylbenzene and xylenes combined.

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

c = Depth to water measured from Top of Casing; elevation unknown.

d = Grab sampled.

e = Casing broken; Top of Casing elevation unknown.

f = SPH detected at <0.01 feet.

* = Prior to December 22, 1994, well elevations taken from Top of Casing.

Beginning July 18, 2002, well elevations taken from Top of Casing.

Site surveyed March 5, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Blaine Tech Services, Inc.

July 28, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 040713-DW-1
Project: 97093399
Site: 461 8th Street, Oakland

Dear Mr. Gearhart,

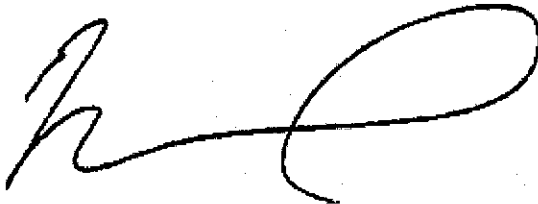
Attached is our report for your samples received on 07/14/2004 15:38
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
08/28/2004 unless you have requested otherwise.

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

You can also contact me via email. My email address is: vvancil@stl-inc.com

Sincerely,



Vincent Vancil
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040713-DW-1
97093399

Received: 07/14/2004 15:38

Site: 461 8th Street, Oakland

Samples Reported

Sample ID	Collection Date/Time	Sample Type	Count
S-5	07/13/2004 09:08	Water	1
S-8	07/13/2004 09:50	Water	2
S-9	07/13/2004 09:38	Water	3
S-10	07/13/2004 09:28	Water	4

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040713-DW-1
97093399

Received: 07/14/2004 15:38

Site: 461 8th Street, Oakland



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	420	50	ug/L	1.00	07/23/2004 19:18	
Benzene	77	0.50	ug/L	1.00	07/23/2004 19:18	
Toluene	0.82	0.50	ug/L	1.00	07/23/2004 19:18	
Ethylbenzene	14	0.50	ug/L	1.00	07/23/2004 19:18	
Total xylenes	31	1.0	ug/L	1.00	07/23/2004 19:18	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/23/2004 19:18	
Surrogate(s)						
1,2-Dichloroethane-d4	98.4	76-130	%	1.00	07/23/2004 19:18	
Toluene-d8	102.8	78-115	%	1.00	07/23/2004 19:18	

Severn Trent Laboratories, Inc.

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

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

07/28/2004 16:16

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040713-DW-1

97093399

Received: 07/14/2004 15:38

Site: 461 8th Street, Oakland



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	28000	1300	ug/L	25.00	07/25/2004 02:17	
Benzene	300	13	ug/L	25.00	07/25/2004 02:17	
Toluene	280	13	ug/L	25.00	07/25/2004 02:17	
Ethylbenzene	690	13	ug/L	25.00	07/25/2004 02:17	
Total xylenes	2400	25	ug/L	25.00	07/25/2004 02:17	
tert-Butyl alcohol (TBA)	ND	130	ug/L	25.00	07/25/2004 02:17	
Methyl tert-butyl ether (MTBE)	ND	13	ug/L	25.00	07/25/2004 02:17	
Di-isopropyl Ether (DIPE)	ND	50	ug/L	25.00	07/25/2004 02:17	
Ethyl tert-butyl ether (ETBE)	ND	50	ug/L	25.00	07/25/2004 02:17	
tert-Amyl methyl ether (TAME)	ND	50	ug/L	25.00	07/25/2004 02:17	
Surrogate(s)						
1,2-Dichloroethane-d4	124.7	76-130	%	25.00	07/25/2004 02:17	
Toluene-d8	104.4	78-115	%	25.00	07/25/2004 02:17	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

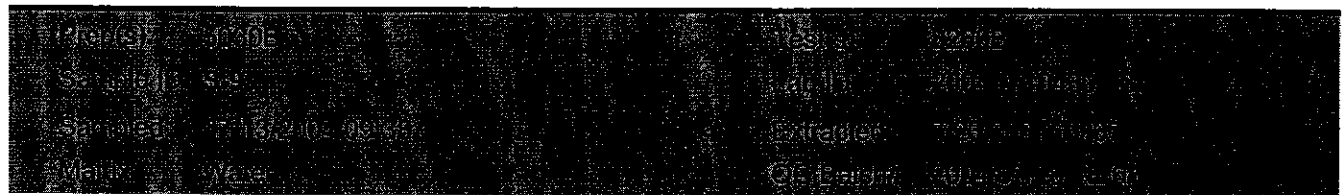
Attn.: Leon Gearhart

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040713-DW-1
97093399

Received: 07/14/2004 15:38

Site: 461 8th Street, Oakland



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/23/2004 19:37	
Benzene	ND	0.50	ug/L	1.00	07/23/2004 19:37	
Toluene	ND	0.50	ug/L	1.00	07/23/2004 19:37	
Ethylbenzene	ND	0.50	ug/L	1.00	07/23/2004 19:37	
Total xylenes	ND	1.0	ug/L	1.00	07/23/2004 19:37	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/23/2004 19:37	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/23/2004 19:37	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/23/2004 19:37	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/23/2004 19:37	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/23/2004 19:37	
Surrogate(s)						
1,2-Dichloroethane-d4	90.9	76-130	%	1.00	07/23/2004 19:37	
Toluene-d8	99.4	78-115	%	1.00	07/23/2004 19:37	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

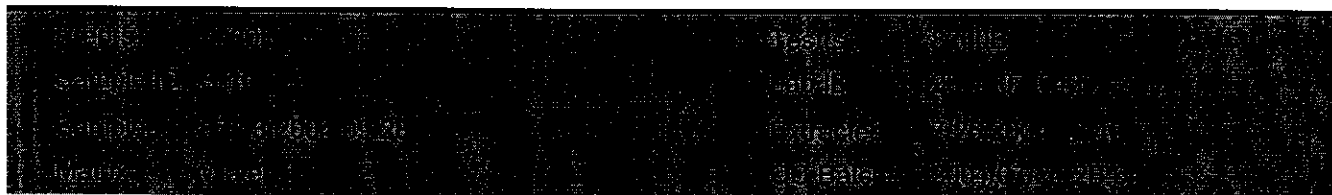
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Project: 040713-DW-1
97093399

Received: 07/14/2004 15:38

Site: 461 8th Street, Oakland



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	770	50	ug/L	1.00	07/25/2004 02:40	
Benzene	1.5	0.50	ug/L	1.00	07/25/2004 02:40	
Toluene	ND	0.50	ug/L	1.00	07/25/2004 02:40	
Ethylbenzene	70	0.50	ug/L	1.00	07/25/2004 02:40	
Total xylenes	42	1.0	ug/L	1.00	07/25/2004 02:40	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	07/25/2004 02:40	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	07/25/2004 02:40	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	07/25/2004 02:40	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	07/25/2004 02:40	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	07/25/2004 02:40	
Surrogate(s)						
1,2-Dichloroethane-d4	112.3	76-130	%	1.00	07/25/2004 02:40	
Toluene-d8	105.1	78-115	%	1.00	07/25/2004 02:40	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

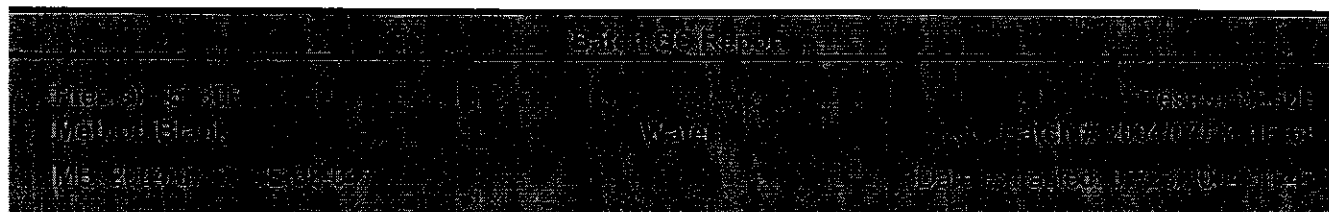
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Project: 040713-DW-1
97093399

Received: 07/14/2004 15:38

Site: 461 8th Street, Oakland



Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/23/2004 11:47	
Benzene	ND	0.5	ug/L	07/23/2004 11:47	
Toluene	ND	0.5	ug/L	07/23/2004 11:47	
Ethylbenzene	ND	0.5	ug/L	07/23/2004 11:47	
Total xylenes	ND	1.0	ug/L	07/23/2004 11:47	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/23/2004 11:47	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/23/2004 11:47	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	07/23/2004 11:47	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	07/23/2004 11:47	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	07/23/2004 11:47	
Surrogates(s)					
1,2-Dichloroethane-d4	99.2	76-130	%	07/23/2004 11:47	
Toluene-d8	105.2	78-115	%	07/23/2004 11:47	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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97093399

Received: 07/14/2004 15:38

Site: 461 8th Street, Oakland



Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	07/24/2004 18:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	07/24/2004 18:20	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	07/24/2004 18:20	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	07/24/2004 18:20	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	07/24/2004 18:20	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	07/24/2004 18:20	
Benzene	ND	0.5	ug/L	07/24/2004 18:20	
Toluene	ND	0.5	ug/L	07/24/2004 18:20	
Ethylbenzene	ND	0.5	ug/L	07/24/2004 18:20	
Total xylenes	ND	1.0	ug/L	07/24/2004 18:20	
Surrogates(s)					
1,2-Dichloroethane-d4	101.6	76-130	%	07/24/2004 18:20	
Toluene-d8	108.6	78-115	%	07/24/2004 18:20	

Severn Trent Laboratories, Inc.

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

07/28/2004 16:16

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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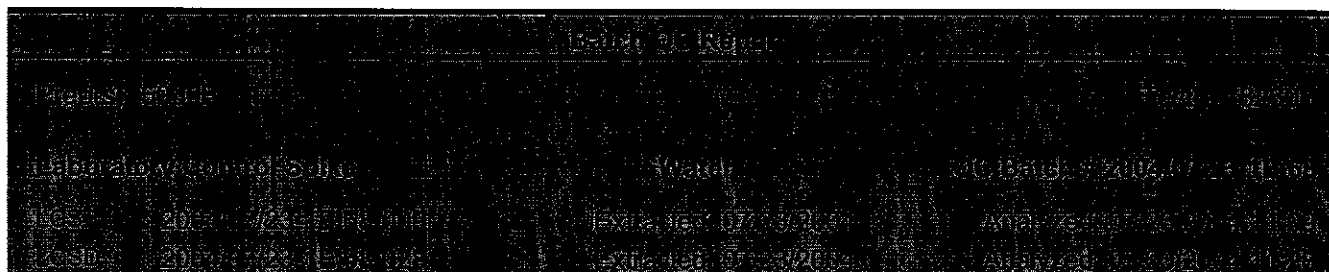
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97093399

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Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	31.5	30.5	25	126.0	122.0	3.2	69-129	20		
Toluene	32.0	31.7	25	128.0	126.8	0.9	70-130	20		
Methyl tert-butyl ether (MTBE)	31.0	30.5	25	124.0	122.0	1.6	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	447	478	500	89.4	95.6		76-130			
Toluene-d8	514	513	500	102.8	102.6		78-115			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

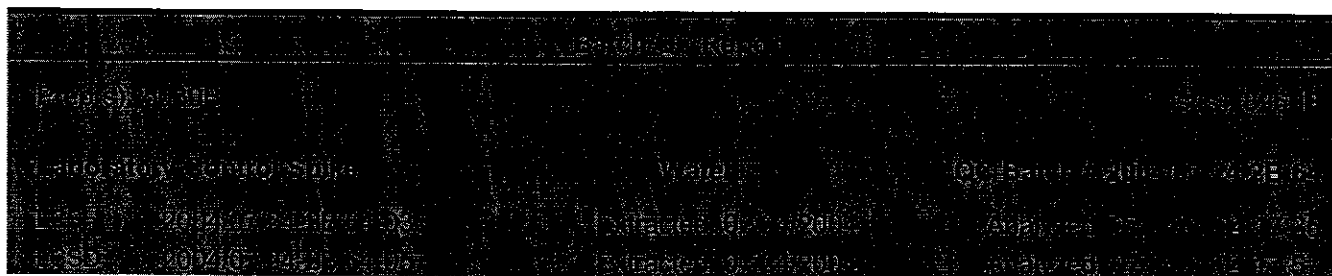
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Project: 040713-DW-1
97093399

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Site: 461 8th Street, Oakland



Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.1	26.2	25	104.4	104.8	0.4	65-165	20		
Benzene	22.6	24.5	25	90.4	98.0	8.1	69-129	20		
Toluene	26.4	28.1	25	105.6	112.4	6.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	496	494	500	99.2	98.8		76-130			
Toluene-d8	531	551	500	106.2	110.2		78-115			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040713-DW-1
97093399

Received: 07/14/2004 15:38

Site: 461 8th Street, Oakland



Analysis Flag

o

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

SHELL Chain Of Custody Record

87793

Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be Invoiced:

SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 OIL & GAS

Karen Petryna

2004-07-0430

INCIDENT NUMBER (SEE ONLY)

9 7 0 9 3 3 9 9

LABORATORY NUMBER (IF SCIENT)

DATE: 7-13-04

PAGE: 1 of 1

LABORATORY COMPANY Blaine Tech Services		LAB CODE BTSS	SITE ADDRESS (Street and City) 461 8th Street, Oakland		GLOBAL ID NO. T0600101263
ADDRESS 1888 Rogers Avenue, San Jose, CA 95112		FOR OIL VERSION 2 TO (Customer's Party or Designated)		PHONE NO. (707) 442-2700	EMAIL sonomaedf@cambridge-stm.com
PROJECT CONTACT (Name, Company or POC Name) Leon Gearhart		CONTACT PERSON (Print) Dave Walter / Pete Cornish		CONSULTANT PROJECT NO. 040713-021-1	
TELEPHONE 408-573-0655	FAX 408-573-7771	E-MAIL lgearhart@blainetech.com		LAB USE ONLY	

TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - INVOICE REPORT FORMAT LIST AGENCY:

QC/QMS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per SCORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED:

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPM - Gas, Propane	BTX	MTBE (GAS) - Spill RL	MTBE (LIQ) - Spill RL	Oxygenates (B) by (22005)	Isobutene (22001)	Methanol	1,2-DCA (22003)	EDM (22004)	TPM - Diesel, Boretable (20104)
		DATE	TIME												
	S-5	7-13	9:48	W	3	X	X	X	X						
	S-8	↓	9:50	↓	↓	X	X	X							
	S-9	↓	9:38	↓	↓	X	X	X	X						
	S-10	↓	9:28	↓	↓	X	X	X	X						

FIELD NOTES:
 Container Preservation
 or PID Readings
 or Laboratory Notes

TEMPERATURE ON RECEIPT: **3.0**

Requested by (Signature) <i>David C. Vahr</i>	Received by (Signature) <i>[Signature]</i>	Date: 7/14/04	Time: 1538
Requested by (Signature) <i>[Signature]</i>	Received by (Signature) <i>[Signature]</i>	Date: 7/14/04	Time: 1812

DISTRIB. FROM: Yellow with Anal report, Green to PPE, Yellow and Pink to Client.

O&G Chain of Custody (P&H) 06/01/03