Denis L. Brown

Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
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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
540 Hegenberger Road
Oakland, California
SAP Code 135694
Incident No. 98995752
ACHCSA Case No. 0223

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

19449 Riverside Drive, Suite 230, Sonoma, California 95476
Telephone: 707-935-4850 Facsimile: 707-935-6649
www.CRAworld.com

May 22, 2007

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

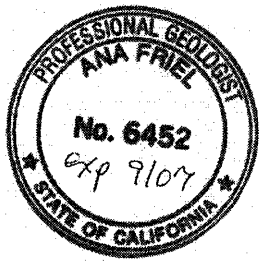
Re: **Groundwater Monitoring Report – First Quarter 2007**
Shell-branded Service Station
540 Hegenberger Road
Oakland, California
SAP Code 135694
Incident No. 98995752
Agency Case No. 0223

Dear Mr. Wickham:

Conestoga-Rovers & Associates (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.

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 268-3812.

Sincerely,
Conestoga-Rovers & Associates



Ana Friel, PG
Associate Geologist

Enclosure: Groundwater Monitoring Report – First Quarter 2007

cc: Mr. Denis Brown, Shell

GROUNDWATER MONITORING REPORT – FIRST QUARTER 2007

Site Address	540 Hegenberger Road, Oakland
Site Use	Shell-branded Service Station
Shell Project Manager	Denis Brown
Consultant and Contact Person	CRA, Ana Friel
Lead Agency and Contact	ACHCSA, Jerry Wickham
Agency Case No.	0223
Shell SAP Code	135694
Shell Incident No.	98995752
Date of Most Recent Agency Correspondence	January 11, 2007

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.
3. The adjacent Arco station located at 566 Hegenberger Road was sampled concurrently. Data from the Arco site is presented on Figure 2 and included as Attachment B

Current Quarter's Findings

Groundwater Flow Direction	Varied (see Figure 2)
Hydraulic Gradient	Varied (see Figure 2)
Depth to Water	3.44 to 7.10 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.

Discussion

Some rebound of constituents is occurring in well MW-3; however, given the significant increase in tert butyl alcohol (TBA), it would appear that significant biodegradation of the remaining MTBE plume is occurring at this site. Other site wells continue to show low and decreasing concentrations since GWE shutdown in November 2005.

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

Attachment: A - Blaine Tech Services, Inc. - Groundwater Monitoring Report
Attachement B – Coordinated Data

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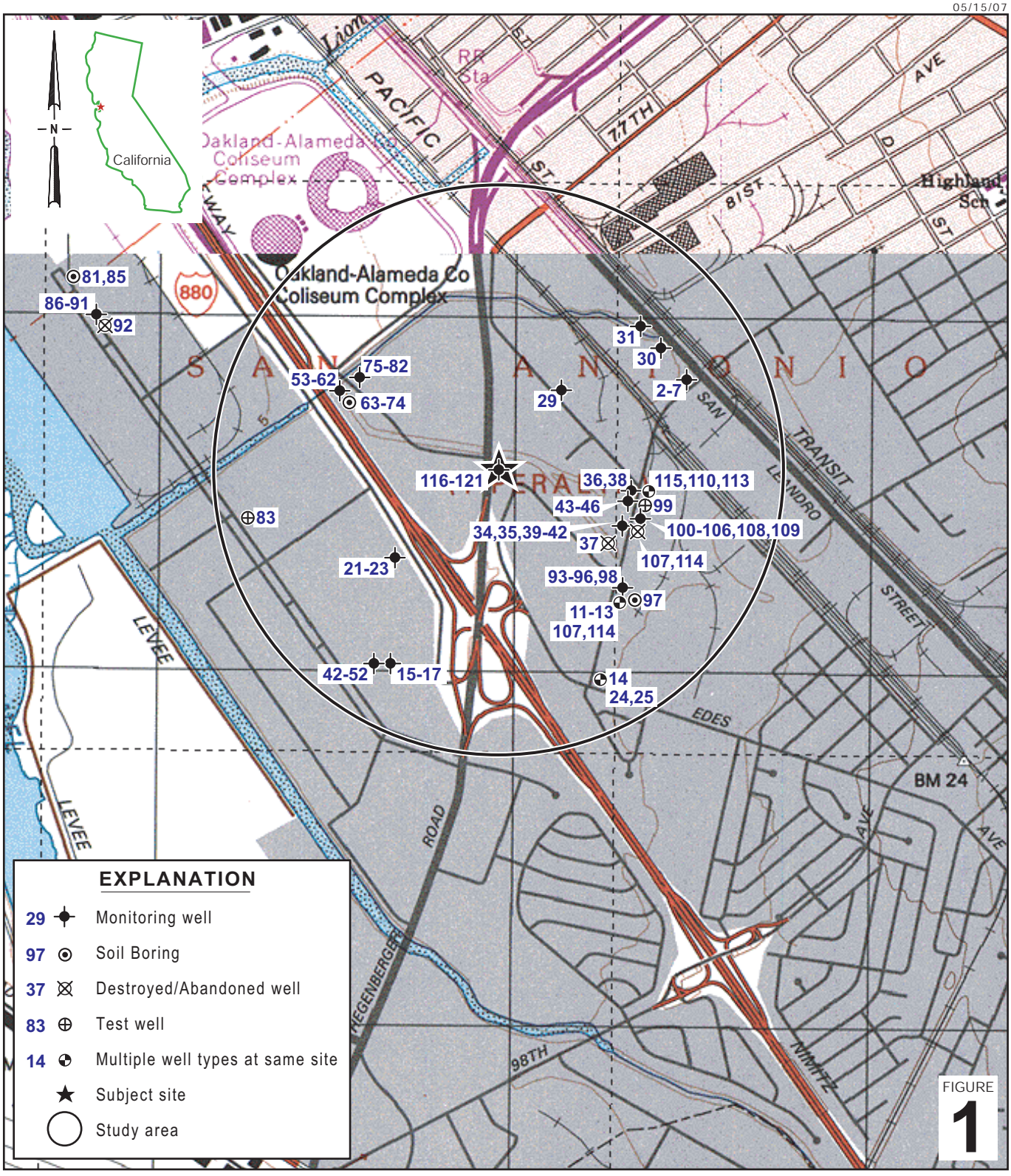
05/15/07



I:\SONOMA SHELL\OAKLAND 540 HEGENBERGER\FIGURES\VICINITY.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE 1:1/4 MILES

Shell-branded Service Station
540 Hegenberger Road
Oakland, California

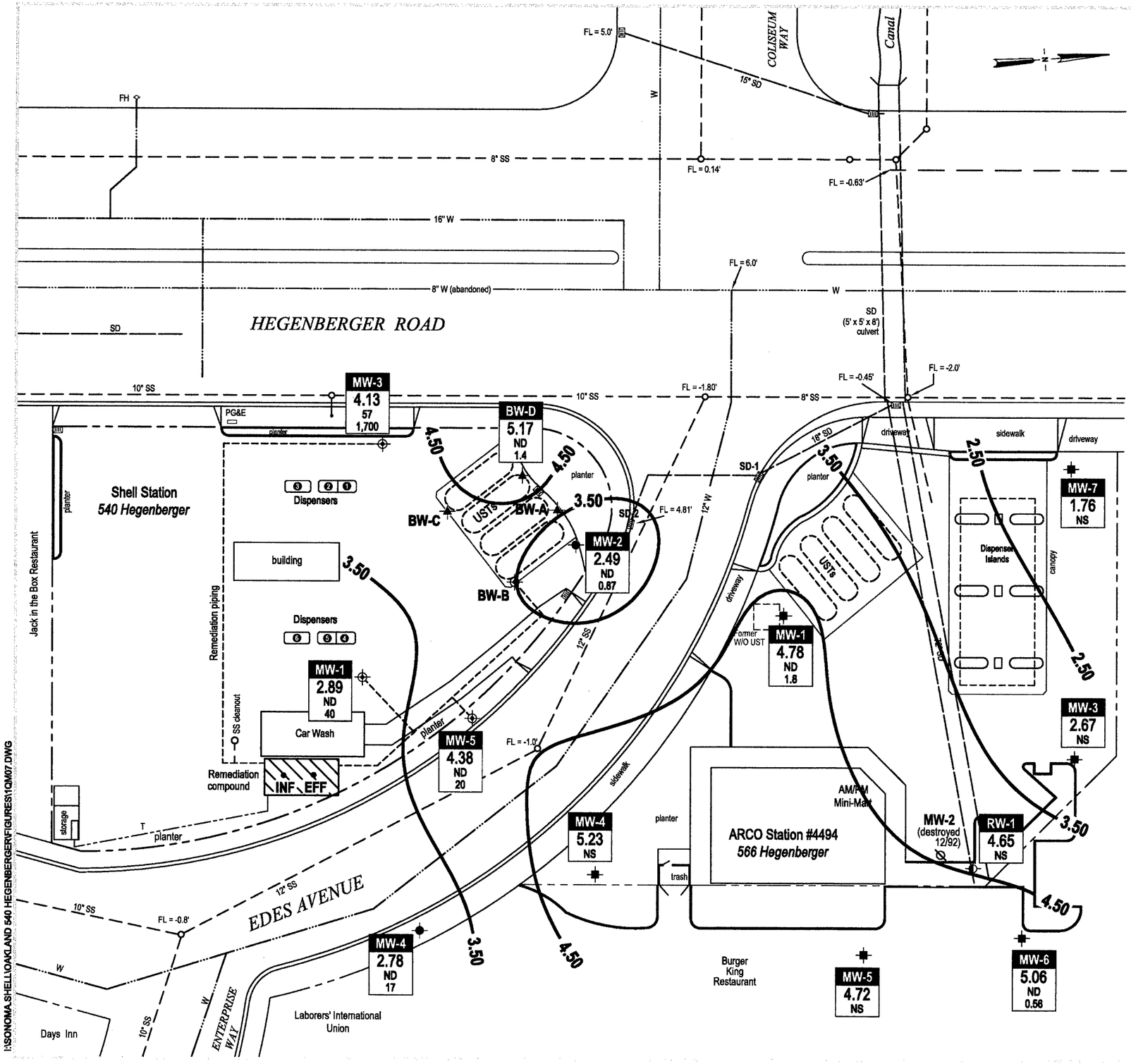
CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

05/15/07

Groundwater Contour and Chemical Concentration Map

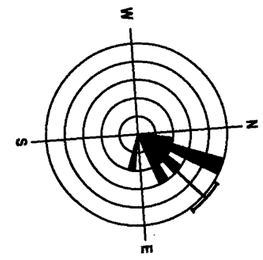
March 6, 2007



EXPLANATION

MW-2	Monitoring well location (Shell)
BW-A	Tank backfill well location (Shell)
MW-1	Groundwater extraction well location (Shell)
MW-1	Monitoring well location (ARCO)
RW-1	Recovery well location (ARCO)
MW-2	Destroyed well location (ARCO)
	Sanitary sewer main (SS)
	Water line (W)
	Telephone line (T)
	Storm drain (SD)
	Flow direction
FH	Fire hydrant
FL = 5.0'	Flowline elevation (msl)
INF	GWE sample location
XX.XX	Groundwater elevation contour, in feet above msl
Well / ELEV / Benzene / MTBE	Well designation; Groundwater elevation, in feet above msl; Benzene and MTBE concentrations are in micrograms per liter

Notes:
ND = Not detected
NS = Not sampled



Shell Groundwater Gradient Direction
August 1998 through March 2003
(20 events prior to groundwater extraction)

0 20 40 80
Scale (ft)

FIGURE
2

Shell-branded Service Station
540 Hegenberger Road
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

I:\SONOMA.SHELL\OAKLAND 540 HEGENBERGER\FIGURES\1GM07.DWG

Attachment A

Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

April 6, 2007

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

First Quarter 2007 Groundwater Monitoring at
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA

Monitoring performed on March 6, 2007

Groundwater Monitoring Report **070306-DW-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/ks

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

cc: Ana Friel
Conestoga-Rovers & Associates
19449 Riverside Dr., Suite 230
Sonoma, CA 95476

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1 (a)	08/26/1998	2,700	28	55	59	39	33,000	NA	NA	NA	NA	NA	NA	10.54	7.91	2.63	1.8
MW-1 (b)	08/26/1998	<1,000	22	<10	<10	<10	17,000	NA	NA	NA	NA	NA	NA	10.54	7.91	2.63	2.2
MW-1	12/28/1998	<5,000	<50.0	<50.0	<50.0	<50.0	153,000	33,000	NA	NA	NA	NA	NA	10.54	8.75	1.79	1.9
MW-1	03/29/1999	<2,000	<20.0	<20.0	<20.0	<20.0	693,000	NA	NA	NA	NA	NA	NA	10.54	8.32	2.22	2.0
MW-1	06/22/1999	20,000	<200	<200	<200	<200	150,000	NA	NA	NA	NA	NA	NA	10.54	9.05	1.49	1.7
MW-1	09/30/1999	<2,500	<25.0	<25.0	<25.0	<25.0	30,900	NA	NA	NA	NA	NA	NA	10.54	8.35	2.19	2.6
MW-1	11/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	9.58	0.96	NA
MW-1	11/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	9.65	0.89	NA
MW-1	12/02/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.54	9.55	0.99	NA
MW-1	12/10/1999	<50.0	29.7	<20.0	<20.0	<20.0	76,300	NA	NA	NA	NA	NA	NA	10.54	8.86	1.68	1.2
MW-1	03/02/2000	<2,500	<25.0	<25.0	<25.0	<25.0	27,600	NA	NA	NA	NA	NA	NA	10.54	8.83	1.71	3.2
MW-1	06/08/2000	<2,000	<20.0	<20.0	<20.0	<20.0	59,000	67,600	NA	NA	NA	NA	NA	10.54	7.78	2.76	1.9
MW-1	09/05/2000	<10,000	411	<100	<100	<100	71,100	115,000 e	NA	NA	NA	NA	NA	10.54	7.84	2.70	NA
MW-1	12/15/2000	35,600	1,310	<50.0	<50.0	<50.0	136,000	f	NA	NA	NA	NA	NA	10.54	7.65	2.89	NA
MW-1	03/09/2001	<10,000	1,390	<100	<100	<100	89,600	164,000	NA	NA	NA	NA	NA	10.54	6.44	4.10	NA
MW-1	06/27/2001	<5,000	<50	<50	<50	<50	NA	19,000	NA	NA	NA	NA	NA	10.54	8.46	2.08	NA
MW-1	09/19/2001	<5,000	<50	<50	<50	<50	NA	52,000	NA	NA	NA	NA	NA	10.54	8.10	2.44	NA
MW-1	12/31/2001	<5,000	<25	<25	<25	<25	NA	17,000	NA	NA	NA	NA	NA	10.54	7.31	3.23	NA
MW-1	03/14/2002	<20,000	<200	<200	<200	<200	NA	60,000	NA	NA	NA	NA	NA	10.54	7.68	2.86	NA
MW-1	06/25/2002	<5,000	<50	<50	<50	<50	NA	34,000	NA	NA	NA	NA	NA	10.54	8.40	2.14	NA
MW-1	09/19/2002	<2,500	<25	<25	<25	<25	NA	18,000	NA	NA	NA	NA	NA	10.52	8.58	1.94	NA
MW-1	12/12/2002	<5,000	<50	<50	<50	<50	NA	30,000	NA	NA	NA	NA	NA	10.52	8.41	2.11	NA
MW-1	01/02/2003	NA	<0.50	<0.50	<0.50	<1.0	NA	NA	NA	NA	NA	NA	NA	10.52	7.45	3.07	NA
MW-1	03/20/2003 g	3,800	<25	<25	<25	<25	5,500	NA	NA	NA	NA	NA	NA	10.52	8.21	2.31	NA
MW-1	06/23/2003	<10,000	<100	<100	<100	<200	NA	35,000	NA	NA	NA	NA	NA	10.52	9.02	1.50	NA
MW-1	09/22/2003	<5,000	<50	<50	<50	<100	NA	15,000	NA	NA	NA	NA	NA	10.52	15.74	-5.22	NA
MW-1	12/03/2003	<1,300	<13	<13	<13	<25	NA	3,600	NA	NA	NA	NA	NA	10.52	18.35 h	NA	NA
MW-1	03/18/2004	<250	<2.5	<2.5	<2.5	<5.0	NA	570	NA	NA	NA	NA	NA	10.52	7.32	3.20	NA

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-1	05/25/2004	<250	<2.5	<2.5	<2.5	<5.0	NA	250	NA	NA	NA	NA	NA	10.52	6.80	3.72	NA
MW-1	09/22/2004	<2,000	<20	<20	<20	<40	NA	170	<80	<80	<80	20,000	<2,000	10.52	6.55	3.97	NA
MW-1	12/22/2004	<500	<5.0	<5.0	<5.0	<10	NA	57	NA	NA	NA	NA	NA	10.52	6.44	4.08	NA
MW-1	02/23/2005	<2,000	<20	<20	<20	<40	NA	110	NA	NA	NA	NA	NA	10.52	5.79	4.73	NA
MW-1	06/27/2005	<250	<2.5	<2.5	<2.5	<5.0	NA	16	NA	NA	NA	NA	NA	10.52	6.43	4.09	NA
MW-1	08/31/2005	<250	<2.5	<2.5	<2.5	<5.0	NA	32	<10	<10	<10	4,000	<250	9.27	6.38	2.89	NA
MW-1	12/14/2005	<50.0	<0.500	2.03	<0.500	<0.500	NA	30.4	NA	NA	NA	NA	NA	9.27	6.46	2.81	NA
MW-1	03/08/2006	417	1.87	<0.500	<0.500	0.830	NA	17.8	NA	NA	NA	3,380	NA	9.27	6.21	3.06	NA
MW-1	06/14/2006	728	282	1.61	4.16	9.82	NA	109	NA	NA	NA	2,950	NA	9.27	6.86	2.41	NA
MW-1	09/27/2006	817	<0.500	<0.500	<0.500	<0.500	NA	122	<0.500	<0.500	<0.500	1,420	<50.0	9.27	7.70	1.57	NA
MW-1	11/30/2006	150	<0.50	<0.50	<0.50	<1.0	NA	54	NA	NA	NA	3,200	NA	9.27	7.59	1.68	NA
MW-1	**03/06/2007**	**150 k**	**<0.50 k**	**<1.0 k**	**<0.50 k**	**<1.0 k**	**NA**	**40 k**	**NA**	**NA**	**NA**	**3,600 k**	**NA**	**9.27**	**6.38**	**2.89**	**NA**
MW-2 (a)	08/26/1998	<250	3.2	<2.5	<2.5	<2.5	4,000	NA	NA	NA	NA	NA	NA	9.21	7.18	2.03	2.4
MW-2 (b)	08/26/1998	<250	3.1	<2.5	<2.5	<2.5	4,800	NA	NA	NA	NA	NA	NA	9.21	7.18	2.03	2.7
MW-2 (D)(b)	08/26/1998	<250	4.8	<2.5	<2.5	6.0	3,300	NA	NA	NA	NA	NA	NA	9.21	7.18	2.03	2.7
MW-2	12/28/1998	<50.0	<0.500	<0.500	<0.500	<0.500	28.8	NA	NA	NA	NA	NA	NA	9.21	7.34	1.87	2.1
MW-2	03/29/1999	235	<0.500	<0.500	<0.500	3.4	101	NA	NA	NA	NA	NA	NA	9.21	6.85	2.36	2.0
MW-2	06/22/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	9.21	7.10	2.11	1.9
MW-2	09/30/1999	<50.0	<0.500	<0.500	<0.500	<0.500	1,700	NA	NA	NA	NA	NA	NA	9.21	8.06	1.15	1.0
MW-2	12/10/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	9.21	8.61	0.60	1.4
MW-2	03/02/2000	<500	11.5	<5.00	<5.00	<5.00	5,280	NA	NA	NA	NA	NA	NA	9.21	6.33	2.88	0.4
MW-2	06/08/2000	<50.0	0.670	<0.500	<0.500	<0.500	3,160	NA	NA	NA	NA	NA	NA	9.21	6.87	2.34	1.6
MW-2	09/05/2000	<1,000	<10.0	<10.0	<10.0	<10.0	9,600	NA	NA	NA	NA	NA	NA	9.21	6.79	2.42	NA
MW-2	12/15/2000	<200	<2.00	<2.00	<2.00	<2.00	6,320	NA	NA	NA	NA	NA	NA	9.21	6.76	2.45	NA
MW-2	03/09/2001	<500	<5.00	<5.00	<5.00	<5.00	17,200	NA	NA	NA	NA	NA	NA	9.21	6.28	2.93	NA
MW-2	06/27/2001	<100	1.4	<1.0	<1.0	<2.0	NA	470	NA	NA	NA	NA	NA	9.21	7.12	2.09	NA
MW-2	09/19/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	330	NA	NA	NA	NA	NA	9.21	7.17	2.04	NA

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-2	12/31/2001	<100	<1.0	<1.0	<1.0	<1.0	NA	420	NA	NA	NA	NA	NA	9.21	6.24	2.97	NA
MW-2	03/14/2002	<250	4.5	3.3	<2.5	<2.5	NA	1,600	NA	NA	NA	NA	NA	9.21	6.72	2.49	NA
MW-2	06/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	110	NA	NA	NA	NA	NA	9.21	7.23	1.98	NA
MW-2	09/19/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	90	NA	NA	NA	NA	NA	9.19	7.48	1.71	NA
MW-2	12/12/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	170	NA	NA	NA	NA	NA	9.19	7.33	1.86	NA
MW-2	03/20/2003 g	56	<0.50	<0.50	<0.50	<0.50	58	NA	NA	NA	NA	NA	NA	9.19	7.65	1.54	NA
MW-2	06/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	44	NA	NA	NA	NA	NA	9.19	8.72	0.47	NA
MW-2	09/22/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	37	NA	NA	NA	NA	NA	9.19	8.84	0.35	NA
MW-2	12/03/2003	<250	<2.5	<2.5	<2.5	<5.0	NA	99	NA	NA	NA	NA	NA	9.19	8.95	0.24	NA
MW-2	03/18/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	24	NA	NA	NA	NA	NA	9.19	7.19	2.00	NA
MW-2	05/25/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	53	NA	NA	NA	NA	NA	9.19	8.40	0.79	NA
MW-2	09/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	24	<2.0	<2.0	<2.0	100	<50	9.19	7.08	2.11	NA
MW-2	12/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	39	NA	NA	NA	NA	NA	9.19	7.09	2.10	NA
MW-2	02/23/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	38	NA	NA	NA	NA	NA	9.19	6.50	2.69	NA
MW-2	06/27/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	28	NA	NA	NA	NA	NA	9.19	7.17	2.02	NA
MW-2	08/31/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	5.5	<2.0	<2.0	<2.0	19	<50	9.19	7.21	1.98	NA
MW-2	12/14/2005	<50.0	<0.500	2.16	<0.500	<0.500	NA	5.33	NA	NA	NA	NA	NA	9.19	7.13	2.06	NA
MW-2	03/08/2006	<50.0	<0.500	<0.500	<0.500	0.560	NA	18.8	NA	NA	NA	<10.0	NA	9.19	6.02	3.17	NA
MW-2	06/14/2006	<50.0	<0.500	0.680	<0.500	<0.500	NA	2.17	NA	NA	NA	<10.0	NA	9.19	7.19	2.00	NA
MW-2	09/27/2006	276	<0.500	<0.500	<0.500	<0.500	NA	5.29	<0.500	<0.500	<0.500	29.9	<50.0	9.19	7.45	1.74	NA
MW-2	11/30/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	<5.0	NA	9.19	7.30	1.89	NA
MW-2	**03/06/2007**	**<50 k**	**<0.50 k**	**<1.0 k**	**<0.50 k**	**<1.0 k**	**NA**	**0.87 k**	**NA**	**NA**	**NA**	**<5.0 k**	**NA**	**9.19**	**6.70**	**2.49**	**NA**
MW-3 (a)	08/26/1998	2,300	180	330	<0.50	420	44,000	NA	NA	NA	NA	NA	NA	9.45	6.52	2.93	1.8
MW-3 (b)	08/26/1998	<50	<0.50	<0.50	<0.50	<0.50	52,000	75,000	NA	NA	NA	NA	NA	9.45	6.52	2.93	2.3
MW-3	12/28/1998	<5,00	139	<50.0	<50.0	<50.0	15,100	NA	NA	NA	NA	NA	NA	9.45	6.73	2.72	1.7
MW-3	03/29/1999	52,500	5,500	6,900	1,360	6,250	508,000	630,000 c	NA	NA	NA	NA	NA	9.45	6.21	3.24	2.1
MW-3	06/22/1999	58,000	6,600	9,850	1,640	6,950	677,000	653,000	NA	NA	NA	NA	NA	9.45	7.00	2.45	1.3

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	09/30/1999	4,360	121	122	36.1	647	33,700	35,600	NA	NA	NA	NA	NA	9.45	6.84	2.61	0.6
MW-3	11/19/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.45	7.93	1.52	NA
MW-3	11/24/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.45	8.25	1.20	NA
MW-3	12/02/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.45	7.55	1.90	NA
MW-3	12/10/1999	4,220	973	26.3	273	584	88,200	NA	NA	NA	NA	NA	NA	9.45	7.28	2.17	2.5
MW-3	03/02/2000	65,300	5,210	10,300	2,650	15,100	56,800	59,800 e	NA	NA	NA	NA	NA	9.45	5.87	3.58	d
MW-3	06/08/2000	72,700	3,570	10,200	2,100	13,400	44,400	NA	NA	NA	NA	NA	NA	9.45	5.32	4.13	1.1
MW-3	09/05/2000	26,100	959	2,910	1,090	5,640	24,000	NA	NA	NA	NA	NA	NA	9.45	5.60	3.85	NA
MW-3	12/15/2000	5,190	438	8.39	483	530	19,100	11,800 f	NA	NA	NA	NA	NA	9.45	6.27	3.18	NA
MW-3	03/09/2001	5,880	472	42.2	392	1,290	41,800	NA	NA	NA	NA	NA	NA	9.45	5.71	3.74	NA
MW-3	06/27/2001	9,100	330	79	140	1,600	NA	31,000	NA	NA	NA	NA	NA	9.45	6.88	2.57	NA
MW-3	09/19/2001	790	14	18	17	67	NA	8,100	NA	NA	NA	NA	NA	9.45	6.70	2.75	NA
MW-3	12/31/2001	<5,000	220	<50	86	<50	NA	22,000	NA	NA	NA	NA	NA	9.45	5.92	3.53	NA
MW-3	03/14/2002	<2,500	<25	<25	<25	<25	NA	12,000	NA	NA	NA	NA	NA	9.45	6.25	3.20	NA
MW-3	06/25/2002	<10,000	160	<100	<100	<100	NA	42,000	NA	NA	NA	NA	NA	9.45	6.65	2.80	NA
MW-3	09/19/2002	<10,000	650	<100	280	360	NA	84,000	NA	NA	NA	NA	NA	9.45	6.51	2.94	NA
MW-3	12/12/2002	<10,000	170	<100	<100	<100	NA	45,000	NA	NA	NA	NA	NA	9.45	6.97	2.48	NA
MW-3	01/02/2003	NA	59	<5.0	5.3	<10	NA	NA	NA	NA	NA	NA	NA	9.45	5.90	3.55	NA
MW-3	03/20/2003 g	5,100	<50	<50	<50	<50	4,400	NA	NA	NA	NA	NA	NA	9.45	6.87	2.58	NA
MW-3	06/23/2003	<5,000	<50	<50	<50	<100	NA	8,100	NA	NA	NA	NA	NA	9.45	13.80	-4.35	NA
MW-3	09/22/2003	<250	<2.5	4.6	<2.5	<5.0	NA	470	NA	NA	NA	NA	NA	9.45	6.31	3.14	NA
MW-3	12/03/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	180	NA	NA	NA	NA	NA	9.45	14.77 h	NA	NA
MW-3	03/18/2004	<1,000	14	<10	<10	<20	NA	2,500	NA	NA	NA	NA	NA	9.45	6.07	3.38	NA
MW-3	05/25/2004	3,900	<10	66	23	470	NA	140	NA	NA	NA	NA	NA	9.45	14.63	-5.18	NA
MW-3	09/22/2004	<10,000	830	<100	290	450	NA	28,000	<400	<400	<400	13,000	<10,000	9.45	4.86	4.59	NA
MW-3	12/22/2004	94	<0.50	<0.50	<0.50	<1.0	NA	84	NA	NA	NA	NA	NA	9.45	6.93	2.52	NA
MW-3	02/23/2005	<50 i	<0.50	<0.50	<0.50	<1.0	NA	85	NA	NA	NA	NA	NA	9.45	5.68	3.77	NA
MW-3	06/27/2005	<2,500	96	<25	29	<50	NA	6,100	NA	NA	NA	NA	NA	9.45	4.80	4.65	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
MW-3	08/31/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	300	<2.0	<2.0	<2.0	700	<50	8.33	5.07	3.26	NA
MW-3	12/14/2005	647	6.16	2.37	1.88	<0.500	NA	303 j	NA	NA	NA	NA	NA	8.33	5.65	2.68	NA
MW-3	03/08/2006	901	20.8	<0.500	5.55	0.980	NA	313	NA	NA	NA	1,660	NA	8.33	5.57	2.76	NA
MW-3	06/14/2006	1,240	61.0	<0.500	11.0	0.730	NA	680	NA	NA	NA	5,660	NA	8.33	5.68	2.65	NA
MW-3	09/27/2006	555	1.70	<0.500	<0.500	<0.500	NA	24.5	<0.500	<0.500	<0.500	1,370	<50.0	8.33	6.11	2.22	NA
MW-3	11/30/2006	990	32	<2.5	8.2	<5.0	NA	590	NA	NA	NA	13,000	NA	8.33	6.09	2.24	NA
MW-3	**03/06/2007**	**2,900 k**	**57 k**	**<10 k**	**16 k**	**<10 k**	**NA**	**1,700 k**	**NA**	**NA**	**NA**	**46,000**	**NA**	**8.33**	**4.20**	**4.13**	**NA**
MW-4	09/25/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.88	7.64	2.24	NA
MW-4	12/15/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	9.88	7.55	2.33	NA
MW-4	03/09/2001	<50.0	<0.500	0.730	<0.500	0.529	3.16	NA	NA	NA	NA	NA	NA	9.88	7.04	2.84	NA
MW-4	06/27/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	7.76	2.12	NA
MW-4	09/19/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	7.69	2.19	NA
MW-4	12/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	7.08	2.80	NA
MW-4	03/14/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	7.57	2.31	NA
MW-4	06/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	8.50	1.38	NA
MW-4	09/19/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	8.22	1.66	NA
MW-4	12/12/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	9.88	8.08	1.80	NA
MW-4	03/20/2003 g	<50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	NA	9.88	7.92	1.96	NA
MW-4	06/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	NA	9.88	8.18	1.70	NA
MW-4	09/22/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	NA	NA	9.88	8.28	1.60	NA
MW-4	12/03/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	15	NA	NA	NA	NA	NA	9.88	8.44	1.44	NA
MW-4	03/18/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	15	NA	NA	NA	NA	NA	9.88	7.52	2.36	NA
MW-4	05/25/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	20	NA	NA	NA	NA	NA	9.88	8.30	1.58	NA
MW-4	09/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	20	<2.0	<2.0	<2.0	<5.0	<50	9.88	7.72	2.16	NA
MW-4	12/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	20	NA	NA	NA	NA	NA	9.88	7.32	2.56	NA
MW-4	02/23/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	18	NA	NA	NA	NA	NA	9.88	6.95	2.93	NA
MW-4	06/27/2005	55	<0.50	<0.50	<0.50	<1.0	NA	14	NA	NA	NA	NA	NA	9.88	7.48	2.40	NA

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MW-4	08/31/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	15	<2.0	<2.0	<2.0	11	<50	9.88	7.53	2.35	NA
MW-4	12/14/2005	<50.0	<0.500	2.04	<0.500	<0.500	NA	10.1	NA	NA	NA	NA	NA	9.88	7.54	2.34	NA
MW-4	03/08/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	5.73	NA	NA	NA	NA	NA	9.88	6.19	3.69	NA
MW-4	06/14/2006	<50.0	<0.500	0.590	<0.500	<0.500	NA	14.0	NA	NA	NA	NA	NA	9.88	7.63	2.25	NA
MW-4	09/27/2006	426	<0.500	<0.500	<0.500	<0.500	NA	16.5	<0.500	<0.500	<0.500	<10.0	<50.0	9.88	7.87	2.01	NA
MW-4	11/30/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	16	NA	NA	NA	NA	NA	9.88	7.81	2.07	NA
MW-4	**03/06/2007**	**<50 k**	**<0.50 k**	**<1.0 k**	**<0.50 k**	**<1.0 k**	**NA**	**17 k**	**NA**	**NA**	**NA**	**NA**	**NA**	**9.88**	**7.10**	**2.78**	**NA**
MW-5	06/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.36	NA	NA
MW-5	06/25/2002	<10,000	<100	<100	<100	<100	NA	60,000	NA	NA	NA	NA	NA	NA	8.30	NA	NA
MW-5	09/19/2002	<2,000	<20	<20	<20	<20	NA	7,200	NA	NA	NA	NA	NA	10.03	8.44	1.59	NA
MW-5	12/12/2002	<5,000	<50	<50	<50	<50	NA	33,000	NA	NA	NA	NA	NA	10.03	8.49	1.54	NA
MW-5	03/20/2003 g	12,000	<50	<50	<50	<50	15,000	NA	NA	NA	NA	NA	NA	10.03	8.23	1.80	NA
MW-5	06/23/2003	<1,000	<10	<10	<10	<20	NA	1,700	NA	NA	NA	NA	NA	10.03	16.70	-6.67	NA
MW-5	09/22/2003	<2,500	<25	<25	<25	<50	NA	4,400	NA	NA	NA	NA	NA	10.03	16.70	-6.67	NA
MW-5	12/03/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	70	NA	NA	NA	NA	NA	10.03	16.79	-6.76	NA
MW-5	03/18/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	43	NA	NA	NA	NA	NA	10.03	16.78	-6.75	NA
MW-5	05/25/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	30	NA	NA	NA	NA	NA	10.03	13.02	-2.99	NA
MW-5	09/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	20	<2.0	<2.0	<2.0	83	<50	10.03	5.91	4.12	NA
MW-5	12/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	67	NA	NA	NA	NA	NA	10.03	5.72	4.31	NA
MW-5	02/23/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	120	NA	NA	NA	NA	NA	10.03	4.41	5.62	NA
MW-5	06/27/2005	56	<0.50	<0.50	<0.50	<1.0	NA	46	NA	NA	NA	NA	NA	10.03	5.98	4.05	NA
MW-5	08/31/2005	<1,000	<10	<10	<10	<20	NA	69	<40	<40	<40	2,400	<1,000	9.03	6.60	2.43	NA
MW-5	12/14/2005	302	<0.500	2.02	<0.500	<0.500	NA	34.0	NA	NA	NA	NA	NA	9.03	5.00	4.03	NA
MW-5	03/08/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	34.6	NA	NA	NA	677	NA	9.03	4.18	4.85	NA
MW-5	06/14/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	30.4	NA	NA	NA	4,380	NA	9.03	6.10	2.93	NA
MW-5	09/27/2006	528	<0.500	<0.500	<0.500	<0.500	NA	28.6	<0.500	<0.500	<0.500	384	<50.0	9.03	6.94	2.09	NA
MW-5	11/30/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	7.3	NA	NA	NA	380	NA	9.03	6.70	2.33	NA

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MW-5	**03/06/2007**	**76 k**	**<0.50 k**	**<1.0 k**	**<0.50 k**	**<1.0 k**	**NA**	**20 k**	**NA**	**NA**	**NA**	**1,200 k**	**NA**	**9.03**	**4.65**	**4.38**	**NA**
C-1	09/19/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	1.44	NA	NA
C-1	03/29/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	2.59	NA	NA
C-1	06/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	3.72	NA	NA
C-1	09/19/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	3.08	NA	NA
C-1	12/12/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	0.64	NA	NA
C-1	03/20/2003 g	<50	<0.50	<0.50	<0.50	<0.50	<5.0	NA	NA	NA	NA	NA	NA	NA	4.61	NA	NA
SD-1	09/19/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	03/29/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	06/25/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	09/19/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	12/12/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	03/20/2003	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	09/19/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	03/29/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	06/25/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	09/19/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	12/12/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	03/20/2003	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-A	06/22/1999	318	<0.50	<0.50	0.590	1.48	4,470	NA	NA	NA	NA	NA	NA	NA	4.71	NA	1.1
BW-A	06/25/2002	<500	<5.0	<5.0	<5.0	18	NA	3,100	NA	NA	NA	NA	NA	NA	5.14	NA	NA
BW-A	09/19/2002	<200	<2.0	<2.0	<2.0	<2.0	NA	<20	NA	NA	NA	NA	NA	NA	7.19	NA	NA
BW-A	12/12/2002	<500	<5.0	<5.0	<5.0	<5.0	NA	2,900	NA	NA	NA	NA	NA	NA	6.40	NA	NA
BW-A	03/20/2003 g	<2,500	<25	<25	<25	<25	<250	NA	NA	NA	NA	NA	NA	NA	5.36	NA	NA

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BW-A	06/23/2003	<1,000	<10	<10	<10	<20	NA	<100	NA	NA	NA	NA	NA	NA	10.27	NA	NA
BW-A	09/22/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.63	NA	NA	NA
BW-B	06/22/1999	<250	<2.5	<2.5	<2.5	<2.5	8,600	NA	NA	NA	NA	NA	NA	NA	5.90	NA	1.2
BW-B	06/27/2001	<5,000	<50	<50	<50	<50	NA	40,000	NA	NA	NA	NA	NA	NA	5.83	NA	NA
BW-B	12/31/2001	<2,000	<20	<20	<20	<20	NA	9,200	NA	NA	NA	NA	NA	NA	4.19	NA	NA
BW-B	03/14/2002	<2,000	<20	<20	<20	<20	NA	9,400	NA	NA	NA	NA	NA	NA	5.24	NA	NA
BW-B	06/25/2002	<2,000	<20	<20	<20	<20	NA	6,600	NA	NA	NA	NA	NA	NA	6.19	NA	NA
BW-B	09/19/2002	<500	<5.0	<5.0	<5.0	<5.0	NA	<50	NA	NA	NA	NA	NA	NA	8.46	NA	NA
BW-B	12/12/2002	<500	<5.0	<5.0	<5.0	<5.0	NA	1,700	NA	NA	NA	NA	NA	NA	7.46	NA	NA
BW-B	03/20/2003 g	170	<1.0	<1.0	<1.0	<1.0	190	NA	NA	NA	NA	NA	NA	NA	6.23	NA	NA
BW-B	06/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	43	NA	NA	NA	NA	NA	NA	9.95	NA	NA
BW-B	09/22/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.32	NA	NA	NA
BW-C	06/22/1999	<50	<0.50	<0.50	<0.50	0.98	11,000	NA	NA	NA	NA	NA	NA	NA	5.91	NA	1.6
BW-C	06/25/2002	<5,000	<50	<50	<50	<50	NA	20,000	NA	NA	NA	NA	NA	NA	6.49	NA	NA
BW-C	09/19/2002	<1,000	<10	<10	<10	<10	NA	400	NA	NA	NA	NA	NA	NA	8.52	NA	NA
BW-C	12/12/2002	<2,000	<20	<20	<20	<20	NA	8,000	NA	NA	NA	NA	NA	NA	7.57	NA	NA
BW-C	03/20/2003 g	270	<1.0	<1.0	<1.0	<1.0	250	NA	NA	NA	NA	NA	NA	NA	6.48	NA	NA
BW-C	06/23/2003	<1,000	<10	<10	<10	<20	NA	170	NA	NA	NA	NA	NA	NA	11.48	NA	NA
BW-C	09/22/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.81	NA	NA	NA
BW-D	06/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2,190	NA	NA	NA	NA	NA	NA	NA	4.78	NA	1.4
BW-D	06/25/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-D	07/02/2002	<1,000	23	<10	<10	<10	NA	<100	NA	NA	NA	NA	NA	NA	6.36	NA	NA
BW-D	09/19/2002	<250	<2.5	<2.5	<2.5	<2.5	NA	<25	NA	NA	NA	NA	NA	NA	7.25	NA	NA
BW-D	12/12/2002	<5,000	<50	<50	<50	<50	NA	16,000	NA	NA	NA	NA	NA	NA	6.21	NA	NA
BW-D	03/20/2003 g	71	<0.50	<0.50	<0.50	<0.50	55	NA	NA	NA	NA	NA	NA	NA	5.23	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
BW-D	06/23/2003	<1,000	<10	<10	<10	<20	NA	<100	NA	NA	NA	NA	NA	NA	10.25	NA	NA
BW-D	09/22/2003	<100	<1.0	<1.0	<1.0	<2.0	NA	120	NA	NA	NA	NA	NA	NA	10.18	NA	NA
BW-D	12/03/2003	<1,300	110	<13	<13	29	NA	560	NA	NA	NA	NA	NA	NA	10.20	NA	NA
BW-D	03/18/2004	<50	0.67	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	NA	NA	NA	3.42	NA	NA
BW-D	05/25/2004	<50	1.4	0.96	<0.50	<1.0	NA	1.7	NA	NA	NA	NA	NA	NA	8.83	NA	NA
BW-D	09/22/2004	<100	6.9	<1.0	2.1	4.2	NA	210	NA	NA	NA	NA	NA	NA	2.75	NA	NA
BW-D	12/22/2004	61	2.1	2.9	<0.50	3.6	NA	5.4	NA	NA	NA	NA	NA	NA	3.67	NA	NA
BW-D	02/23/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	1.2	NA	NA	NA	NA	NA	NA	2.88	NA	NA
BW-D	06/27/2005	53	<0.50	<0.50	<0.50	<1.0	NA	1.8	NA	NA	NA	NA	NA	NA	3.70	NA	NA
BW-D	08/31/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	1.4	NA	NA	NA	NA	NA	8.61	3.82	4.79	NA
BW-D	12/14/2005	<50.0	<0.500	2.78	<0.500	<0.500	NA	2.26	NA	NA	NA	NA	NA	8.61	3.59	5.02	NA
BW-D	03/08/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	2.23	NA	NA	NA	NA	NA	8.61	3.61	5.00	NA
BW-D	06/14/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	18.1	NA	NA	NA	NA	NA	8.61	3.86	4.75	NA
BW-D	09/27/2006	410	<0.500	<0.500	<0.500	<0.500	NA	2.90	<0.500	<0.500	<0.500	77.6	<50.0	8.61	4.32	4.29	NA
BW-D	11/30/2006	<50	<0.50	<0.50	<0.50	<1.0	NA	1.3	NA	NA	NA	NA	NA	8.61	4.00	4.61	NA
BW-D	**03/06/2007**	**<50 k**	**<0.50 k**	**<1.0 k**	**<0.50 k**	**<1.0 k**	**NA**	**1.4 k**	**NA**	**NA**	**NA**	**NA**	**NA**	**8.61**	**3.44**	**5.17**	**NA**

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA

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

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 27, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 27, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
DO = Dissolved Oxygen
ppm = Parts per million
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
540 Hegenberger Road
Oakland, CA

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

Notes:

a = Pre-purge

b = Post purge

c = Lab confirmed MTBE by mistake. MTBE value at MW-1 should have been confirmed instead.

d = DO reading not taken.

e = Sample was analyzed outside of the EPA recommended holding time.

f = The second highest MTBE hit was mistakenly confirmed. MTBE for MW-1 should have been confirmed.

g = On March 20, 2003, all analyses run by EPA Method 8015/8020.

h = Depth to top of pump; pump prevented depth to water measurement.

i = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.

j = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

k = 1,1-Dichloroethene, a calibration check compound (CCC), was outside the 20%D method acceptance criteria in the CCV.

Ethanol analyzed by EPA Method 8260B.

Site surveyed September 21, 2000 by Virgil Chavez Land Surveying of Vallejo, CA.

C-1 is a canal sample location.

SD-1 and SD-2 are storm drains.

Wells MW-1 through MW-5 surveyed January 24 and June 19, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells MW-1, MW-3, MW-5, and BW-D surveyed on September 22, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

Unmonitored backfilled wells BW-A, BW-B, and BW-C surveyed on September 22, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

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27 March, 2007

Michael Ninokata
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 540 Hegenberger Rd, Oakland
Work Order: SQC0149

Enclosed are the results of analyses for samples received by the laboratory on 03/08/07 08:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Krenn
Project Manager

CA ELAP Certificate # 2630

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd, Oakland	SQC0149
1680 Rogers Avenue	Project Number: 98995752	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	03/27/07 22:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	SQC0149-01	Water	03/06/07 16:50	03/08/07 08:30
MW-2	SQC0149-02	Water	03/06/07 14:58	03/08/07 08:30
MW-3	SQC0149-03	Water	03/06/07 16:18	03/08/07 08:30
MW-4	SQC0149-04	Water	03/06/07 14:33	03/08/07 08:30
MW-5	SQC0149-05	Water	03/06/07 17:50	03/08/07 08:30
BW-D	SQC0149-06	Water	03/06/07 15:38	03/08/07 08:30

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1680 Rogers Avenue	Project Number: 98995752	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	03/27/07 22:10

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (SQC0149-01) Water	**Sampled: 03/06/07 16:50**	**Received: 03/08/07 08:30**							**A-01**
Tert-butyl alcohol	**3600**	5.0	ug/l	1	7030165	03/19/07	03/19/07	GCMS \ 8260B	
Methyl tert-butyl ether	**40**	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**150**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*98 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*109 %*		*86-114*	"	"	"	"	
MW-2 (SQC0149-02) Water	**Sampled: 03/06/07 14:58**	**Received: 03/08/07 08:30**							**A-01**
Tert-butyl alcohol	ND	5.0	ug/l	1	7030165	03/19/07	03/19/07	GCMS \ 8260B	
Methyl tert-butyl ether	**0.87**	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*94 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*107 %*		*86-114*	"	"	"	"	
MW-3 (SQC0149-03) Water	**Sampled: 03/06/07 16:18**	**Received: 03/08/07 08:30**							**A-01**
Methyl tert-butyl ether	**1700**	5.0	ug/l	10	7030165	03/19/07	03/19/07	GCMS \ 8260B	
Benzene	**57**	5.0	"	"	"	"	"	"	
Ethylbenzene	**16**	5.0	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**2900**	500	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*99 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*110 %*		*86-114*	"	"	"	"	

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd, Oakland	SQC0149
1680 Rogers Avenue	Project Number: 98995752	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	03/27/07 22:10

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (SQC0149-03RE1) Water Sampled: 03/06/07 16:18 Received: 03/08/07 08:30									
Tert-butyl alcohol	**46000**	500	ug/l	100	7030165	03/20/07	03/20/07	GCMS \ 8260B	
Surrogate: 1,2-DCA-d4		*94 %*		*78-128*		"	"	"	"
Surrogate: Toluene-d8		*102 %*		*86-112*		"	"	"	"
Surrogate: 4-BFB		*98 %*		*86-114*		"	"	"	"
MW-4 (SQC0149-04) Water Sampled: 03/06/07 14:33 Received: 03/08/07 08:30									**A-01**
Methyl tert-butyl ether	**17**	0.50	ug/l	1	7030165	03/19/07	03/19/07	GCMS \ 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*100 %*		*78-128*		"	"	"	"
Surrogate: Toluene-d8		*110 %*		*86-112*		"	"	"	"
Surrogate: 4-BFB		*110 %*		*86-114*		"	"	"	"
MW-5 (SQC0149-05) Water Sampled: 03/06/07 17:50 Received: 03/08/07 08:30									**A-01**
Tert-butyl alcohol	**1200**	5.0	ug/l	1	7030165	03/19/07	03/19/07	GCMS \ 8260B	
Methyl tert-butyl ether	**20**	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**76**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*97 %*		*78-128*		"	"	"	"
Surrogate: Toluene-d8		*110 %*		*86-112*		"	"	"	"
Surrogate: 4-BFB		*110 %*		*86-114*		"	"	"	"

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd, Oakland	SQC0149
1680 Rogers Avenue	Project Number: 98995752	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	03/27/07 22:10

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BW-D (SQC0149-06) Water	**Sampled: 03/06/07 15:38**	**Received: 03/08/07 08:30**							**A-01**
Methyl tert-butyl ether	**1.4**	0.50	ug/l	1	7030165	03/19/07	03/19/07	GCMS \ 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*98 %*		*78-128*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*86-112*	"	"	"	"	
Surrogate: 4-BFB		*109 %*		*86-114*	"	"	"	"	

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1680 Rogers Avenue	Project Number: 98995752	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	03/27/07 22:10

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control
TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7030165 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (7030165-BLK1)				Prepared & Analyzed: 03/19/07						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*24.1*		*"*	*25.0*		*96*	*78-128*			
Surrogate: Toluene-d8	*27.7*		*"*	*25.0*		*111*	*86-112*			
Surrogate: 4-BFB	*27.0*		*"*	*25.0*		*108*	*86-114*			
Blank (7030165-BLK2)				Prepared & Analyzed: 03/20/07						
Ethanol	ND	50	ug/l							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	1.0	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*23.1*		*"*	*25.0*		*92*	*78-128*			
Surrogate: Toluene-d8	*25.8*		*"*	*25.0*		*103*	*86-112*			
Surrogate: 4-BFB	*24.4*		*"*	*25.0*		*98*	*86-114*			

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd, Oakland	SQC0149
1680 Rogers Avenue	Project Number: 98995752	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	03/27/07 22:10

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7030165 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample (7030165-BS1)				Prepared & Analyzed: 03/19/07						
Gasoline Range Organics (C4-C12)	2290	50	ug/l	2200		104	75-122			
Surrogate: 1,2-DCA-d4	*24.2*		*"*	*25.0*		*97*	*78-128*			
Surrogate: Toluene-d8	*27.0*		*"*	*25.0*		*108*	*86-112*			
Surrogate: 4-BFB	*27.2*		*"*	*25.0*		*109*	*86-114*			
Laboratory Control Sample (7030165-BS2)				Prepared: 03/19/07 Analyzed: 03/20/07						
Methyl tert-butyl ether	20.4	0.50	ug/l	20.0		102	71-122			
Benzene	19.0	0.50	"	20.0		95	87-113			
Toluene	21.0	1.0	"	20.0		105	86-114			
Surrogate: 1,2-DCA-d4	*25.9*		*"*	*25.0*		*104*	*78-128*			
Surrogate: Toluene-d8	*25.2*		*"*	*25.0*		*101*	*86-112*			
Surrogate: 4-BFB	*25.3*		*"*	*25.0*		*101*	*86-114*			
Laboratory Control Sample (7030165-BS3)				Prepared & Analyzed: 03/20/07						
Methyl tert-butyl ether	39.1	0.50	ug/l	34.0		115	71-122			
Benzene	25.8	0.50	"	23.6		109	87-113			
Gasoline Range Organics (C4-C12)	2400	50	"	2200		109	75-122			
Surrogate: 1,2-DCA-d4	*23.4*		*"*	*25.0*		*94*	*78-128*			
Surrogate: Toluene-d8	*24.8*		*"*	*25.0*		*99*	*86-112*			
Surrogate: 4-BFB	*25.0*		*"*	*25.0*		*100*	*86-114*			
Laboratory Control Sample (7030165-BS4)				Prepared & Analyzed: 03/20/07						
Methyl tert-butyl ether	21.6	0.50	ug/l	20.0		108	71-122			
Benzene	21.4	0.50	"	20.0		107	87-113			
Toluene	24.8	1.0	"	20.0		124	86-114			L1
Surrogate: 1,2-DCA-d4	*24.6*		*"*	*25.0*		*98*	*78-128*			
Surrogate: Toluene-d8	*24.5*		*"*	*25.0*		*98*	*86-112*			
Surrogate: 4-BFB	*24.4*		*"*	*25.0*		*98*	*86-114*			

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.testamericainc.com

Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd, Oakland	SQC0149
1680 Rogers Avenue	Project Number: 98995752	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	03/27/07 22:10

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7030165 - EPA 5030B [P/T] / GCMS \ 8260B										
Matrix Spike (7030165-MS1)	**Source: SQC0151-03**			Prepared & Analyzed: 03/20/07						
Methyl tert-butyl ether	33.8	0.50	ug/l	34.0	ND	99	71-122			
Benzene	22.6	0.50	"	23.6	ND	96	87-113			
Toluene	169	1.0	"	170	0.880	99	86-114			
Gasoline Range Organics (C4-C12)	1870	50	"	2200	34.0	83	72-123			
Surrogate: 1,2-DCA-d4	*25.2*		*"*	*25.0*		*101*	*78-128*			
Surrogate: Toluene-d8	*24.3*		*"*	*25.0*		*97*	*86-112*			
Surrogate: 4-BFB	*24.9*		*"*	*25.0*		*100*	*86-114*			
Matrix Spike Dup (7030165-MSD1)	**Source: SQC0151-03**			Prepared & Analyzed: 03/20/07						
Methyl tert-butyl ether	38.7	0.50	ug/l	34.0	ND	114	71-122	14	25	
Benzene	25.8	0.50	"	23.6	ND	109	87-113	13	25	
Toluene	201	1.0	"	170	0.880	118	86-114	17	25	M7
Gasoline Range Organics (C4-C12)	2180	50	"	2200	34.0	98	72-123	15	25	
Surrogate: 1,2-DCA-d4	*24.6*		*"*	*25.0*		*98*	*78-128*			
Surrogate: Toluene-d8	*25.1*		*"*	*25.0*		*100*	*86-112*			
Surrogate: 4-BFB	*24.8*		*"*	*25.0*		*99*	*86-114*			

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Blaine Tech Services (Shell)	Project: 540 Hegenberger Rd, Oakland	SQC0149
1680 Rogers Avenue	Project Number: 98995752	**Reported:**
San Jose CA, 95112	Project Manager: Michael Ninokata	03/27/07 22:10

Notes and Definitions

M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
A-01	1,1-Dichloroethene, a calibration check compound (CCC), was outside the 20%D method acceptance criteria in the CCV.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SHELL Chain Of Custody Record

LABS
- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Denis Brown
- ☑ ENVIRONMENTAL SERVICES
- ☐ NETWORK DEV / FE
- ☐ BILL CONSULTANT
- ☐ COMPLIANCE
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 98995752

PO #:

SAP or CRMT #:

DATE: 3-6-07

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Blaine Tech Services	BTSS	540 Hegenberger Rd., Oakland	CA	T0600102123

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Ana Friel, Cambria, Eureka Office	(707) 268-3812	sonomaedf@cambria-env.com	070306-DW-1

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

TELEPHONE:	FAX:	E-MAIL:
408-573-0555	408-573-7771	mninokata@blainetech.com

SAMPLER NAME(S) (Print): Dave Walter

BTS #:

LAB USE ONLY: SJC0149

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):
☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:
- ☐ EDD NOT NEEDED
- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)
01	mw-1	3-6	1650	W	3	X		X		X	X							
02	mw-2		1458			X		X		X	X							
03	mw-3		1618			X		X		X	X							
04	mw-4		1433			X		X		X								
05	mw-5		1750			X		X		X	X							
06	BW-D		1538			X		X		X								

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°: 4.3°C

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
David C Walk	David C Walk (Sample Custodian)	3-6-07	1835
		3/7/07	1520
	Andy Medeiros	3/7/07	1600
Blaine 3-07-07 17230		3/8/07	0830

Q&Q Graphic (714) 898-9702

05/02/06 Revision

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 540 Hegenberger Rd Oakland Date 3-6-07

Job Number 070306-DW-1 Technician DW Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	X								
MW-2	X	X							
MW-3	X								
MW-4		X					X		1 tab stripped
MW-5								X	missing bolts
BW-D								X	missing bolts

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

Notes:

WELL GAUGING DATA

Project # 070306-OW-1 Date 3-6-07 Client Shell

Site 540 Hegenberger Rd oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1404	2					6.38	22.77		
MW-2	1340	2					6.70	20.02		
MW-3	1358	2	gauged w/ tube in well				4.20	18.40		
MW-4	1420	4					7.10	18.50		
MW-5	1351	4	gauged w/ pump in well				4.65	18.50		
BW-D	1345	12	gauged w/ stinger in well				3.44	12.30		

SHELL WELL MONITORING DATA SHEET

BTS #: 070306-DW-1	Site: 540 Hegenberger Rd
Sampler: DW	Date: 3-6-07
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 22.77	Depth to Water (DTW): 6.38
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]: 9.65	

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 Case Volume		Specified Volumes		Calculated Volume
2.6	(Gals.) X	3	=	7.8 Gals.

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
1630	63.6	6.9	9232	>1000	2.6	gray
1633	64.6	6.8	9050	>1000	5.2	"
1636	64.7	6.9	8853	>1000	7.8	"

Did well dewater? Yes (No) Gallons actually evacuated: 7.8

Sampling Date: 3-6-07 Sampling Time: 1650 Depth to Water: 9.65

Sample I.D.: MW-1 Laboratory: STL Other TA

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

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 #: 070306-DW-1	Site: 540 Hegenberger Rd
Sampler: DW	Date: 3-6-07
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 20.02	Depth to Water (DTW): 6.70
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]: 9.36	

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

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

2.1 (Gals.) X 3 = 6.3 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
1446	63.6	6.9	769	>1000	2.1	Brown
1449	63.8	6.9	733	>1000	4.2	"
1452	63.8	6.9	724	>1000	6.3	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.3

Sampling Date: 3-6-07 Sampling Time: 1458 Depth to Water: 9.30

Sample I.D.: MW-2 Laboratory: STL Other TA

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

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 #: 070306-DW-1	Site: 540 Hegenberger Rd
Sampler: DW	Date: 3-6-07
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 18.40	Depth to Water (DTW): 4.20
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]: 7.04	

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

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

2.3 (Gals.) X 3 = 6.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1605 1405 (DW)	63.9	6.8	5142	>1000	2.3	gray
1608 1408 (DW)	64.9	6.8	6927	>1000	4.6	"
1611 1411 (DW)	65.2	6.9	7503	>1006	6.9	"

Did well dewater? Yes (No) Gallons actually evacuated: 6.9

Sampling Date: 3-6-07 Sampling Time: (DW) 1418 1618 Depth to Water: 7.00

Sample I.D.: MW-3 Laboratory: STL Other TA

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

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 #: 070306-DW-1	Site: 540 Hegenberger Rd
Sampler: DW	Date: 3-6-07
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 18.50	Depth to Water (DTW): 7.10
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]: 9.38	

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

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

7.4 (Gals.) X 3 = 22.2 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
1425	68.8	6.9	3555	56	7.4	
1427	67.5	6.8	3624	56	14.8	
1428	67.5	6.8	4306	39	22.2	

Did well dewater? Yes (No) Gallons actually evacuated: 22.2

Sampling Date: 3-6-07 Sampling Time: 1433 Depth to Water: street

Sample I.D.: MW-4 Laboratory: STL Other TA

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: ~~TBA~~ (DW)

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 #: 070306-DW-1	Site: 540 Hegenberger Rd
Sampler: DW	Date: 3-6-07
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 18.50	Depth to Water (DTW): 4.65
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]: 7.42	

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: ____

9 (Gals.) X	3	=	27 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
1550	66.0	7.0	661	179	9	
	well dewatered @ 12 gls.					
1750	65.7	7.4	2994	195	-	

Did well dewater? (Yes) No Gallons actually evacuated: 12

Sampling Date: 3-6-07 Sampling Time: 1750 Depth to Water: 9.70 (2 hrs)

Sample I.D.: MW-5 Laboratory: STL Other TA

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

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 #: 070306-DW-1	Site: 540 Hegenberger Rd
Sampler: DW	Date: 3-6-07
Well I.D.: BW-D	Well Diameter: 2 3 4 6 8 (12)
Total Well Depth (TD): 12.30	Depth to Water (DTW): 3.44
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]: 5.21	

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:

52 (Gals.) X 3 = 156 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1512	63.8	7.0	591	16	52	
1523	64.8	6.8	602	5	104	
1533	64.6	6.8	594	5	156	

Did well dewater? Yes (No) Gallons actually evacuated: 156

Sampling Date: 3-6-07 Sampling Time: 1538 Depth to Water: 3.44

Sample I.D.: BW-D Laboratory: STL Other TA

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other: ~~TBA~~ (1)

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

Attachment B

Coordinated Data

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #4494, 566 Hegenberger Rd., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-1															
6/20/2000	--	a	106.10	13.0	--	7.02	99.08	<1,000	<10	<10	<10	<20	14000/ 15000	--	--
9/28/2000	--	a	106.10	13.0	--	7.07	99.03	<500	<5.0	<5.0	<5.0	<5.0	13000/ 18800	--	--
12/17/2000	--		106.10	13.0	--	6.95	99.15	<50	<0.5	<0.5	<0.5	<0.5	10,600	--	--
3/28/2001	--		106.10	13.0	--	6.88	99.22	<500	<5.0	<5.0	<5.0	<5.0	16,900	--	--
6/21/2001	--		106.10	13.0	--	7.18	98.92	<1,000	<10	<10	<10	<10	3,400	--	--
9/23/2001	--	a	106.10	13.0	--	7.11	98.99	<1,000	<10	<10	<10	<10	2200/1800	--	--
12/31/2001	--		106.10	13.0	--	6.91	99.19	<5,000	<50	<50	<50	<50	14,000	--	--
3/14/2002	--		106.10	13.0	--	6.85	99.25	<5,000	<50	<50	<50	<50	6,200	--	--
4/17/2002	--		106.10	13.0	--	5.89	100.21	<5,000	<50	<50	<50	<50	4,500	--	--
8/8/2002	--	a, b	106.10	13.0	--	7.19	98.91	230	<2.0	<2.0	<2.0	<2.0	660/440	4.5	7.8
12/12/2002	--	a, d	106.10	13.0	--	7.28	98.82	630	<5.0	<5.0	<5.0	<5.0	1300/830	1.9	7.6
3/20/2003	--	e	106.10	13.0	--	6.91	99.19	1,100	<5.0	<5.0	<5.0	<5.0	780	2.2	8.5
6/23/2003	--		106.10	13.0	--	7.61	98.49	530	<5.0	<5.0	<5.0	<5.0	260	1.2	7.6
9/22/2003	--		11.36	13.0	--	7.78	3.58	<50	<0.50	<0.50	<0.50	<0.50	17	3.5	7.7
12/03/2003	P		11.36	13.0	--	7.90	3.46	410	2.6	9.8	<2.5	11	260	2.1	6.9
03/18/2004	P		11.36	13.0	--	6.68	4.68	<250	<2.5	<2.5	<2.5	<2.5	130	2.4	7.0
05/25/2004	P		11.36	13.0	--	7.55	3.81	<250	<2.5	<2.5	<2.5	<2.5	120	1.3	7.0
09/22/2004	P		11.36	13.0	--	6.78	4.58	150	1.5	<1.0	<1.0	<1.0	140	3.8	7.12
12/22/2004	P		11.36	13.0	--	6.44	4.92	<500	<5.0	<5.0	<5.0	<5.0	74	1.7	6.8
02/23/2005	P		11.36	13.0	--	7.03	4.33	<50	<0.50	<0.50	<0.50	<0.50	6.0	2.1	7.2
06/27/2005	P		11.36	13.0	--	6.66	4.70	<250	<2.5	<2.5	<2.5	<2.5	150	3.6	7.4
08/31/2005	P		11.36	13.0	--	6.67	4.69	<50	<0.50	<0.50	<0.50	<0.50	0.82	3.8	7.2
03/08/2006	P	i	11.36	13.0	--	6.27	5.09	<50	<0.50	<0.50	<0.50	<0.50	6.8	3.9	7.5
9/27/2006	P		11.36	13.0	--	7.12	4.24	<50	<0.50	<0.50	<0.50	<0.50	2.8	3.1	7.1
3/6/2007	**NP**		**11.36**	**13.0**	**--**	**6.58**	**4.78**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.8**	**2.89**	**6.95**
MW-3															
6/20/2000	--	a	106.29	7.00	--	9.18	97.11	<50	<0.5	<0.5	<0.5	<1.0	27/27	--	--
9/28/2000	--	a	106.29	7.00	--	9.33	96.96	<50	<0.5	<0.5	<0.5	<1.0	4.3/<2.0	--	--
12/17/2000	--		106.29	7.00	--	9.31	96.98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/28/2001	--		106.29	7.00	--	9.23	97.06	<50	<0.5	<0.5	<0.5	<0.5	7.42	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #4494, 566 Hegenberger Rd., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-3 Cont.															
6/21/2001	--		106.29	7.00	--	9.58	96.71	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
9/23/2001	--		106.29	7.00	--	9.76	96.53	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/31/2001	--		106.29	7.00	--	8.78	97.51	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/14/2002	--		106.29	7.00	--	9.25	97.04	<50	<0.5	<0.5	<0.5	<0.5	4.0	--	--
4/17/2002	--		106.29	7.00	--	8.44	97.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
8/8/2002	--		106.29	7.00	--	9.63	96.66	<50	<0.5	<0.5	<0.5	<0.5	<2.5	2.6	7.9
12/12/2002	--	d	106.29	7.00	--	9.51	96.78	<50	<0.5	<0.5	<0.5	<0.5	<2.5	3.0	6.8
3/20/2003	--	e	106.29	7.00	--	9.40	96.89	<50	<0.50	<0.50	<0.50	<0.50	6.1	1.2	7.0
6/23/2003	--		106.29	7.00	--	9.36	96.93	<50	<0.50	<0.50	<0.50	<0.50	5.2	0.9	8.2
9/22/2003	--		11.62	7.00	--	9.48	2.14	<50	<0.50	<0.50	<0.50	<0.50	3.9	1.4	7.9
12/03/2003	--	g	11.62	7.00	--	9.44	2.18	--	--	--	--	--	--	--	--
03/18/2004	NP		11.62	7.00	--	8.76	2.86	<50	<0.50	<0.50	<0.50	<0.50	4.6	0.8	7.3
05/25/2004	--	g	11.62	7.00	--	9.55	2.07	--	--	--	--	--	--	--	--
09/22/2004	NP		11.62	7.00	--	9.44	2.18	<50	<0.50	<0.50	<0.50	<0.50	4.7	--	--
12/22/2004	--		11.62	7.00	--	9.06	2.56	--	--	--	--	--	--	--	--
02/23/2005	NP		11.62	7.00	--	8.75	2.87	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	8.2
06/27/2005	--		11.62	7.00	--	9.35	2.27	--	--	--	--	--	--	--	--
08/31/2005	NP		11.62	7.00	--	9.31	2.31	<50	<0.50	<0.50	<0.50	<0.50	1.3	0.5	7.7
03/08/2006	--		11.62	7.00	--	9.03	2.59	--	--	--	--	--	--	--	--
9/27/2006	NP		11.62	7.00	--	9.40	2.22	<50	<0.50	<0.50	<0.50	<0.50	2.8	1.5	7.4
3/6/2007	--		**11.62**	**7.00**	--	**8.95**	**2.67**	--	--	--	--	--	--	--	--
MW-4															
6/20/2000	--		107.40	7.0	--	8.49	98.91	<50	<0.5	<0.5	<0.5	<1.0	<10	--	--
9/28/2000	--		107.40	7.0	--	8.70	98.70	<50	<0.5	<0.5	<0.5	<1.0	<2.5	--	--
12/17/2000	--		107.40	7.0	--	8.53	98.87	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/28/2001	--		107.40	7.0	--	8.59	98.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
6/21/2001	--		107.40	7.0	--	8.79	98.61	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
9/23/2001	--		107.40	7.0	--	8.67	98.73	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/31/2001	--		107.40	7.0	--	8.03	99.37	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/14/2002	--		107.40	7.0	--	8.48	98.92	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--

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Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-4 Cont.															
4/17/2002	--		107.40	7.0	--	7.79	99.61	<50	<0.5	<0.5	<0.5	<0.5	5.6	--	--
8/8/2002	--		107.40	7.0	--	8.90	98.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	4.5	8.0
12/12/2002	--	d	107.40	7.0	--	9.07	98.33	<50	<0.5	<0.5	<0.5	<0.5	<2.5	5.6	6.2
3/20/2003	--	e	107.40	7.0	--	8.85	98.55	<50	<0.50	<0.50	<0.50	0.50	<0.50	4.8	7.8
6/23/2003	--		107.40	7.0	--	9.26	98.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.3	7.5
9/22/2003	--		13.18	7.0	--	9.22	3.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	7.4	8.0
12/03/2003	--	g	13.18	7.0	--	9.48	3.70	--	--	--	--	--	--	--	--
03/18/2004	NP		13.18	7.0	--	8.32	4.86	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.5	8.4
05/25/2004	--	g	13.18	7.0	--	9.03	4.15	--	--	--	--	--	--	--	--
09/22/2004	NP		13.18	7.0	--	8.62	4.56	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	--
12/22/2004	--		13.18	7.0	--	7.80	5.38	--	--	--	--	--	--	--	--
02/23/2005	NP		13.18	7.0	--	7.74	5.44	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	7.3
06/27/2005	--		13.18	7.0	--	8.38	4.80	--	--	--	--	--	--	--	--
08/31/2005	NP		13.18	7.0	--	8.15	5.03	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	6.9
03/08/2006	--		13.18	7.0	--	7.84	5.34	--	--	--	--	--	--	--	--
9/27/2006	NP		13.18	7.0	--	8.59	4.59	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	6.6
3/6/2007	--		**13.18**	**7.0**	--	**7.95**	**5.23**	--	--	--	--	--	--	--	--
MW-5															
6/20/2000	--		105.19	8.0	--	7.65	97.54	<50	<0.5	<0.5	<0.5	<1.0	<10	--	--
9/28/2000	--		105.19	8.0	--	6.82	98.37	<50	<0.5	<0.5	<0.5	<1.0	<2.5	--	--
12/17/2000	--		105.19	8.0	--	6.50	98.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/28/2001	--		105.19	8.0	--	6.34	98.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
6/21/2001	--		105.19	8.0	--	7.88	97.31	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
9/23/2001	--		105.19	8.0	--	6.98	98.21	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/31/2001	--		105.19	8.0	--	5.01	100.18	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/14/2002	--		105.19	8.0	--	5.93	99.26	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
4/17/2002	--		105.19	8.0	--	5.37	99.82	<50	<0.5	<0.5	<0.5	<0.5	8.5	--	--
8/8/2002	--	b	105.19	8.0	--	6.85	98.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.7	7.3
12/12/2002	--	d	105.19	8.0	--	6.53	98.66	<50	2.2	4.7	1.3	6.8	<2.5	1.3	7.0
3/20/2003	--	e	105.19	8.0	--	6.40	98.79	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	7.1

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								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-5 Cont.															
6/23/2003	--		105.19	8.0	--	6.72	98.47	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	7.2
9/22/2003	--	f	10.63	8.0	--	6.76	3.87	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	7.2
12/03/2003	--	g	10.63	8.0	--	6.56	4.07	--	--	--	--	--	--	--	--
03/18/2004	P		10.63	8.0	--	5.98	4.65	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	7.3
05/25/2004	--	g	10.63	8.0	--	6.77	3.86	--	--	--	--	--	--	--	--
09/22/2004	P		10.63	8.0	--	6.90	3.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.17
12/22/2004	--		10.63	8.0	--	6.18	4.45	--	--	--	--	--	--	--	--
02/23/2005	P		10.63	8.0	--	5.36	5.27	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	7.2
06/27/2005	--		10.63	8.0	--	6.26	4.37	--	--	--	--	--	--	--	--
08/31/2005	P		10.63	8.0	--	6.70	3.93	<50	<0.50	<0.50	<0.50	<0.50	1.9	0.8	7.2
03/08/2006	--		10.63	8.0	--	5.12	5.51	--	--	--	--	--	--	--	--
9/27/2006	P		10.63	8.0	--	6.69	3.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	7.2
3/6/2007	--		**10.63**	**8.0**	--	**5.91**	**4.72**	--	--	--	--	--	--	--	--
MW-6															
6/20/2000	--		105.07	8.0	--	6.24	98.83	<50	<0.5	<0.5	<0.5	<1.0	<10	--	--
9/28/2000	--		105.07	8.0	--	6.45	98.62	<50	<0.5	<0.5	<0.5	<1.0	<2.5	--	--
12/17/2000	--		105.07	8.0	--	6.26	98.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/28/2001	--		105.07	8.0	--	6.10	98.97	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
6/21/2001	--		105.07	8.0	--	7.68	97.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
9/23/2001	--		105.07	8.0	--	6.72	98.35	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/23/2001	--		105.07	8.0	--	4.68	100.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/14/2002	--		105.07	8.0	--	5.55	99.52	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
4/17/2002	--		105.07	8.0	--	4.96	100.11	<50	<0.5	<0.5	<0.5	<0.5	7.0	--	--
8/8/2002	--		105.07	8.0	--	6.46	98.61	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.7	7.3
12/12/2002	--	d	105.07	8.0	--	6.18	98.89	65	3.3	8.4	2.7	14	<2.5	1.1	6.9
3/20/2003	--	e	105.07	8.0	--	6.18	98.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	7.0
6/23/2003	--		105.07	8.0	--	6.15	98.92	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	7.1
9/22/2003	--	f	10.41	8.0	--	6.43	3.98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.5	7.0
12/03/2003	--	g	10.41	8.0	--	6.12	4.29	--	--	--	--	--	--	--	--
03/18/2004	P		10.41	8.0	--	5.40	5.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.2

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								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-6 Cont.															
05/25/2004	--	g	10.41	8.0	--	6.30	4.11	--	--	--	--	--	--	--	--
09/22/2004	P		10.41	8.0	--	6.43	3.98	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	7.01
12/22/2004	--		10.41	8.0	--	5.73	4.68	--	--	--	--	--	--	--	--
02/23/2005	P		10.41	8.0	--	4.61	5.80	<50	<0.50	<0.50	<0.50	<0.50	5.0	2.6	7.1
06/27/2005	--		10.41	8.0	--	5.78	4.63	--	--	--	--	--	--	--	--
08/31/2005	P		10.41	8.0	--	6.19	4.22	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.0
03/08/2006	P	j	10.41	8.0	--	4.59	5.82	200	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	7.3
9/27/2006	P		10.41	8.0	--	6.13	4.28	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	7.1
3/6/2007	**P**		**10.41**	**8.0**	**--**	**5.35**	**5.06**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**0.56**	**1.77**	**7.49**
MW-7															
6/20/2000	--	a	105.52	9.0	--	8.65	96.87	<50	<0.5	<0.5	<0.5	<1.0	13/13	--	--
9/28/2000	--	a	105.52	9.0	--	8.75	96.77	<50	<0.5	<0.5	<0.5	<1.0	136/261	--	--
12/17/2000	--		105.52	9.0	--	8.62	96.90	<50	<0.5	<0.5	<0.5	<0.5	27.1	--	--
3/28/2001	--		105.52	9.0	--	8.66	96.86	<50	<0.5	<0.5	<0.5	<0.5	51.5	--	--
6/21/2001	--		105.52	9.0	--	8.84	96.68	<50	<0.5	<0.5	<0.5	<0.5	53	--	--
9/23/2001	--	a	105.52	9.0	--	8.75	96.77	<50	<0.5	<0.5	<0.5	<0.5	35/21	--	--
12/23/2001	--		105.52	9.0	--	7.79	97.73	<50	<0.5	<0.5	<0.5	<0.5	440	--	--
3/14/2002	--		105.52	9.0	--	8.30	97.22	<50	<0.5	<0.5	<0.5	<0.5	18	--	--
4/17/2002	--		105.52	9.0	--	7.43	98.09	<50	<0.5	<0.5	<0.5	<0.5	67	--	--
8/8/2002	--	a, b	105.52	9.0	--	8.61	96.91	55	<0.5	<0.5	<0.5	<0.5	130/100	1.1	7.1
12/12/2002	--	a, d, h	105.52	9.0	--	8.55	96.97	75	< 0.5	< 0.5	< 0.5	< 0.5	160/130	1.2	7.0
3/20/2003	--	e	105.52	9.0	--	8.38	97.14	<50	<0.50	<0.50	<0.50	<0.50	32	2.2	7.2
6/23/2003	--		105.52	9.0	--	8.37	97.15	<50	<0.50	<0.50	<0.50	<0.50	14	0.8	7.1
9/22/2003	--	f	10.51	9.0	--	8.95	1.56	<50	<0.50	<0.50	<0.50	<0.50	5.3	2.2	7.2
12/03/2003	P		10.51	9.0	--	8.86	1.65	<50	<0.50	<0.50	<0.50	<0.50	4.2	0.1	7.2
03/18/2004	P		10.51	9.0	--	8.03	2.48	<50	<0.50	<0.50	<0.50	<0.50	3.0	1.0	7.2
05/25/2004	P		10.51	9.0	--	8.37	2.14	<50	<0.50	<0.50	<0.50	<0.50	4.1	0.7	7.1
09/22/2004	P		10.51	9.0	--	8.90	1.61	<50	<0.50	<0.50	<0.50	<0.50	2.3	0.9	7.27
12/22/2004	P		10.51	9.0	--	7.90	2.61	<50	<0.50	<0.50	<0.50	<0.50	2.7	2.8	7.2
02/23/2005	P		10.51	9.0	--	8.23	2.28	180	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	7.1

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #4494, 566 Hegenberger Rd., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-7 Cont.															
06/27/2005	P		10.51	9.0	--	8.24	2.27	<50	<0.50	<0.50	<0.50	<0.50	4.2	0.1	6.7
08/31/2005	P		10.51	9.0	--	8.27	2.24	<50	<0.50	<0.50	<0.50	<0.50	2.5	1.6	7.2
03/08/2006	--		10.51	9.0	--	7.73	2.78	--	--	--	--	--	--	--	--
9/27/2006	P		10.51	9.0	--	8.31	2.20	<50	<0.50	<0.50	<0.50	<0.50	3.7	1.1	7.3
3/6/2007	--		**10.51**	**9.0**	--	**8.75**	**1.76**	--	--	--	--	--	--	--	--
RW-1															
6/20/2000	--		--	--	--	8.21	--	<50	<0.5	1.1	<0.5	<1.0	<10	--	--
9/28/2000	--		--	--	--	8.28	--	<50	<0.5	<0.5	<0.5	<1.0	<2.5	--	--
12/17/2000	--		--	--	--	8.29	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
3/28/2001	--		--	--	--	8.16	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
6/21/2001	--		--	--	--	9.37	--	160	5.1	<0.5	1.1	3.2	<2.5	--	--
9/23/2001	--		--	--	--	8.75	--	57	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/31/2001	--		--	--	--	6.80	--	520	3.1	<0.5	6.4	4.7	<2.5	--	--
3/14/2002	--		--	--	--	7.86	--	240	3.7	<0.5	0.7	2.8	<2.5	--	--
4/17/2002	--		--	--	--	7.13	--	<50	<0.5	1.6	<0.5	0.72	<2.5	--	--
8/8/2002	--	a, c	--	--	--	8.48	--	<50	<0.5	<0.5	<0.5	<0.5	3.7/<0.5	1.1	7.0
12/12/2002	--		--	--	--	8.63	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	1.9	6.9
3/20/2003	--	e	--	--	--	8.08	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	7.3
6/23/2003	--		--	--	--	8.28	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	7.3
9/22/2003	--	f	11.97	--	--	8.42	3.55	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	7.1
12/03/2003	--	g	11.97	--	--	8.05	3.92	--	--	--	--	--	--	--	--
03/18/2004	P		11.97	--	--	7.18	4.79	50	0.54	<0.50	<0.50	<0.50	<0.50	0.9	7.1
05/25/2004	--	g	11.97	--	--	8.32	3.65	--	--	--	--	--	--	--	--
09/22/2004	P		11.97	--	--	8.42	3.55	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	6.7
12/22/2004	--		11.97	--	--	7.23	4.74	--	--	--	--	--	--	--	--
02/23/2005	P		11.97	--	--	6.89	5.08	190	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	7.2
06/27/2005	--		11.97	--	--	7.86	4.11	--	--	--	--	--	--	--	--
08/31/2005	P		11.97	--	--	8.20	3.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	7.2
03/08/2006	--		11.97	--	--	6.49	5.48	--	--	--	--	--	--	--	--
9/27/2006	P		11.97	--	--	8.04	3.93	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	6.9

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #4494, 566 Hegenberger Rd., Oakland, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
RW-1 Cont.															
3/6/2007	**--**		**11.97**	**--**	**--**	**7.32**	**4.65**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

SYMBOLS AND ABBREVIATIONS:
--/--- = Not calculated, surveyed, available, applicable, analyzed
< = Not detected at or above specifed laboratory reporting limit
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
GRO = Gasoline range organics
GWE = Groundwater elevation in ft MSL
mg/L = Milligrams per liter
MTBE = Methyl tert-butyl ether analyzed by EPA Method 8021B prior to 3/20/03 unless otherwise noted
NP = Well not purged prior to sampling
P = Well purged prior to sampling
TPH-g = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8015M prior to 3/20/03 and by 8260b henceforth
TOC = Top of casing in ft MSL
µg/L = Micrograms per liter

FOOTNOTES:
a = MTBE confirmation analyzed by EPA Method 8260.
b = Hydrocarbon pattern is present in the requested fuel quantitation range for TPH-g/GRO but does not resemble the pattern of the requested fuel.
c = This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
d = Analyzed by EPA Method 8215B/8021B for TPHg/GRO.
e = TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on 2003 samlping event (03/20/03).
f = TOC elvations were re-surveyed on July 18, 2003 by URS Corporation of Pleasant Hill, CA.
g = Wells MW-3, MW-4, MW-5, MW-6 and RW-1 are sampled semi-annually in the 1st and 3rd quarters.
h = TOC was found shattered on December 12, 2002. TOC unknown.
i = Initial analysis for GRO and MTBE within holding time but failed QA/QC criteria.
j = Hydrocarbon result for GRO partly due to individual peak(s) in quantitative range.

NOTES:
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO has been changed from C6-C10 to C4-C12.

The values for pH and DO were obtained through field measurements.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

Table 2. Summary of Fuel Additives Analytical Data

Station #4494, 566 Hegenberger Rd., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-1									
3/20/2003	<1,000	640	780	<5.0	<5.0	<5.0	--	--	
6/23/2003	<1,000	<200	260	<5.0	<5.0	<5.0	<5.0	<5.0	
9/22/2003	<100	250	17	<0.50	<0.50	<0.50	--	--	
12/03/2003	<500	<100	260	<2.5	<2.5	<2.5	--	--	
03/18/2004	<500	<100	130	<2.5	<2.5	<2.5	<2.5	<2.5	
05/25/2004	<500	<100	120	<2.5	<2.5	<2.5	<2.5	<2.5	
09/22/2004	<200	<40	140	<1.0	<1.0	<1.0	<1.0	<1.0	
12/22/2004	<1,000	<200	74	<5.0	<5.0	<5.0	<5.0	<5.0	
02/23/2005	<100	<20	6.0	<0.50	<0.50	2.4	<0.50	<0.50	
06/27/2005	<500	<100	150	<2.5	<2.5	<2.5	<2.5	<2.5	
08/31/2005	<100	<20	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	a
03/08/2006	<300	<20	6.8	<0.50	<0.50	<0.50	<0.50	<0.50	b
9/27/2006	<300	<20	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2007	**<300**	**<20**	**1.8**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-3									
3/20/2003	<100	<20	601	<0.50	<0.50	1.1	--	--	
6/23/2003	<100	<20	5.2	<0.50	<0.50	0.75	<0.50	<0.50	
9/22/2003	<100	<20	3.9	<0.50	<0.50	<0.50	--	--	
03/18/2004	<100	<20	4.6	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	4.7	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2005	<100	<20	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	
9/27/2006	<300	<20	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-4									
3/20/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
6/23/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
03/18/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data

Station #4494, 566 Hegenberger Rd., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-4 Cont.									
08/31/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/27/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-5									
3/20/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
6/23/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
03/18/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2005	<100	<20	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
9/27/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-6									
3/20/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
6/23/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
03/18/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	140	5.0	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/08/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
9/27/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2007	**<300**	**<20**	**0.56**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-7									
3/20/2003	<100	<20	21	<0.50	<0.50	0.62	--	--	
6/23/2003	<100	170	14	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2003	<100	170	5.3	<0.50	<0.50	<0.50	--	--	
12/03/2003	<100	85	4.2	<0.50	<0.50	<0.50	--	--	
03/18/2004	<100	<20	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	a
05/25/2004	<100	43	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data

Station #4494, 566 Hegenberger Rd., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-7 Cont.									
12/22/2004	<100	34	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
06/27/2005	<100	86	4.2	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2005	<100	41	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	
9/27/2006	<300	120	3.7	<0.50	<0.50	<0.50	<0.50	<0.50	
RW-1									
3/20/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
6/23/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/22/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	--	--	
03/18/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
09/22/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
02/23/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
9/27/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

SYMBOLS AND ABBREVIATIONS:
< = Not detected at or above specified laboratory reporting limit
--/--- = Not analyzed, sampled, available
1,2-DCA = 1,2-Dichloroethane
DIPE = Di-isopropyl ether
EDB = 1,2-Dibromoethane
ETBE = Ethyl tert-butyl ether
MTBE = Methyl tert-butyl ether
TAME = tert-Amyl methyl ether
TBA = tert-Butyl alcohol
µg/L = Micrograms per liter

FOOTNOTES:
a = The continuing calibration verification for ethanol was outside of client contractual acceptance limits. However, it was within method acceptance limits and should be useful for its intended purpose.
b = Possible high bias due to CCV falling outside acceptance criteria for TAME, MTBE, 1,2-DCA, and/or ETBE.

NOTES:
All fuel oxygenate compounds were analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

STRATUS
ENVIRONMENTAL, INC.

3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

March 27, 2007

Mr. Rob Miller
Broadbent & Associates, Inc.
2000 Kirman Avenue
Reno, NV 89502

Re: Groundwater Sampling Data Package, BP Service Station No. 4494, located at 466 Hegenberger Road, Oakland, California (Quarterly Monitoring performed on March 6, 2007)

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representative: Jerry Gonzales
Date: March 6, 2007
Arrival: 11:30 *Departure:* 13:30
Weather Conditions: Partly Cloudy
Unusual Field Conditions: None
Scope of Work Performed: Quarterly monitoring and sampling
Variations from Work Scope: Well MW-1 purged dry before three casing volumes were removed.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include bill of lading, field data sheets, chain of custody documentation, and certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,

STRATUS ENVIRONMENTAL, INC.

Jay R. Johnson, P.G.
Project Manager

Attachments:

- Bill of Lading
- Field Data Sheets
- Chain of Custody Documentation
- Certified Analytical Results

CC: Mr. Paul Supple, BP/ARCO

BP GEM OIL COMPANY

TYPE **A** BILL OF LADING

SOURCE RECORD BILL OF LADING FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGEWATER WHICH HAS BEEN RECOVERED FROM GROUNDWATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY BELSHIRE ENVIRONMENTAL TO SEAPORT ENVIRONMENTAL IN REDWOOD CITY, CALIFORNIA.

The contractors performing this work are Stratus Environmental, Inc. [Stratus, 3330 Cameron Park Drive, Suite 550, Cameron Park, CA 95682, (530) 676-6004], and Doulos Environmental, Inc. [Doulos, PO Box 2559, Orangevale, CA 95662, (916) 990-0333]. Stratus is authorized by BP GEM OIL COMPANY to recover, collect, and apportion into loads the non-hazardous well purgewater that is drawn from wells at BP GEM Oil Company facilities and deliver that purgewater to BP GEM Oil Company facility 5786 located in West Sacramento, California. Doulos also performs these services under subcontract to Stratus. Transport routing of the non-hazardous well purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The non-hazardous well purgewater is and remains the property of BP GEM Oil Company.

This **Source Record BILL OF LADING** was initiated to cover the recovery of non-hazardous well purgewater from wells at the BP GEM Oil Company facility described below:

4494

Station # 566

Oakland ~~466~~ Hegenberger Road

Station Address

Total Gallons Collected From Groundwater Monitoring Wells: 40

Added Equipment Rinse Water 5

Any Other Adjustments 0

TOTAL GALS. RECOVERED 45

loaded onto Doulos vehicle # _____

Stratus Project # _____

time 1330 date 3/6/07

Signature Jerry G.

* *

RECEIVED AT BP 5786

time 1830 date 3/14/07

Unloaded by Signature

BP ALAMEDA PORTFOLIO

HYDROLOGIC DATA SHEET

AR 11:30 DP 13:30

Gauge Date: 3-6-07 **Project Name:** *Oakland - 566 Hegenberger Road*

Field Technician: Jerry **Project Number:** *4494*

TOC = Top of Well Casing Elevation
DTP = Depth to Free Product (FP or NAPH) Below TOC
DTW = Depth to Groundwater Below TOC
DTB = Depth to Bottom of Well Casing Below TOC
DIA = Well Casing Diameter
ELEV = Groundwater Elevation
DUP = Duplicate

WELL OR LOCATION	TIME	MEASUREMENT						PURGE & SAMPLE	SHEEN CONFIRMATION (w/bailer)	COMMENTS
		TOC	DTP	DTW	DTB	DIA	ELEV			
MW-1	12:05			6.58	22.88					
MW-3	11:31			8.95	17.79					
MW-4	11:27			7.95	16.50					
MW-5	11:42			5.91	16.85					
MW-6	11:49			5.35	17.98					
MW-7	11:56			8.75	13.32					
RW-1	12:01			7.32	11.20					

BP VALLEY PORTFOLIO

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 4494 PURGED BY: JD WELL I.D.: MW-1

CLIENT NAME: SAMPLED BY: JD SAMPLE I.D.: MW-1

LOCATION: Oakland - 566 Hegenberger Road QA SAMPLES:

DATE PURGED 3-6-07 START (2400hr) 12:31 END (2400hr) 12:35

DATE SAMPLED 3-6-07 SAMPLE TIME (2400hr) 13:15

SAMPLE TYPE: Groundwater x Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" ____ 3" ____ 4" ____ 5" ____ 6" ____ 8" ____ Other ____

Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ( )

DEPTH TO BOTTOM (feet) = 22.88 CASING VOLUME (gal) = 10.9

DEPTH TO WATER (feet) = 6.58 CALCULATED PURGE (gal) = 32.7

WATER COLUMN HEIGHT (feet) = 16.3 ACTUAL PURGE (gal) = 33.0

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
3-6-07	12:38	11	21.3	6.09	7.23	clear	
1	12:35	22	21.5	28.29	6.95	1	pump Dry

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 9.41 SAMPLE TURBIDITY: clear

80% RECHARGE: Y YES ___ NO ANALYSES: see work order

ODOR: NO SAMPLE VESSEL / PRESERVATIVE:

PURGING EQUIPMENT

- ___ Bladder Pump
- X Centrifugal Pump
- ___ Submersible Pump
- ___ Peristalic Pump
- ___ Bailer (Teflon)
- ___ Bailer (PVC)
- ___ Bailer (Stainless Steel)
- ___ Dedicated ____

Other: ____

Pump Depth: 22.80

SAMPLING EQUIPMENT

- ___ Bladder Pump
- ___ Centrifugal Pump
- ___ Submersible Pump
- ___ Peristalic Pump
- ___ Bailer (Teflon)
- X Bailer (___ PVC or 1 disposable)
- ___ Bailer (Stainless Steel)
- ___ Dedicated ____

Other: ____

WELL INTEGRITY: Good LOCK#: MASTER

REMARKS: DO 2.89

SIGNATURE: [signature]

BP VALLEY PORTFOLIO

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 4494 PURGED BY: JC WELL I.D.: MW-6

CLIENT NAME: SAMPLED BY: JC SAMPLE I.D.: MW-6

LOCATION: Oakland - 566 Hegenberger Road QA SAMPLES:

DATE PURGED 3-6-07 START (2400hr) 12:49 END (2400hr) 12:52

DATE SAMPLED 3-6-07 SAMPLE TIME (2400hr) 12:57

SAMPLE TYPE: Groundwater x Surface Water ____ Treatment Effluent ____ Other ____

CASING DIAMETER: 2" X (0.17) 3" ____ (0.38) 4" ____ (0.67) 5" ____ (1.02) 6" ____ (1.50) 8" ____ (2.60) Other ____ ( )

Casing Volume: (gallons per foot)

DEPTH TO BOTTOM (feet) = 17.98 CASING VOLUME (gal) = 2.1

DEPTH TO WATER (feet) = 5.35 CALCULATED PURGE (gal) = 6.4

WATER COLUMN HEIGHT (feet) = 12.6 ACTUAL PURGE (gal) = 7.0

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOR (visual)	TURBIDITY (NTU)
3-6-07	12:50	2.1	25.5	15.46	7.27	cloudy	
	12:51	4.5	24.9	7.62	7.59	cloudy	
	12:52	7.0	23.5	6.90	7.49	clear	

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 5.40 SAMPLE TURBIDITY: Clear

80% RECHARGE: ____ YES ____ NO ANALYSES: See work order

ODOR: NO SAMPLE VESSEL / PRESERVATIVE: 6 VOA - HCL

PURGING EQUIPMENT

- ____ Bladder Pump
- X Centrifugal Pump
- ____ Submersible Pump
- ____ Peristalic Pump
- ____ Bailer (Teflon)
- ____ Bailer (PVC)
- ____ Bailer (Stainless Steel)
- ____ Dedicated ____

Other: ____

Pump Depth: 15.0

SAMPLING EQUIPMENT

- ____ Bladder Pump
- ____ Centrifugal Pump
- ____ Submersible Pump
- ____ Peristalic Pump
- ____ Bailer (Teflon)
- X Bailer (____ PVC or X disposable)
- ____ Bailer (Stainless Steel)
- ____ Dedicated ____

Other: ____

WELL INTEGRITY: Good LOCK#: MASTER

REMARKS: DO. 1.77

SIGNATURE: Page ____ of ____

Wellhead Observation Form

Account: _____

Sampled by: Jerry Date: 3-6-07

Well ID	Box in good condition	Lock Missing (Replaced with new)	Water in Box	Bolts Missing	Bolts Stripped	Bolt-Holes Stripped	Cracked or Broken Lid	Cracked Box and/or Bolt - Holes	Misc.	Add'l -- Notes and Other Stuff
MW-1										
MW-3	Y	N	Y	Y	N	N	N			
MW-4	Y	N	N	—	—	—	N			
MW-5	Y	Y	Y	Y	Y	N	N			Needs NO BOLTS
MW-6	Y	N	Y	N	N	N	N			
MW-7	Y	N	N	Y	N	N	N			
PW-1	Y	N	N	Y	Y	N	N	N		

Atlantic Richfield Company
bp A BP affiliated company

Chain of Custody Record

Project Name: BP 4494
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > CA > Alameda>4494
State or Lead Regulatory Agency:
Requested Due Date (mm/dd/yy):

On-site Time: 11:30	Temp: 60		
Off-site Time: 13:30	Temp: 65		
Sky Conditions: pt cloudy			
Meteorological Events:			
Wind Speed: 5 mph	Direction: N		

Lab Name: TestAmerica	BP/AR Facility No.: 4494	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 566 Hegenberger Road, Oakland	Address: 3330 Cameron Park Drive, Suite 550
Morgan Hill, CA 95937	Site Lat/Long:	Cameron Park, CA 95682
Lab PM: Lisa Race	California Global ID #: T0600100104	Consultant/Contractor Project No.: E4494-04
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C2G-0014	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or RCOP (circle one) Provision	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 04-Monitoring	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	Invoice to: Atlantic Richfield Co.

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air		Laboratory No.	No. of Containers	Preservative: Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analysis: GRO/BTEX/Oxy*	1,2 DCA	Ethanol	EDB	DRO						Sample Point Lat/Long and Comments *Oxy = MTBD, TAME, ETBE, DIPE, TBA
1	MW-1	1315	3-6-07		X				3				X			X	X	X	X							
2	MW-6	12:59	3-6-07		X				6				X			X	X	X	X							
3	TB 4494	7:00	3-6-07		X				2				X			X	X	X	X							HOLD
4																										
5																										
6																										
7																										
8																										
9																										
10																										5.8°

Sampler's Name: Jerry Gonzalez
Sampler's Company: Doulos Env
Shipment Date:
Shipment Method:
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]			[signature]	3/8/07	0815

Special Instructions: Please cc results to: rmiller@broadbentinc.com

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

TestAmerica
ANALYTICAL TESTING CORPORATION

885 Jarvis Drive
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23 March, 2007

Jay Johnson
Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park, CA 95682

RE: ARCO #4494, Oakland, CA
Work Order: MQC0346

Enclosed are the results of analyses for samples received by the laboratory on 03/09/07 07:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

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Stratus Environmental Inc. [Arco]	Project: ARCO #4494, Oakland, CA	MQC0346
3330 Cameron Park Dr., Suite 550	Project Number: G0C2G-0014	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/23/07 12:25

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MQC0346-01	Water	03/06/07 13:15	03/09/07 07:45
MW-6	MQC0346-02	Water	03/06/07 12:57	03/09/07 07:45
TB 4494	MQC0346-03	Water	03/06/07 07:00	03/09/07 07:45

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with no custody seals.

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Stratus Environmental Inc. [Arco]	Project: ARCO #4494, Oakland, CA	MQC0346
3330 Cameron Park Dr., Suite 550	Project Number: G0C2G-0014	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/23/07 12:25

Total Purgeable Hydrocarbons by GC/MS (CA LUFT)

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MQC0346-01) Water Sampled: 03/06/07 13:15 Received: 03/09/07 07:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C14018	03/14/07	03/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-145*		"	"	"	"	
MW-6 (MQC0346-02) Water Sampled: 03/06/07 12:57 Received: 03/09/07 07:45									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	7C14018	03/14/07	03/15/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-145*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #4494, Oakland, CA	MQC0346
3330 Cameron Park Dr., Suite 550	Project Number: G0C2G-0014	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/23/07 12:25

Volatile Organic Compounds by EPA Method 8260B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MQC0346-01) Water Sampled: 03/06/07 13:15 Received: 03/09/07 07:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7C14018	03/14/07	03/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.8**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88 %*	*60-120*		"	"	"	"	
MW-6 (MQC0346-02) Water Sampled: 03/06/07 12:57 Received: 03/09/07 07:45									
tert-Amyl methyl ether	ND	0.50	ug/l	1	7C14018	03/14/07	03/15/07	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.56**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98 %*	*75-130*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*60-145*		"	"	"	"	
Surrogate: Toluene-d8		*94 %*	*70-130*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89 %*	*60-120*		"	"	"	"	

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Stratus Environmental Inc. [Arco]	Project: ARCO #4494, Oakland, CA	MQC0346
3330 Cameron Park Dr., Suite 550	Project Number: G0C2G-0014	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/23/07 12:25

Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14018 - EPA 5030B P/T / LUFT GCMS										
Blank (7C14018-BLK1)				Prepared & Analyzed: 03/14/07						
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	*2.56*		"	*2.50*		*102*	*60-145*			
Laboratory Control Sample (7C14018-BS2)				Prepared & Analyzed: 03/14/07						
Gasoline Range Organics (C4-C12)	509	50	ug/l	500		102	75-140			
Surrogate: 1,2-Dichloroethane-d4	*2.58*		"	*2.50*		*103*	*60-145*			
Laboratory Control Sample Dup (7C14018-BSD2)				Prepared & Analyzed: 03/14/07						
Gasoline Range Organics (C4-C12)	499	50	ug/l	500		100	75-140	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.60*		"	*2.50*		*104*	*60-145*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #4494, Oakland, CA	MQC0346
3330 Cameron Park Dr., Suite 550	Project Number: G0C2G-0014	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/23/07 12:25

Volatile Organic Compounds by EPA Method 8260B - Quality Control
TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14018 - EPA 5030B P/T / EPA 8260B										
Blank (7C14018-BLK1)				Prepared & Analyzed: 03/14/07						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	*2.40*		"	*2.50*		*96*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.56*		"	*2.50*		*102*	*60-145*			
Surrogate: Toluene-d8	*2.41*		"	*2.50*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.30*		"	*2.50*		*92*	*60-120*			
Laboratory Control Sample (7C14018-BS1)				Prepared & Analyzed: 03/14/07						
tert-Amyl methyl ether	12.1	0.50	ug/l	10.0		121	65-135			
Benzene	11.0	0.50	"	10.0		110	70-125			
tert-Butyl alcohol	206	20	"	200		103	60-135			
Di-isopropyl ether	11.8	0.50	"	10.0		118	70-130			
1,2-Dibromoethane (EDB)	11.8	0.50	"	10.0		118	75-140			
1,2-Dichloroethane	11.1	0.50	"	10.0		111	75-125			
Ethanol	210	300	"	200		105	15-150			
Ethyl tert-butyl ether	11.5	0.50	"	10.0		115	65-130			
Ethylbenzene	11.1	0.50	"	10.0		111	70-130			
Methyl tert-butyl ether	11.3	0.50	"	10.0		113	50-140			
Toluene	10.3	0.50	"	10.0		103	70-120			
Xylenes (total)	32.2	0.50	"	30.0		107	80-125			
Surrogate: Dibromofluoromethane	*2.62*		"	*2.50*		*105*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.57*		"	*2.50*		*103*	*60-145*			
Surrogate: Toluene-d8	*2.50*		"	*2.50*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*60-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #4494, Oakland, CA	MQC0346
3330 Cameron Park Dr., Suite 550	Project Number: G0C2G-0014	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/23/07 12:25

Volatile Organic Compounds by EPA Method 8260B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7C14018 - EPA 5030B P/T / EPA 8260B										
Matrix Spike (7C14018-MS1)	**Source: MQC0372-04**			Prepared & Analyzed: 03/14/07						
tert-Amyl methyl ether	13.3	0.50	ug/l	10.0	ND	133	65-135			
Benzene	12.3	0.50	"	10.0	ND	123	70-125			
tert-Butyl alcohol	229	20	"	200	ND	114	60-135			
Di-isopropyl ether	13.4	0.50	"	10.0	ND	134	70-130			LM
1,2-Dibromoethane (EDB)	13.1	0.50	"	10.0	ND	131	75-140			
1,2-Dichloroethane	12.6	0.50	"	10.0	ND	126	75-125			LM
Ethanol	220	300	"	200	ND	110	15-150			
Ethyl tert-butyl ether	13.0	0.50	"	10.0	ND	130	65-130			
Ethylbenzene	12.3	0.50	"	10.0	ND	123	70-130			
Methyl tert-butyl ether	12.7	0.50	"	10.0	ND	127	50-140			
Toluene	11.6	0.50	"	10.0	ND	116	70-120			
Xylenes (total)	35.5	0.50	"	30.0	ND	118	80-125			
Surrogate: Dibromofluoromethane	*2.61*		"	*2.50*		*104*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.61*		"	*2.50*		*104*	*60-145*			
Surrogate: Toluene-d8	*2.45*		"	*2.50*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		"	*2.50*		*103*	*60-120*			
Matrix Spike Dup (7C14018-MSD1)	**Source: MQC0372-04**			Prepared & Analyzed: 03/14/07						
tert-Amyl methyl ether	12.7	0.50	ug/l	10.0	ND	127	65-135	5	25	
Benzene	11.6	0.50	"	10.0	ND	116	70-125	6	15	
tert-Butyl alcohol	215	20	"	200	ND	108	60-135	6	35	
Di-isopropyl ether	12.7	0.50	"	10.0	ND	127	70-130	5	35	
1,2-Dibromoethane (EDB)	12.4	0.50	"	10.0	ND	124	75-140	5	15	
1,2-Dichloroethane	11.9	0.50	"	10.0	ND	119	75-125	6	20	
Ethanol	231	300	"	200	ND	116	15-150	5	35	
Ethyl tert-butyl ether	12.3	0.50	"	10.0	ND	123	65-130	6	35	
Ethylbenzene	11.5	0.50	"	10.0	ND	115	70-130	7	15	
Methyl tert-butyl ether	12.1	0.50	"	10.0	ND	121	50-140	5	25	
Toluene	10.8	0.50	"	10.0	ND	108	70-120	7	15	
Xylenes (total)	33.0	0.50	"	30.0	ND	110	80-125	7	15	
Surrogate: Dibromofluoromethane	*2.63*		"	*2.50*		*105*	*75-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.57*		"	*2.50*		*103*	*60-145*			
Surrogate: Toluene-d8	*2.48*		"	*2.50*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.56*		"	*2.50*		*102*	*60-120*			

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Stratus Environmental Inc. [Arco]	Project: ARCO #4494, Oakland, CA	MQC0346
3330 Cameron Park Dr., Suite 550	Project Number: G0C2G-0014	**Reported:**
Cameron Park CA, 95682	Project Manager: Jay Johnson	03/23/07 12:25

Notes and Definitions

LM	MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Atlantic Richfield Company
bp
A BP affiliated company

Chain of Custody Record

Project Name: BP 4494
BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > CA > Alameda>4494
State or Lead Regulatory Agency:
Requested Due Date (mm/dd/yy):

On-site Time:	11:30	Temp:	60
Off-site Time:	13:30	Temp:	65
Sky Conditions:	pt cloudy		
Meteorological Events:			
Wind Speed:	5 mph	Direction:	N

Lab Name: TestAmerica	BP/AR Facility No.: 4494	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 566 Hegenberger Road, Oakland	Address: 3330 Cameron Park Drive, Suite 550
Morgan Hill, CA 95937	Site Lat/Long:	Cameron Park, CA 95682
Lab PM: Lisa Race	California Global ID #: T0600100104	Consultant/Contractor Project No.: E4494-04
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G0C2G-0014	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or RCOP (circle one) Provision	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 04-Monitoring	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	Invoice to: Atlantic Richfield Co.

Lab Bottle Order No: MQC0346

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO/BTEX/Oxy*	Requested Analysis: 1,2 DCA	Requested Analysis: Ethanol	Requested Analysis: EDB	Requested Analysis: DRO	Sample Point Lat/Long and Comments *Oxy = MTBD, TAME, ETBE, DIPE, TBA
1	MW-1	1375	3-6-07		X		01	3				X		X	X	X	X		
2	MW-6	1259	3-6-07		X		02	6				X		X	X	X	X		
3	TB 4494	700	3-6-07		X		03	2				X		X	X	X	X		HOLD
4																			
5																			
6																			
7																			
8																			
9																			
10																			

5.8

Sampler's Name: Jerry Gonzalez	**Relinquished By / Affiliation**	**Date**	**Time**	**Accepted By / Affiliation**	**Date**	**Time**
Sampler's Company: Dou10'S ENV					3/8/07	0815
Shipment Date:		3/6/07	1600		3/9/07	745
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Please cc results to: rmiller@broadbentinc.com

Custody Seals In Place: Yes / (No) | Temp Blank: Yes / (No) | Cooler Temp on Receipt: 4.4 °F/(C) | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: (Yes) / No

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco
REC. BY (PRINT) A.M.
WORKORDER: MQC0346

DATE REC'D AT LAB: 3-9-07
TIME REC'D AT LAB: 745
DATE LOGGED IN: 3/13/07

For Regulatory Purposes?
DRINKING WATER YES / (NO)
WASTE WATER YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*								
2. Chain-of-Custody (Present) / Absent*								
3. Traffic Reports or Packing List: (Present) / Absent								
4. Airbill: (Airbill) / Sticker (Present) / Absent								
5. Airbill #: See Attached								
6. Sample Labels: (Present) / Absent								
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody								
8. Sample Condition: (Intact) / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? (Yes) / No*								
10. Sample received within hold time? (Yes) / No*								
11. Adequate sample volume received? (Yes) / No*								
12. Proper preservatives used? (Yes) / No*								
13. (Trip Blank) / ~~Temp Blank~~ Received? (circle which, if yes) (Yes) / No*								
14. Read Temp: 4.4°C Corrected Temp: 4.4°C Is corrected temp 4 +/-2°C? (Yes) / No**								

(Acceptance range for samples requiring thermal pres.)

**Exception (if any): METALS / DFF ON ICE or Problem COC

3-9-07 A.M. See COC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

California Overnight Shipping Label

CALIFORNIA OVERNIGHT

1-800-334-5000 / www.calover.com

D10010123485123

Date Printed 3/8/2007

Tracking#D10010123485123

Shipped From:
TEST AMERICA - SACRAMENTO
819 STRIKER AVENUE 8
SACRAMENTO, CA 95834

Sent By: TIM ALBRIGHT
Phone#: (916)921-9600
wgt(lbs): 14
Reference:
Decl. Value: $0.00

Ship To Company:	*Service:* **S**
TESTAMERICA - MORGAN HILL **885 JARVIS DR** **MORGAN HILL, CA 95037** **SAMPLE CONTROL (408)776-9600**	*Sort Code:* **SJC** *Special Services:*