RO - 204

URS

October 28, 2004

Alameda County
NOV 03 2004
Environmental Health

Mr. Robert Schultz
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Third Quarter 2004 Groundwater Monitoring Report
ARCO Service Station #4494
566 Hegenberger Road
Oakland, California
URS Project #38486721

Dear Mr. Schultz:

On behalf of Atlantic Richfield Company (RM), a BP affiliated company, URS Corporation (URS) is submitting the *Third Quarter 2004 Groundwater Monitoring Report* for ARCO Service Station #4494, located at 566 Hegenberger Road, Oakland, California.

If you have any questions regarding this submission, please call me at (510) 874-3280.

Sincerely,

URS CORPORATION

Scott Robinson
Project Manager

Robert Horwath, R.G.
Portfolio Manager

REGISTERED GEOLOGIST
ROBERT M. HORWATH
NO. 5925
4/05
STATE OF CALIFORNIA

Enclosure: Third Quarter 2004 Groundwater Monitoring Report

cc: Mr. Paul Supple, Atlantic Richfield Company (RM), electronic copy uploaded to ENFOS

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
Fax: 510.874.3268

REPORT

THIRD QUARTER 2004 GROUNDWATER MONITORING

ARCO SERVICE STATION #4494
566 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

Prepared for
RM

October 28, 2004

URS
URS Corporation
1333 Broadway, Suite 800
Oakland, California 94612

38486721

Date:	October 28, 2004
Quarter:	3Q 04

RM QUARTERLY GROUNDWATER MONITORING REPORT

Facility No.:	4494	Address:	566 Hegenberger Road, Oakland, California
RM Environmental Business Manager:			Paul Supple
Consulting Co./Contact Person:			URS Corporation / Scott Robinson
Consultant Project No.:			384863721
Primary Agency/Regulatory ID No.			Alameda County Environmental Health (ACEH)/STID #3854

WORK PERFORMED THIS QUARTER (Third – 2004):

1. Performed third quarter 2004 monitoring event on September 22, 2004.
2. Prepared and submitted second quarter groundwater monitoring report.

WORK PROPOSED FOR NEXT QUARTER (Fourth– 2004):

1. Prepare and submit this third quarter groundwater monitoring report.
2. Perform fourth quarter 2004 groundwater monitoring event.
3. Prepare and submit fourth quarter 2004 groundwater monitoring report.

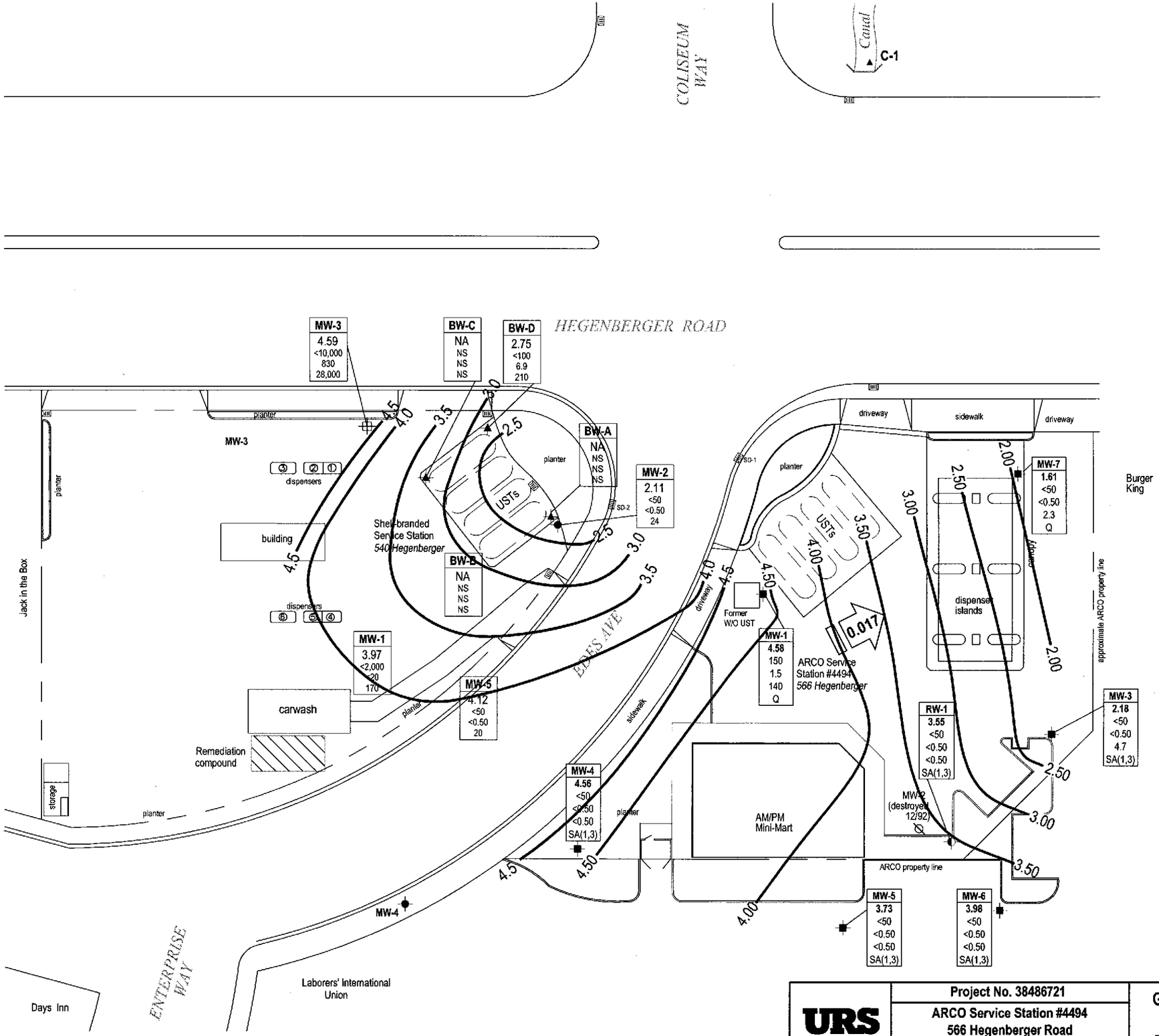
Current Phase of Project:	GW monitoring/sampling
Frequency of Groundwater Sampling:	Quarterly: MW-1, MW-7. Semi-annually (1st and 3rd Quarter): MW-3 to MW-6, and RW-1
Frequency of Groundwater Monitoring:	Quarterly
Is Free Product (FP) Present On–Site:	No
Bulk Soil Removed to Date:	1,550 cubic yards
Current Remediation Techniques:	None
Approximate Depth to Groundwater:	6.43 (MW-6) to 9.44 (MW-3) feet
Groundwater Gradient (direction):	North-Northwest
Groundwater Gradient (magnitude):	0.017 feet per foot

DISCUSSION:

Gasoline Range Organics (GRO) were detected at or above the laboratory reporting limit in one of the seven wells sampled this quarter at a concentration of 150 µg/L (MW-1). Benzene was detected at or above the laboratory reporting limit in one of the seven wells sampled this quarter at a concentration of 1.5 µg/L (MW-1). Methyl tert-butyl ether (MTBE) was detected at or above the laboratory reporting limit in three of the seven wells sampled at concentrations ranging from 2.3 µg/L (MW-7) to 140 µg/L (MW-1). No other fuel additives were detected at or above their respective laboratory reporting limits.

ATTACHMENTS:

- Figure 1 – Groundwater Elevation Contour and Analytical Summary Map – September 22, 2004
- Table 1 – Groundwater Elevation and Analytical Data
- Table 2 – Groundwater Flow Direction and Gradient
- Table 3 – Fuel Additive Analytical Data
- Attachment A – Field Procedures and Field Data Sheets
- Attachment B – Laboratory Procedures, Certified Analytical Reports, and Chain-of-Custody Records
- Attachment C – Historical Groundwater Data
- Attachment D – Error Check Reports and EDF/Geowell Submittal Confirmations
- Attachment E – Joint Monitoring Data



EXPLANATION

- Shell monitoring well
- Tank backfill well
- Well used for groundwater extraction
- ARCO monitoring well
- ARCO recovery well
- Canal sampling location
- Well designation
- Groundwater elevation
- Concentration of GRO, Benzene and MTBE in groundwater (µg/L)
- Sampling period

Well
ELEV
GRO
Benzene
MTBE
Q or A

- SA(1,3) Sampled semi-annually, 1st & 3rd quarters
- < Not detected at or above laboratory reporting limits
- NS Not sampled
- Q Sampled quarterly
- 0.017 Approximate groundwater flow direction and gradient (ft/ft)
- 2.00 Groundwater elevation contour (ft/MSL) (dashed where estimated)

NOTES: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMESIONS AND FACILITY LOCATIONS NOT VERIFIED.

BECAUSE OF SHELL'S EXTRACTION WELL PROGRAM, A CONE OF DEPRESSION HAS BEEN CREATED AND THEREFORE THE GROUNDWATER ELEVATIONS FOR THIS SITE ARE LOW COMPARED TO ATLANTIC RICHFIELD COMPANY'S ONSITE WELLS.

NORTH

0 20 40 80

Scale (ft)

URS	Project No. 38486721 ARCO Service Station #4494 566 Hegenberger Road Oakland, California	GROUNDWATER ELEVATION CONTOUR AND ANALYTICAL SUMMARY MAP Third Quarter 2004 (September 22, 2004)	FIGURE 1

Oct 28, 2004 - 5:16pm
X:\x_env_waste\BP GEM\Sites\Scott Robinson\Paul Supple\4494\Monitoring\Qtr. 3, 2004\Drawings\4494-3Q04-GW_NEW.dwg

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #4494

566 Hegenberger Rd., Oakland, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-1	6/20/2000	--	a	106.1	13.00	--	7.02	--	99.08	<1,000	<10	<10	<10	<20	14,000/15,000	---	---
	9/28/2000	--	a	106.1	13.00	--	7.07	--	99.03	<500	<5.0	<5.0	<5.0	<5.0	13000/18,800	---	---
	12/17/2000	--		106.1	13.00	--	6.95	--	99.15	<50	<0.5	<0.5	<0.5	<0.5	10,600	---	---
	3/28/2001	--		106.1	13.00	--	6.88	--	99.22	<500	<5.0	<5.0	<5.0	<5.0	16,900	---	---
	6/21/2001	--		106.1	13.00	--	7.18	--	98.92	<1,000	<10	<10	<10	<10	3,400	---	---
	9/23/2001	--	a	106.1	13.00	--	7.11	--	98.99	<1,000	<10	<10	<10	<10	2200/1800	---	---
	12/31/2001	--		106.1	13.00	--	6.91	--	99.19	<5,000	<50	<50	<50	<50	14,000	---	---
	3/14/2002	--		106.1	13.00	--	6.85	--	99.25	<5,000	<50	<50	<50	<50	6,200	---	---
	4/17/2002	--		106.1	13.00	--	5.89	--	100.21	<5,000	<50	<50	<50	<50	4,500	---	---
	8/8/2002	--	a, b(TPHg)	106.1	13.00	--	7.19	--	98.91	230	<2.0	<2.0	<2.0	<2.0	660/440	4.5	7.8
	12/12/2002	--	a, d(TPHg)	106.1	13.00	--	7.28	--	98.82	630	<5.0	<5.0	<5.0	<5.0	1300/830	1.9	7.6
	3/20/2003	--	e	106.1	13.00	--	6.91	--	99.19	1,100	<5.0	<5.0	<5.0	<5.0	780	2.2	8.5
	6/23/2003	--		106.1	13.00	--	7.61	--	98.49	530	<5.0	<5.0	<5.0	<5.0	260	1.2	7.6
	9/22/2003	--		11.36	13.00	--	7.78	--	3.58	<50	<0.50	<0.50	<0.50	<0.50	17	3.5	7.7
	12/03/2003	P		11.36	13.00	--	7.90	--	3.46	410	2.6	9.8	<2.5	11	260	2.1	6.9
	03/18/2004	P		11.36	13.00	--	6.68	--	4.68	<250	<2.5	<2.5	<2.5	<2.5	130	2.4	7.0
	05/25/2004	P		11.36	13.00	--	7.55	--	3.81	<250	<2.5	<2.5	<2.5	<2.5	120	1.3	7.0
	09/22/2004	**P**		**11.36**	**13.00**	**--**	**6.78**	**--**	**4.58**	**150**	**1.5**	**<1.0**	**<1.0**	**<1.0**	**140**	**3.8**	**7.12**
MW-3	6/20/2000	--	a	106.29	7.00	17.70	9.18	--	97.11	<50	<0.5	<0.5	<0.5	<1.0	27/27	---	---
	9/28/2000	--	a	106.29	7.00	17.70	9.33	--	96.96	<50	<0.5	<0.5	<0.5	<1.0	4.3/<2.0	---	---
	12/17/2000	--		106.29	7.00	17.70	9.31	--	96.98	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	3/28/2001	--		106.29	7.00	17.70	9.23	--	97.06	<50	<0.5	<0.5	<0.5	<0.5	7.42	---	---
	6/21/2001	--		106.29	7.00	17.70	9.58	--	96.71	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	9/23/2001	--		106.29	7.00	17.70	9.76	--	96.53	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	12/31/2001	--		106.29	7.00	17.70	8.78	--	97.51	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	3/14/2002	--		106.29	7.00	17.70	9.25	--	97.04	<50	<0.5	<0.5	<0.5	<0.5	4.0	---	---
	4/17/2002	--		106.29	7.00	17.70	8.44	--	97.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	8/8/2002	--		106.29	7.00	17.70	9.63	--	96.66	<50	<0.5	<0.5	<0.5	<0.5	<2.5	2.6	7.9
	12/12/2002	--	d (TPH-g)	106.29	7.00	17.70	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	17.70	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	17.70	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	17.70	9.48	--	2.14	<50	<0.50	<0.50	<0.50	<0.50	3.9	1.4	7.9

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #4494

566 Hegenberger Rd., Oakland, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-3	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**	**--**	**--**
MW-4	6/20/2000	--		107.4	7.00	--	8.49	--	98.91	<50	<0.5	<0.5	<0.5	<1.0	<10	---	---
	9/28/2000	--		107.4	7.00	--	8.70	--	98.70	<50	<0.5	<0.5	<0.5	<1.0	<2.5	---	---
	12/17/2000	--		107.4	7.00	--	8.53	--	98.87	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	3/28/2001	--		107.4	7.00	--	8.59	--	98.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	6/21/2001	--		107.4	7.00	--	8.79	--	98.61	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	9/23/2001	--		107.4	7.00	--	8.67	--	98.73	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	12/31/2001	--		107.4	7.00	--	8.03	--	99.37	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	3/14/2002	--		107.4	7.00	--	8.48	--	98.92	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	4/17/2002	--		107.4	7.00	--	7.79	--	99.61	<50	<0.5	<0.5	<0.5	<0.5	5.6	---	---
	8/8/2002	--		107.4	7.00	--	8.90	--	98.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	4.5	8.0
	12/12/2002	--	d (TPH-g)	107.4	7.00	--	9.07	--	98.33	<50	<0.5	<0.5	<0.5	<0.5	<2.5	5.6	6.2
	3/20/2003	--	e	107.4	7.00	--	8.85	--	98.55	<50	<0.50	<0.50	<0.50	0.50	<0.50	4.8	7.8
	6/23/2003	--		107.4	7.00	--	9.26	--	98.14	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.3	7.5
	9/22/2003	--		13.18	7.00	--	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	7.00	--	9.48	--	3.70	--	--	--	--	--	--	--	--
	03/18/2004	NP		13.18	7.00	--	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	7.00	--	9.03	--	4.15	--	--	--	--	--	--	--	--
	09/22/2004	**NP**		**13.18**	**7.00**	**--**	**8.62**	**--**	**4.56**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**3.7**	**--**
MW-5	6/20/2000	--		105.19	8.00	--	7.65	--	97.54	<50	<0.5	<0.5	<0.5	<1.0	<10	---	---
	9/28/2000	--		105.19	8.00	--	6.82	--	98.37	<50	<0.5	<0.5	<0.5	<1.0	<2.5	---	---
	12/17/2000	--		105.19	8.00	--	6.50	--	98.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	3/28/2001	--		105.19	8.00	--	6.34	--	98.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	6/21/2001	--		105.19	8.00	--	7.88	--	97.31	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	9/23/2001	--		105.19	8.00	--	6.98	--	98.21	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	12/31/2001	--		105.19	8.00	--	5.01	--	100.18	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	3/14/2002	--		105.19	8.00	--	5.93	--	99.26	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	4/17/2002	--		105.19	8.00	--	5.37	--	99.82	<50	<0.5	<0.5	<0.5	<0.5	8.5	---	---
	8/8/2002	--	b (TPH-g)	105.19	8.00	--	6.85	--	98.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.7	7.3
	12/12/2002	--	d (TPH-g)	105.19	8.00	--	6.53	--	98.66	<50	2.2	4.7	1.3	6.8	<2.5	1.3	7.0

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #4494

566 Hegenberger Rd., Oakland, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-5	3/20/2003	--	e	105.19	8.00	--	6.40	--	98.79	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	7.1
	6/23/2003	--		105.19	8.00	--	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	8.00	--	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	8.00	--	6.56	--	4.07	--	--	--	--	--	--	--	--
	03/18/2004	P		10.63	8.00	--	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	8.00	--	6.77	--	3.86	--	--	--	--	--	--	--	--
	09/22/2004	**P**		**10.63**	**8.00**	**--**	**6.90**	**--**	**3.73**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.0**	**7.17**
MW-6	6/20/2000	--		105.07	8.00	--	6.24	--	98.83	<50	<0.5	<0.5	<0.5	<1.0	<10	---	---
	9/28/2000	--		105.07	8.00	--	6.45	--	98.62	<50	<0.5	<0.5	<0.5	<1.0	<2.5	---	---
	12/17/2000	--		105.07	8.00	--	6.26	--	98.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	3/28/2001	--		105.07	8.00	--	6.10	--	98.97	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	6/21/2001	--		105.07	8.00	--	7.68	--	97.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	9/23/2001	--		105.07	8.00	--	6.72	--	98.35	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	12/23/2001	--		105.07	8.00	--	4.68	--	100.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	3/14/2002	--		105.07	8.00	--	5.55	--	99.52	<50	<0.5	<0.5	<0.5	<0.5	<2.5	---	---
	4/17/2002	--		105.07	8.00	--	4.96	--	100.11	<50	<0.5	<0.5	<0.5	<0.5	7.0	---	---
	8/8/2002	--		105.07	8.00	--	6.46	--	98.61	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.7	7.3
	12/12/2002	--	d (TPH-g)	105.07	8.00	--	6.18	--	98.89	65	3.3	8.4	2.7	14	<2.5	1.1	6.9
	3/20/2003	--	e	105.07	8.00	--	6.18	--	98.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	7.0
	6/23/2003	--		105.07	8.00	--	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	8.00	--	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	8.00	--	6.12	--	4.29	--	--	--	--	--	--	--	--
	03/18/2004	P		10.41	8.00	--	5.40	--	5.01	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.9	7.2
	05/25/2004	--	g	10.41	8.00	--	6.30	--	4.11	--	--	--	--	--	--	--	--
	09/22/2004	**P**		**10.41**	**8.00**	**--**	**6.43**	**--**	**3.98**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.3**	**7.01**
MW-7	6/20/2000	--	a	105.52	9.00	--	8.65	--	96.87	<50	<0.5	<0.5	<0.5	<1.0	13/13	---	---
	9/28/2000	--	a	105.52	9.00	--	8.75	--	96.77	<50	<0.5	<0.5	<0.5	<1.0	136/261	---	---
	12/17/2000	--		105.52	9.00	--	8.62	--	96.90	<50	<0.5	<0.5	<0.5	<0.5	27.1	---	---
	3/28/2001	--		105.52	9.00	--	8.66	--	96.86	<50	<0.5	<0.5	<0.5	<0.5	51.5	---	---
	6/21/2001	--		105.52	9.00	--	8.84	--	96.68	<50	<0.5	<0.5	<0.5	<0.5	53	---	---
	9/23/2001	--	a	105.52	9.00	--	8.75	--	96.77	<50	<0.5	<0.5	<0.5	<0.5	35/21	---	---
	12/23/2001	--		105.52	9.00	--	7.79	--	97.73	<50	<0.5	<0.5	<0.5	<0.5	440	---	---
	3/14/2002	--		105.52	9.00	--	8.30	--	97.22	<50	<0.5	<0.5	<0.5	<0.5	18	---	---

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #4494

566 Hegenberger Rd., Oakland, CA

Well No.	Date	P/ NP	Notes	TOC (feet)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet)	Product Thickness (feet)	GWE (feet)	GRO/ TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	DO (mg/L)	pH
MW-7	4/17/2002	--		105.52	9.00	--	7.43	--	98.09	<50	<0.5	<0.5	<0.5	<0.5	67	---	---
	8/8/2002	--	a, b (TPHg)	105.52	9.00	--	8.61	--	96.91	55	<0.5	<0.5	<0.5	<0.5	130/100	1.1	7.1
	12/12/2002	--	a, d (TPHg), h	105.52	9.00	--	8.55	--	---	75	< 0.5	< 0.5	< 0.5	< 0.5	160/130	1.2	7.0
	3/20/2003	--	e	105.52	9.00	--	8.38	--	---	<50	<0.50	<0.50	<0.50	<0.50	32	2.2	7.2
	6/23/2003	--		105.52	9.00	--	8.37	--	---	<50	<0.50	<0.50	<0.50	<0.50	14	0.8	7.1
	9/22/2003	--	f	10.51	9.00	--	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	9.00	--	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	9.00	--	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	9.00	--	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**	**9.00**	**--**	**8.90**	**--**	**1.61**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**2.3**	**0.9**	**7.27**
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 (MTBE)	---	--	--	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**

Table 1

Groundwater Elevation and Analytical Data

ARCO Station #4494

566 Hegenberger Rd., Oakland, CA

ft bgs = Feet below ground surface
TOC = Top of casing
DTW = Depth to water
GWE = Groundwater elevation
MSL = Mean sea level
TPH = Total petroleum hydrocarbons analyzed by EPA Method 8015M prior to 3/20/03.
GRO = Gasoline range organics
MTBE = Methyl tertiary butyl ether analyzed by EPA Method 8021B prior to 3/20/03 unless otherwise noted.
ug/L = Micrograms per liter
mg/L = Milligrams per liter
--- = Not calculated, surveyed, available, applicable, analyzed.
< = Not detected at or above specifed laboratory reporting limit.

a = MTBE confirmation analyzed by EPA Method 8260
b = Hydrocarbon pattern is present in the requested fuel quantitation range 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 Gasoline Range Organics
e = TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on 2003 samlping event (03/20/03)
f = Top of casing 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 = Top of casing was found shattered on December 12, 2002. Top of Casing (TOC) unknown.

Notes:

The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. Total petroleum hydrocarbons as gasoline (TPHg) has been changed to gasoline range organics (GRO). The resulting data may be impacted by the potential of non-TPHg 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.

Table 2

Fuel Additives Analytical Data

ARCO Station #4494

566 Hegenberger Rd., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Comments
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**	
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**	
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**	
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**	
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**	
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

Table 2

Fuel Additives Analytical Data

ARCO Station #4494

566 Hegenberger Rd., Oakland, CA

Well Number	Date Sampled	Ethanol (µg/L)	TBA (µg/L)	MtBE (µg/L)	DIPE (µg/L)	EtBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	Comments
MW-7	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**	
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**	

Table 2

Fuel Additives Analytical Data

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

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

a = The continuing calibration verification was outside of client contractual acceptance limits. However, it was within method acceptance limits and should be useful for its intended purpose.

Table 3

Groundwater Gradient Data

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

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
6/20/2000	North-Northeast	0.015
9/28/2000	North	0.018
12/17/2000	North-Northwest	0.013
3/28/2001	Northwest	0.011
6/21/2001	North	0.017
9/23/2001	North	0.02
12/31/2001	North-Northwest	0.023
3/14/2002	North-Northwest	0.017
4/14/2002	Northwest	0.007
8/8/2002	North-Northwest	0.022
12/12/2002	North-Northwest	0.017
3/20/2003	North-Northwest	0.016
6/23/2003	Northwest	0.014
9/22/2003	Northwest	0.017
12/3/2003	Northwest	0.013
3/18/2004	North-Northwest	0.011
5/25/2004	North-Northwest	0.011
9/22/2004	**North-Northwest**	**0.017**

Note:
The data within this table collected prior to August 2002 was provided to URS by RM and their previous consultants. URS has not verified the accuracy of this information.

ATTACHMENT A

FIELD PROCEDURES AND FIELD DATA SHEETS

FIELD PROCEDURES

Sampling Procedures

The sampling procedure for each well consists first of measuring the water level and depth to bottom, and checking for the presence of free phase petroleum product (free product), using either an electronic indicator and a clear Teflon™ bailer or an oil-water interface probe. Wells not containing free product are purged approximately three casing volumes of water (or until dewatered) using a centrifugal pump, gas displacement pump, or bailer. Equipment and purging method used for the current sampling event is noted on the attached field data sheets. During purging, temperature, pH, and electrical conductivity are monitored to document that these parameters are stable prior to collecting samples. After purging, water levels are allowed to partially (approximately 80%) recover. Groundwater samples (both purge and no purge) are collected using a Teflon bailer, placed into appropriate Environmental Protection Agency- (EPA) approved containers, labeled, logged onto chain-of-custody records, and transported on ice to a California State-certified laboratory. Wells with free product are not sampled and free product is removed according to California Code of Regulation, Title 23, Div. 3, Chap. 16, Section 2655, UST Regulations.

WELL GAUGING DATA

Project # 040922-MN2 Date 9/22/04 Client ARCO 4494

Site 5611 HEGENBERGER RD., OAKLAND

Well ID	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	
MW-1	4					6.78	23.09		
MW-3	4					9.44	17.95		NPE 7'
MW-4	4					8.62	16.61		NPE 7'
MW-5	2					6.90	17.00		
MW-6	2					6.43	18.10		
MW-7	4					8.90	13.48		
RW-1	2					8.42	11.78	TOC	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040422-MW2	Station # 4494
Sampler: MCM	Date: 9/22/04
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 23.09	Depth to Water: 6.78
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

10.5 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 31.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1357	72.4	7.14	12.23	10.5	clear
1359	72.9	7.12	13.72	21.0	clear
well	dewatered		—		DTW = 20.67
1405	73.1		14.76	—	clear

Did well dewater? (Yes) No		Gallons actually evacuated:	21.0
Sampling Time: 1405		Sampling Date:	9/22/04
Sample I.D.: MW-1		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other:	oxys
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	3.2 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040922-MW2	Station # 4494
Sampler: MON	Date: 9/22/04
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 16.61	Depth to Water: 8.62
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

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

Top of Screen: 7'

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1 Case Volume (Gals.)	Specified Volumes	Calculated Volume
No	Purge Sample	____ Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1210	71.9	7.19	1187	—	clear

Did well dewater? Yes (No)		Gallons actually evacuated: —	
Sampling Time: 1210		Sampling Date: 9/22/04	
Sample I.D.: MW-4		Laboratory: Pace (Sequoia) Other____	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: Oxy's	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge: 3.7 mg/L	
O.R.P. (if req'd):	Pre-purge: ____ mV	Post-purge: ____ mV	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040922-MN2	Station # 4494
Sampler: MON	Date: 9/22/04
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 17.00	Depth to Water: 6.90
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1317	73.9	7.25	11.51	1.6	clear, strong sulfur odor
1319	72.4	7.17	12.47	3.2	clear, sulfur odor
1321	78.2	7.17	11.71	4.8	clear, sulfur odor

Did well dewater? Yes (No)		Gallons actually evacuated:	4.5
Sampling Time: 1326		Sampling Date:	9/22/04
Sample I.D.: MW-5		Laboratory: Pace (Sequoia) Other	_____
Analyzed for: (GRO) ~~BTEX~~ MTBE DRO		Other:	oxy's
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	1.0 mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040922-MW2	Station # 4494
Sampler: MW	Date: 9/22/04
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 18.10	Depth to Water: 6.43
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Other: _____

Top of Screen: _____

If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

1.9 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 5.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or (µS))	Gals. Removed	Observations
1243	73.0	7.11	5759	1.9	Light brown, cloudy
1246	72.9	7.00	5834	3.8	Light brown, cloudy
1250	73.0	7.01	5807	5.7	Light brown, cloudy

Did well dewater? Yes (No)		Gallons actually evacuated: 5.7	
Sampling Time: 1255		Sampling Date: 9/22/04	
Sample I.D.: MW-6		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: 6 oxys	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge: 1.3 mg/L	
O.R.P. (if req'd):	Pre-purge: ____ mV	Post-purge: ____ mV	

ARCO / BP WELL MONITORING DATA SHEET

BTS #: 040922-MW2	Station # 4494
Sampler: MON	Date: 9/22/04
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 17.48	Depth to Water: 8.90
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / (Electric Submersible) / Extraction Pump / Other: _____

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

3.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 9.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1337	75.1	7.23	6515	3.0	clear, rust color (orange)
1338	73.0	7.21	10.76mS	6.0	clear, light rust color
1339	72.9	7.27	9501	9.0	Slightly cloudy, rust color

Did well dewater? Yes (No)		Gallons actually evacuated:	9.0
Sampling Time: 1344		Sampling Date: 9/22/04	
Sample I.D.: MW-7		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: OXYS	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: .9 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

ARCO / BP WELL MONITORING DATA SHEET

BTS #: ~~070522~~ 070522-MW2	Station # 4494
Sampler: MOJ	Date: 9/22/04
Well I.D.: RW-1	Well Diameter: ② 3 4 6 8 ___
Total Well Depth: 11.48	Depth to Water: 8.42
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Extraction Pump / Other: _____

Sampling Method: Bailer / Disposable Bailer / Extraction Port / Other: _____

Top of Screen: _____ If well is listed as a no-purge, confirm that water level is below the top of screen. Otherwise, the well must be purged.

.5	X	3	=	1.5 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Conductivity (mS or µS)	Gals. Removed	Observations
1208	73.5	6.93	16.46	.5	odor, clear
1301	72.0	6.85	26.39	1.0	odor, clear
1303	73.6	6.90	30.04	1.5	odor, clear

Did well dewater? Yes (No)		Gallons actually evacuated: 1.5	
Sampling Time: 1308		Sampling Date: 9/22/04	
Sample I.D.: RW-1		Laboratory: Pace (Sequoia) Other_____	
Analyzed for: (GRO) (BTEX) MTBE DRO		Other: 0 & G	
D.O. (if req'd): Pre-purge:	mg/L	Post-purge: 1.0	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

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 PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY DILLARD ENVIRONMENTAL TO THE ALTAMONT LANDFILL AND RESOURCE RECOVERY FACILITY IN LIVERMORE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Avenue, San Jose, CA 95112 (phone [408] 573-0555). Blaine Tech Services, Inc. is authorized by BP GEM OIL COMPANY to recover, collect, apportion into loads the Non-Hazardous Well Purgewater that is drawn from wells at the BP GEM Oil Company facility indicated below and deliver that purgewater to BTS. 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 #

5656 Hegenberger Rd. Oakland

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

~~58~~ 43

added equip. rinse water 10

any other adjustments —

TOTAL GALS. RECOVERED ~~58~~ 53

loaded onto BTS vehicle # 50

BTS event # 040922-MW2

time 1000

date 9/22/04

signature

* *

REC'D AT

time

date

___/___/___

unloaded by signature

ATTACHMENT B

LABORATORY PROCEDURES, CERTIFIED ANALYTICAL REPORTS, AND CHAIN-OF-CUSTODY RECORDS

LABORATORY PROCEDURES

Laboratory Procedures

The groundwater samples were analyzed for the presence of the chemicals noted on the chain-of- custody using standard EPA Methods. The methods of analysis for the groundwater samples are documented in the certified analytical report. The certified analytical reports and chain-of-custody record are presented in this attachment. The analytical data provided by the laboratory approved by RM have been reviewed and verified by that laboratory.

ATTACHMENT C
HISTORICAL GROUNDWATER DATA

Sequoia
Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

7 October, 2004

Scott Robinson
URS Corporation [Arco]
1333 Broadway, Suite 800
Oakland, CA 94612

RE: ARCO #4494, Oakland, CA
Work Order: MNI0712

Enclosed are the results of analyses for samples received by the laboratory on 09/23/04 15:43. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa Race
Senior Project Manager

CA ELAP Certificate #1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #4494, Oakland, CA	MNI0712
1333 Broadway, Suite 800	Project Number: INTRIM-50443	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/07/04 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MNI0712-01	Water	09/22/04 14:05	09/23/04 15:43
MW-3	MNI0712-02	Water	09/22/04 12:25	09/23/04 15:43
MW-4	MNI0712-03	Water	09/22/04 12:10	09/23/04 15:43
MW-5	MNI0712-04	Water	09/22/04 13:26	09/23/04 15:43
MW-6	MNI0712-05	Water	09/22/04 12:55	09/23/04 15:43
MW-7	MNI0712-06	Water	09/22/04 13:44	09/23/04 15:43
RW-1	MNI0712-07	Water	09/22/04 13:03	09/23/04 15:43
TB-4494-09222004	MNI0712-08	Water	09/22/04 13:03	09/23/04 15:43

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.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #4494, Oakland, CA	MNI0712
1333 Broadway, Suite 800	Project Number: INTRIM-50443	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/07/04 16:11

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MNI0712-01) Water Sampled: 09/22/04 14:05 Received: 09/23/04 15:43									
tert-Amyl methyl ether	ND	1.0	ug/l	2	4J05002	10/05/04	10/06/04	EPA 8260B	
Benzene	**1.5**	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	200	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	**140**	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**150**	100	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*78-129*		"	"	"	"	
MW-3 (MNI0712-02) Water Sampled: 09/22/04 12:25 Received: 09/23/04 15:43									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4J05002	10/05/04	10/05/04	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	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.7**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*78-129*		"	"	"	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #4494, Oakland, CA	MNI0712
1333 Broadway, Suite 800	Project Number: INTRIM-50443	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/07/04 16:11

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4 (MNI0712-03) Water Sampled: 09/22/04 12:10 Received: 09/23/04 15:43									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4J05002	10/05/04	10/05/04	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	100	"	"	"	"	"	"	
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	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99 %*		*78-129*	"	"	"	"	
MW-5 (MNI0712-04) Water Sampled: 09/22/04 13:26 Received: 09/23/04 15:43									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4J05002	10/05/04	10/05/04	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	100	"	"	"	"	"	"	
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	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*78-129*	"	"	"	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #4494, Oakland, CA	MNI0712
1333 Broadway, Suite 800	Project Number: INTRIM-50443	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/07/04 16:11

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-6 (MNI0712-05) Water Sampled: 09/22/04 12:55 Received: 09/23/04 15:43									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4J05002	10/05/04	10/05/04	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	100	"	"	"	"	"	"	
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	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*78-129*		"	"	"	
MW-7 (MNI0712-06) Water Sampled: 09/22/04 13:44 Received: 09/23/04 15:43									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4J05002	10/05/04	10/05/04	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	100	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.3**	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*78-129*		"	"	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #4494, Oakland, CA	MNI0712
1333 Broadway, Suite 800	Project Number: INTRIM-50443	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/07/04 16:11

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 (MNI0712-07) Water Sampled: 09/22/04 13:03 Received: 09/23/04 15:43									
tert-Amyl methyl ether	ND	0.50	ug/l	1	4J05002	10/05/04	10/06/04	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	100	"	"	"	"	"	"	
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	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*78-129*		"	"	"	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #4494, Oakland, CA	MNI0712
1333 Broadway, Suite 800	Project Number: INTRIM-50443	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/07/04 16:11

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J05002 - EPA 5030B P/T										
Blank (4J05002-BLK1)				Prepared & Analyzed: 10/05/04						
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	100	"							
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	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-Dichloroethane-d4	*4.95*		"	*5.00*		*99*	*78-129*			
Laboratory Control Sample (4J05002-BS1)				Prepared & Analyzed: 10/05/04						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0		101	82-140			
Benzene	10.6	0.50	"	10.0		106	69-124			
tert-Butyl alcohol	49.8	20	"	50.0		100	56-131			
Di-isopropyl ether	10.5	0.50	"	10.0		105	76-130			
1,2-Dibromoethane (EDB)	10.3	0.50	"	10.0		103	77-132			
1,2-Dichloroethane	11.0	0.50	"	10.0		110	77-136			
Ethanol	197	100	"	200		98	31-143			
Ethyl tert-butyl ether	10.2	0.50	"	10.0		102	81-121			
Ethylbenzene	10.1	0.50	"	10.0		101	84-132			
Methyl tert-butyl ether	10.3	0.50	"	10.0		103	63-137			
Toluene	9.61	0.50	"	10.0		96	78-129			
Xylenes (total)	30.1	0.50	"	30.0		100	83-137			
Surrogate: 1,2-Dichloroethane-d4	*5.00*		"	*5.00*		*100*	*78-129*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #4494, Oakland, CA	MNI0712
1333 Broadway, Suite 800	Project Number: INTRIM-50443	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/07/04 16:11

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J05002 - EPA 5030B P/T										
Laboratory Control Sample (4J05002-BS2)				Prepared & Analyzed: 10/05/04						
Benzene	5.40	0.50	ug/l	6.40		84	69-124			
Ethylbenzene	7.61	0.50	"	7.52		101	84-132			
Methyl tert-butyl ether	8.93	0.50	"	9.92		90	63-137			
Toluene	32.8	0.50	"	31.9		103	78-129			
Xylenes (total)	38.1	0.50	"	36.6		104	83-137			
Gasoline Range Organics (C4-C12)	476	50	"	440		108	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.05*		*"*	*5.00*		*101*	*78-129*			
Laboratory Control Sample Dup (4J05002-BSD1)				Prepared & Analyzed: 10/05/04						
tert-Amyl methyl ether	10.2	0.50	ug/l	10.0		102	82-140	1	20	
Benzene	10.7	0.50	"	10.0		107	69-124	0.9	20	
tert-Butyl alcohol	52.4	20	"	50.0		105	56-131	5	20	
Di-isopropyl ether	10.4	0.50	"	10.0		104	76-130	1	20	
1,2-Dibromoethane (EDB)	10.6	0.50	"	10.0		106	77-132	3	20	
1,2-Dichloroethane	10.8	0.50	"	10.0		108	77-136	2	20	
Ethanol	212	100	"	200		106	31-143	7	20	
Ethyl tert-butyl ether	10.6	0.50	"	10.0		106	81-121	4	20	
Ethylbenzene	10.2	0.50	"	10.0		102	84-132	1	20	
Methyl tert-butyl ether	11.2	0.50	"	10.0		112	63-137	8	20	
Toluene	9.62	0.50	"	10.0		96	78-129	0.1	20	
Xylenes (total)	29.9	0.50	"	30.0		100	83-137	0.7	20	
Surrogate: 1,2-Dichloroethane-d4	*5.11*		*"*	*5.00*		*102*	*78-129*			
Matrix Spike (4J05002-MS1)	**Source: MNI0712-01**			Prepared & Analyzed: 10/05/04						
Benzene	11.6	1.0	ug/l	12.8	1.5	79	69-124			
Ethylbenzene	15.8	1.0	"	15.0	0.18	104	84-132			
Methyl tert-butyl ether	170	1.0	"	19.8	140	152	63-137			BB,LM
Toluene	61.4	1.0	"	63.8	0.20	96	78-129			
Xylenes (total)	74.9	1.0	"	73.1	ND	102	83-137			
Gasoline Range Organics (C4-C12)	928	100	"	880	150	88	70-124			
Surrogate: 1,2-Dichloroethane-d4	*5.13*		*"*	*5.00*		*103*	*78-129*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.scquoialabs.com

URS Corporation [Arco]	Project: ARCO #4494, Oakland, CA	MNI0712
1333 Broadway, Suite 800	Project Number: INTRIM-50443	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/07/04 16:11

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J05002 - EPA 5030B P/T										
Matrix Spike Dup (4J05002-MSD1)	**Source: MNI0712-01**			Prepared & Analyzed: 10/05/04						
Benzene	10.9	1.0	ug/l	12.8	1.5	73	69-124	6	20	
Ethylbenzene	16.0	1.0	"	15.0	0.18	105	84-132	1	20	
Methyl tert-butyl ether	167	1.0	"	19.8	140	136	63-137	2	20	
Toluene	67.0	1.0	"	63.8	0.20	105	78-129	9	20	
Xylenes (total)	80.1	1.0	"	73.1	ND	110	83-137	7	20	
Gasoline Range Organics (C4-C12)	1010	100	"	880	150	98	70-124	8	20	
Surrogate: 1,2-Dichloroethane-d4	*5.07*		"	*5.00*		*101*	*78-129*			

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequoialabs.com

URS Corporation [Arco]	Project: ARCO #4494, Oakland, CA	MNI0712
1333 Broadway, Suite 800	Project Number: INTRIM-50443	**Reported:**
Oakland CA, 94612	Project Manager: Scott Robinson	10/07/04 16:11

Notes and Definitions

BB,LM	Sample > 4x spike concentration. MS and/or MSD above acceptance limits. See Blank Spike(LCS).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Chain of Custody Record

Project Name 4494 GWM
BP BU/GEM CO Portfolio Retail MN10712
BP Laboratory Contract Number: Atlantic Richfield Company
Date: 9/22/04 Requested Due Date (mm/dd/yy) 14 day TAT

On-site Time:	Temp:
Off- site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Send To:	BP/GEM Facility No.: ARCO 4494	Consultant/Contractor: URS
Lab Name: SEQUOIA	BP/GEM Facility Address: 566 HEGENBERGER, OAKLAND, CA	Address: 1333 Broadway, Suite 800
Lab Address: 885 Jarvis Dr.	Site ID No. ARCO 4494	Oakland, CA 94612
Morgan Hill, CA 95037	Site Lat/Long:	e-mail EDD: donna_cosper@URSCorp.com
	California Global ID #: T0600100104	Consultant/Contractor Project No.: J5-00004494.01 00427
Lab PM Lisa Race	BP/GEM PM Contact: PAUL SUPPLE	Consultant Tele/Fax: 510-893-3600/510-874-3268
Tele/Fax: 408-776-9600 / 408-782-6308	Address: P.O. Box 6549	Consultant/Contractor PM: Scott Robinson
Report Type & QC Level: 1 Send EDF Reports	Moraga, CA 94570	Invoice to: Consultant/Contractor or BP/GEM (Circle one)
BP/GEM Account No.:	Tele/Fax: 925-299-8891/925-299-8872	BP/GEM Work Release No: INTRIM -50443

Lab Bottle Order No:

Item No.	Sample Description	Time	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Sediments	Matrix: Air	Laboratory No. MN10712	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: GRO / BTEX (8015/8260)	Requested Analysis: DRO w/SGC (8015)	Requested Analysis: MTBE (8021)	Requested Analysis: MTBE (8260)	Requested Analysis: MTBE, TAME, ETBE DIPE, TBA (8260)	Requested Analysis: 1,2-DCA & EDB (8260)	Requested Analysis: Ethanol (8260)	Sample Point Lat/Long and Comments
1	MW-1	1105		X			-1	3				X	X				X	X	X	
2	MW-3	1225					-2						X				X	X	X	
3	MW-4	1210					-3						X				X	X	X	
4	MW-5	1126					-4						X				X	X	X	
5	MW-6	1255					-5						X				X	X	X	
6	MW-7	1344					-6						X				X	X	X	
7	RW-1	1303					-7						X				X	X	X	
8	TB-4494-092204	—		X			-8	2				X								4N HOLD
9																				
10																				

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Mukeet Nwakata						
Sampler's Company: Blaine Tech Services		9/23/04	1507		9/23/04	1507
Shipment Date:		9/23/04	1545	TD	9/23/04	1543
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Address Invoice to BP/GEM but send to URS for approval

Seals In Place Yes X No ___ Temperature Blank Yes X No ___ Cooler Temperature on Receipt ___ °F/C Trip Blank Yes X No ___

Distribution: White Copy - Laboratory / Yellow Copy - BP/GEM / Pink Copy - Consultant/Contractor

BP COC Rev. 1 2/5/02

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: ARCO 4494
REC. BY (PRINT): TD
WORKORDER: MN10712

DATE REC'D AT LAB: 9/23/04
TIME REC'D AT LAB: 1543
DATE LOGGED IN: 9/24/04

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

(For clients requiring preservation checks at receipt, document here ↓)

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / (Absent) Intact / Broken*			MW-1	VOA (3)	HCl	—	W	9/23/04	
2. Chain-of-Custody (Present) / Absent*			-3						
3. Traffic Reports or Packing List: Present / (Absent)			-4						
4. Airbill: Airbill / Sticker Present / (Absent)			-5						
5. Airbill #:			-6						
6. Sample Labels: (Present) / Absent			-7						
7. Sample IDs: (Listed) / Not Listed on Chain-of-Custody			RW-1						
8. Sample Condition: (Intact) / Broken* / Leaking*			TB-4494-092304	(2)					
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. Temp Rec. at Lab: 4.6 Is temp 4 +/-2°C? (Yes) / No**									

(Acceptance range for samples requiring thermal pres.)

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

TD 9/23/04

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

ATTACHMENT C
HISTORICAL GROUNDWATER DATA

ATTACHMENT D

ERROR CHECK REPORTS AND EDF/GEOWELL SUBMITTAL CONFIRMATIONS

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL GEO_WELL CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	10/19/2004 5:12:17 PM

Processing is complete. No errors were found!
You may now proceed to the upload page.

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**Third Quarter 2004 QMR Site #4494**
Submittal Date/Time:	**10/19/2004 5:12:32 PM**
Confirmation Number:	**9392246842**

Back to Main Menu

Logged in as URSCORP-OAKLAND (CONTRACTOR)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

Your EDF file has been succcessfully uploaded!

Confirmation Number: 5651860237
Date/Time of Submittal: 10/19/2004 5:08:00 PM
Facility Global ID: T0600100104
Facility Name: ARCO # 04494
Submittal Title: Third Quarter 2004 QMR Site #4494
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

ARCO # 04494 566 HEGENBERGER RD OAKLAND, CA 94621	**Regional Board - Case #: 01-0112** SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)** **Local Agency (lead agency) - Case #: 3854** ALAMEDA COUNTY LOP - **(UNK)**

CONF #	TITLE	QUARTER
5651860237	Third Quarter 2004 QMR Site #4494	Q3 2004

SUBMITTED BY	SUBMIT DATE	STATUS
Srijesh Thapa	10/19/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	7
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	10/19/2004 5:07:18 PM
GLOBAL ID:	T0600100104
FILE UPLOADED:	ARCO#4494-EDF-MNI0712.zip

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

When you complete the submittal process, you will be given a confirmation number for your submittal.

Click here to view the detections report for this upload.

ARCO # 04494
566 HEGENBERGER RD
OAKLAND, CA 94621

Regional Board - Case #: 01-0112
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**

Local Agency (lead agency) - Case #: 3854
ALAMEDA COUNTY LOP - **(UNK)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	7
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y

- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	URS Corporation-Oakland Office
USER NAME:	URSCORP-OAKLAND
DATE CHECKED:	10/19/2004 5:07:18 PM
GLOBAL ID:	T0600100104
FILE UPLOADED:	ARCO#4494-EDF-MNI0712.zip

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

When you complete the submittal process, you will be given a confirmation number for your submittal.

Click here to view the detections report for this upload.

ARCO # 04494
566 HEGENBERGER RD
OAKLAND, CA 94621

Regional Board - Case #: 01-0112
SAN FRANCISCO BAY RWQCB (REGION 2) - **(BG)**

Local Agency (lead agency) - Case #: 3854
ALAMEDA COUNTY LOP - **(UNK)**

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	7
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	1
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260FA
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- 8260FA REQUIRES DBFM TO BE TESTED	
- 8260FA REQUIRES BR4FBZ TO BE TESTED	
- 8260FA REQUIRES BZMED8 TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y

- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as URSCORP-OAKLAND (CONTRACTOR) CONTACT SITE ADMINISTRATOR.

ATTACHMENT E

JOINT MONITORING DATA

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)	8/26/1998	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)	8/26/1998	<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	3/29/1999	<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	6/22/1999	20,000	<200	<200	<200	<200	150,000	NA	NA	NA	NA	NA	NA	10.54	9.05	1.49	1.7
MW-1	9/30/1999	<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	12/2/1999	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	3/2/2000	<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	6/8/2000	<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	9/5/2000	<10,000	411	<100	<100	<100	71,100	115,000e	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	3/9/2001	<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	6/27/2001	<5,000	<50	<50	<50	<50	NA	19,000	NA	NA	NA	NA	NA	10.54	8.46	2.08	NA
MW-1	9/19/2001	<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	3/14/2002	<20,000	<200	<200	<200	<200	NA	60,000	NA	NA	NA	NA	NA	10.54	7.68	2.86	NA
MW-1	6/25/2002	<5,000	<50	<50	<50	<50	NA	34,000	NA	NA	NA	NA	NA	10.54	8.40	2.14	NA
MW-1	9/19/2002	<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	1/2/2003	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	6/23/2003	<10,000	<100	<100	<100	<200	NA	35,000	NA	NA	NA	NA	NA	10.52	9.02	1.50	NA
MW-1	9/22/2003	<5,000	<50	<50	<50	<100	NA	15,000	NA	NA	NA	NA	NA	10.52	15.74	-5.22	NA
MW-1	12/3/2003	<1,300	<13	<13	<13	<25	NA	3,600	NA	NA	NA	NA	NA	10.52	18.35 h	NA	NA
MW-1	3/18/2004	<250	<2.5	<2.5	<2.5	<5.0	NA	570	NA	NA	NA	NA	NA	10.52	7.32	3.20	NA
MW-1	5/25/2004	<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	**9/22/2004**	**<2,000**	**<20**	**<20**	**<20**	**<40**	**NA**	**170**	**<80**	**<80**	**<80**	**20,000**	**<2,000**	**10.52**	**6.55**	**3.97**	**NA**
MW-2 (a)	8/26/1998	<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)	8/26/1998	<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)	8/26/1998	<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	3/29/1999	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	6/22/1999	<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	9/30/1999	<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

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	3/2/2000	<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	6/8/2000	<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	9/5/2000	<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	3/9/2001	<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	6/27/2001	<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	9/19/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	330	NA	NA	NA	NA	NA	9.21	7.17	2.04	NA
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	3/14/2002	<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	6/25/2002	<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	9/19/2002	<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	6/23/2003	<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	9/22/2003	<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	12/3/2003	<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	3/18/2004	<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	5/25/2004	<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	**9/22/2004**	**<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-3 (a)	8/26/1998	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)	8/26/1998	<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	3/29/1999	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	6/22/1999	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
MW-3	9/30/1999	4,360	121	122	36.1	847	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	12/2/1999	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	3/2/2000	65,300	5,210	10,300	2,650	15,100	56,800	59,800e	NA	NA	NA	NA	NA	9.45	5.87	3.58	d
MW-3	6/8/2000	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	9/5/2000	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	11,800f	NA	NA	NA	NA	NA	9.45	6.27	3.18	NA
MW-3	3/9/2001	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	6/27/2001	9,100	330	79	140	1,600	NA	31,000	NA	NA	NA	NA	NA	9.45	6.88	2.57	NA
MW-3	9/19/2001	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	3/14/2002	<2,500	<25	<25	<25	<25	NA	12,000	NA	NA	NA	NA	NA	9.45	6.25	3.20	NA
MW-3	6/25/2002	<10,000	160	<100	<100	<100	NA	42,000	NA	NA	NA	NA	NA	9.45	6.65	2.80	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-3	9/19/2002	<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	1/2/2003	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	6/23/2003	<5,000	<50	<50	<50	<100	NA	8,100	NA	NA	NA	NA	NA	9.45	13.80	-4.35	NA
MW-3	9/22/2003	<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	12/3/2003	<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	3/18/2004	<1,000	14	<10	<10	<20	NA	2,500	NA	NA	NA	NA	NA	9.45	6.07	3.38	NA
MW-3	5/25/2004	3,900	<10	66	23	470	NA	140	NA	NA	NA	NA	NA	9.45	14.63	-5.18	NA
MW-3	**9/22/2004**	**<10,000**	**830**	**<100**	**290**	**450**	**NA**	**28,000**	**<400**	**<400**	**<400**	**13,000**	**<10,000**	**9.45**	**4.86**	**4.59**	**NA**
MW-4	9/25/2000	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	3/9/2001	<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	6/27/2001	<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	9/19/2001	<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	3/14/2002	<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	6/25/2002	<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	9/19/2002	<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	6/23/2003	<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	9/22/2003	<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	12/3/2003	<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	3/18/2004	<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	5/25/2004	<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	**9/22/2004**	**<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-5	6/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.36	NA	NA
MW-5	6/25/2002	<10,000	<100	<100	<100	<100	NA	60,000	NA	NA	NA	NA	NA	NA	8.30	NA	NA
MW-5	9/19/2002	<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	6/23/2003	<1,000	<10	<10	<10	<20	NA	1,700	NA	NA	NA	NA	NA	10.03	16.70	-6.67	NA
MW-5	9/22/2003	<2,500	<25	<25	<25	<50	NA	4,400	NA	NA	NA	NA	NA	10.03	16.70	-6.67	NA
MW-5	12/3/2003	<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	3/18/2004	<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	5/25/2004	<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	**9/22/2004**	**<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**

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)
C-1	9/19/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	1.44	NA	NA
C-1	3/29/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	2.59	NA	NA
C-1	6/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	3.72	NA	NA
C-1	9/19/2002	<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	9/19/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	3/29/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	6/25/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-1	9/19/2002	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	3/20/2003	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	9/19/2001	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	3/29/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	6/25/2002	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SD-2	9/19/2002	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	3/20/2003	Dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-A	6/22/1999	318	<0.50	<0.50	0.590	1.48	4,470	NA						NA	4.71	NA	1.1
BW-A	6/25/2002	<500	<5.0	<5.0	<5.0	18	NA	3,100	NA	NA	NA	NA	NA	NA	5.14	NA	NA
BW-A	9/19/2002	<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
BW-A	6/23/2003	<1,000	<10	<10	<10	<20	NA	<100	NA	NA	NA	NA	NA	NA	10.27	NA	NA
BW-B	6/22/1999	<250	<2.5	<2.5	<2.5	<2.5	8,600	NA						NA	5.90	NA	1.2
BW-B	6/27/2001	<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	3/14/2002	<2,000	<20	<20	<20	<20	NA	9,400	NA	NA	NA	NA	NA	NA	5.24	NA	NA
BW-B	6/25/2002	<2,000	<20	<20	<20	<20	NA	6,600	NA	NA	NA	NA	NA	NA	6.19	NA	NA
BW-B	9/19/2002	<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	6/23/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	43	NA	NA	NA	NA	NA	NA	9.95	NA	NA
BW-C	6/22/1999	<50	<0.50	<0.50	<0.50	0.98	11,000	NA						NA	5.91	NA	1.6

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-C	6/25/2002	<5,000	<50	<50	<50	<50	NA	20,000	NA	NA	NA	NA	NA	NA	6.49	NA	NA
BW-C	9/19/2002	<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	6/23/2003	<1,000	<10	<10	<10	<20	NA	170	NA	NA	NA	NA	NA	NA	11.48	NA	NA
BW-D	6/22/1999	<50.0	<0.500	<0.500	<0.500	<0.500	2,190	NA						NA	4.78	NA	1.4
BW-D	6/25/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BW-D	7/2/2002	<1,000	23	<10	<10	<10	NA	<100	NA	NA	NA	NA	NA	NA	6.36	NA	NA
BW-D	9/19/2002	<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
BW-D	6/23/2003	<1,000	<10	<10	<10	<20	NA	<100	NA	NA	NA	NA	NA	NA	10.25	NA	NA
BW-D	9/22/2003	<100	<1.0	<1.0	<1.0	<2.0	NA	120	NA	NA	NA	NA	NA	NA	10.18	NA	NA
BW-D	12/3/2003	<1,300	110	<13	<13	29	NA	560	NA	NA	NA	NA	NA	NA	10.20	NA	NA
BW-D	3/18/2004	<50	0.67	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	NA	NA	NA	3.42	NA	NA
BW-D	5/25/2004	<50	1.4	0.96	<0.50	<1.0	NA	1.7	NA	NA	NA	NA	NA	NA	8.83	NA	NA
BW-D	**9/22/2004**	**<100**	**6.9**	**<1.0**	**2.1**	**4.2**	**NA**	**210**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2.75**	**NA**	**NA**

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

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)

MSL = Mean sea level
ft. = Feet
<n = Below detection limit
D = Duplicate sample
NA = Not applicable

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.
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.

WELL GAUGING DATA

Project # 040922 - MN3 Date 9/22/04 Client Shell

Site 540 Hegenberger Rd., Oakland

Well ID	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~~	
MW-1	2					6.55	22.46		
MW-2	2					7.08	19.92		
MW-3	2					4.96	18.48		
MW-4	4					7.72	18.56		
MW-5	4					5.91	18.60		
BW-D	12					2.75	12.26	TOB	

SEVERN TRENT STL

Submission#: 2004-09-0726

Blaine Tech Services, Inc.

October 07, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 040923-MN3
Project: 98995752
Site: 540 Hegenberger Road, Oakland

Dear Mr.Gearhart,

Attached is our report for your samples received on 09/23/2004 14:41
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 11/07/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions,

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

Sincerely,

Melissa Brewer

Melissa Brewer
Project Manager

SEVERN TRENT STL

Submission: 2004-09-0726

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	09/22/2004 17:31	Water	1
MW-2	09/22/2004 17:04	Water	2
MW-3	09/22/2004 17:49	Water	3
MW-4	09/22/2004 15:25	Water	4
MW-5	09/22/2004 18:01	Water	5
BW-D	09/22/2004 16:25	Water	6

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-1	Lab ID:	2004-09-0726 - 1
Sampled:	09/22/2004 17:31	Extracted:	10/4/2004 20:00
Matrix:	Water	QC Batch#:	2004/10/04-2A.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	2000	ug/L	40.00	10/04/2004 20:00	
Benzene	ND	20	ug/L	40.00	10/04/2004 20:00	
Toluene	ND	20	ug/L	40.00	10/04/2004 20:00	
Ethylbenzene	ND	20	ug/L	40.00	10/04/2004 20:00	
Total xylenes	ND	40	ug/L	40.00	10/04/2004 20:00	
tert-Butyl alcohol (TBA)	20000	200	ug/L	40.00	10/04/2004 20:00	
Methyl tert-butyl ether (MTBE)	170	20	ug/L	40.00	10/04/2004 20:00	
Di-isopropyl Ether (DIPE)	ND	80	ug/L	40.00	10/04/2004 20:00	
Ethyl tert-butyl ether (ETBE)	ND	80	ug/L	40.00	10/04/2004 20:00	
tert-Amyl methyl ether (TAME)	ND	80	ug/L	40.00	10/04/2004 20:00	
Ethanol	ND	2000	ug/L	40.00	10/04/2004 20:00	
Surrogate(s)						
1,2-Dichloroethane-d4	105.9	76-130	%	40.00	10/04/2004 20:00	
Toluene-d8	100.0	78-115	%	40.00	10/04/2004 20:00	

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-2	Lab ID:	2004-09-0726 - 2
Sampled:	09/22/2004 17:04	Extracted:	10/4/2004 20:23
Matrix:	Water	QC Batch#:	2004/10/04-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/04/2004 20:23	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 20:23	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 20:23	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 20:23	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 20:23	
tert-Butyl alcohol (TBA)	100	5.0	ug/L	1.00	10/04/2004 20:23	
Methyl tert-butyl ether (MTBE)	24	0.50	ug/L	1.00	10/04/2004 20:23	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/04/2004 20:23	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/04/2004 20:23	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/04/2004 20:23	
Ethanol	ND	50	ug/L	1.00	10/04/2004 20:23	
Surrogate(s)						
1,2-Dichloroethane-d4	106.7	76-130	%	1.00	10/04/2004 20:23	
Toluene-d8	98.5	78-115	%	1.00	10/04/2004 20:23	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2004-09-0726 - 3
Sampled:	09/22/2004 17:49	Extracted:	10/4/2004 20:45
Matrix:	Water	QC Batch#:	2004/10/04-2A.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	10000	ug/L	200.00	10/04/2004 20:45	
Benzene	830	100	ug/L	200.00	10/04/2004 20:45	
Toluene	ND	100	ug/L	200.00	10/04/2004 20:45	
Ethylbenzene	290	100	ug/L	200.00	10/04/2004 20:45	
Total xylenes	450	200	ug/L	200.00	10/04/2004 20:45	
tert-Butyl alcohol (TBA)	13000	1000	ug/L	200.00	10/04/2004 20:45	
Methyl tert-butyl ether (MTBE)	28000	100	ug/L	200.00	10/04/2004 20:45	
Di-isopropyl Ether (DIPE)	ND	400	ug/L	200.00	10/04/2004 20:45	
Ethyl tert-butyl ether (ETBE)	ND	400	ug/L	200.00	10/04/2004 20:45	
tert-Amyl methyl ether (TAME)	ND	400	ug/L	200.00	10/04/2004 20:45	
Ethanol	ND	10000	ug/L	200.00	10/04/2004 20:45	
Surrogate(s)						
1,2-Dichloroethane-d4	109.8	76-130	%	200.00	10/04/2004 20:45	
Toluene-d8	102.1	78-115	%	200.00	10/04/2004 20:45	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-4**	Lab ID:	2004-09-0726 - 4
Sampled:	09/22/2004 15:25	Extracted:	10/4/2004 21:07
Matrix:	Water	QC Batch#:	2004/10/04-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/04/2004 21:07	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 21:07	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 21:07	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 21:07	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 21:07	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/04/2004 21:07	
Methyl tert-butyl ether (MTBE)	20	0.50	ug/L	1.00	10/04/2004 21:07	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/04/2004 21:07	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/04/2004 21:07	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/04/2004 21:07	
Ethanol	ND	50	ug/L	1.00	10/04/2004 21:07	
Surrogate(s)						
1,2-Dichloroethane-d4	109.0	76-130	%	1.00	10/04/2004 21:07	
Toluene-d8	100.8	78-115	%	1.00	10/04/2004 21:07	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-5**	Lab ID:	2004-09-0726 - 5
Sampled:	09/22/2004 18:01	Extracted:	10/4/2004 22:14
Matrix:	Water	QC Batch#:	2004/10/04-2A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/04/2004 22:14	
Benzene	ND	0.50	ug/L	1.00	10/04/2004 22:14	
Toluene	ND	0.50	ug/L	1.00	10/04/2004 22:14	
Ethylbenzene	ND	0.50	ug/L	1.00	10/04/2004 22:14	
Total xylenes	ND	1.0	ug/L	1.00	10/04/2004 22:14	
tert-Butyl alcohol (TBA)	83	5.0	ug/L	1.00	10/04/2004 22:14	
Methyl tert-butyl ether (MTBE)	20	0.50	ug/L	1.00	10/04/2004 22:14	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/04/2004 22:14	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/04/2004 22:14	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/04/2004 22:14	
Ethanol	ND	50	ug/L	1.00	10/04/2004 22:14	
Surrogate(s)						
1,2-Dichloroethane-d4	105.3	76-130	%	1.00	10/04/2004 22:14	
Toluene-d8	99.6	78-115	%	1.00	10/04/2004 22:14	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**BW-D**	Lab ID:	2004-09-0726 - 6
Sampled:	09/22/2004 16:25	Extracted:	10/3/2004 12:48
Matrix:	Water	QC Batch#:	2004/10/03-1B.64

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	100	ug/L	2.00	10/03/2004 12:48	
Benzene	6.9	1.0	ug/L	2.00	10/03/2004 12:48	
Toluene	ND	1.0	ug/L	2.00	10/03/2004 12:48	
Ethylbenzene	2.1	1.0	ug/L	2.00	10/03/2004 12:48	
Total xylenes	4.2	2.0	ug/L	2.00	10/03/2004 12:48	
Methyl tert-butyl ether (MTBE)	210	1.0	ug/L	2.00	10/03/2004 12:48	
Surrogate(s)						
1,2-Dichloroethane-d4	99.0	76-130	%	2.00	10/03/2004 12:48	
Toluene-d8	100.2	78-115	%	2.00	10/03/2004 12:48	

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — Water — **QC Batch # 2004/10/03-1B.64**

MB: 2004/10/03-1B.64-027 — Date Extracted: 10/03/2004 10:27

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/03/2004 10:27	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/03/2004 10:27	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/03/2004 10:27	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/03/2004 10:27	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/03/2004 10:27	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/03/2004 10:27	
Benzene	ND	0.5	ug/L	10/03/2004 10:27	
Toluene	ND	0.5	ug/L	10/03/2004 10:27	
Ethylbenzene	ND	0.5	ug/L	10/03/2004 10:27	
Total xylenes	ND	1.0	ug/L	10/03/2004 10:27	
Ethanol	ND	50	ug/L	10/03/2004 10:27	
Surrogates(s)					
1,2-Dichloroethane-d4	95.8	76-130	%	10/03/2004 10:27	
Toluene-d8	101.6	78-115	%	10/03/2004 10:27	

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

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/10/04-2A.64**

MB: 2004/10/04-2A.64-047 — Date Extracted: 10/04/2004 18:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/04/2004 18:47	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/04/2004 18:47	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/04/2004 18:47	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/04/2004 18:47	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/04/2004 18:47	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/04/2004 18:47	
Benzene	ND	0.5	ug/L	10/04/2004 18:47	
Toluene	ND	0.5	ug/L	10/04/2004 18:47	
Ethylbenzene	ND	0.5	ug/L	10/04/2004 18:47	
Total xylenes	ND	1.0	ug/L	10/04/2004 18:47	
Ethanol	ND	50	ug/L	10/04/2004 18:47	
Surrogates(s)					
1,2-Dichloroethane-d4	99.6	76-130	%	10/04/2004 18:47	
Toluene-d8	98.4	78-115	%	10/04/2004 18:47	

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Water** — **QC Batch # 2004/10/03-1B.64**

LCS 2004/10/03-1B.64-042 — Extracted: 10/03/2004 — Analyzed: 10/03/2004 09:42

LCSD 2004/10/03-1B.64-005 — Extracted: 10/03/2004 — Analyzed: 10/03/2004 10:05

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.4	24.0	25	101.6	96.0	5.7	65-165	20		
Benzene	21.0	20.1	25	84.0	80.4	4.4	69-129	20		
Toluene	24.8	24.5	25	99.2	98.0	1.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	471	459	500	94.2	91.8		76-130			
Toluene-d8	498	499	500	99.6	99.8		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/10/04-2A.64**

LCS 2004/10/04-2A.64-002 Extracted: 10/04/2004 Analyzed: 10/04/2004 18:02

LCSD 2004/10/04-2A.64-025 Extracted: 10/04/2004 Analyzed: 10/04/2004 18:25

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	27.8	24.5	25	111.2	98.0	12.6	65-165	20		
Benzene	21.7	21.9	25	86.8	87.6	0.9	69-129	20		
Toluene	25.3	25.9	25	101.2	103.6	2.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	486	451	500	97.2	90.2		76-130			
Toluene-d8	516	526	500	103.2	105.2		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Matrix Spike (MS / MSD) — **Water** — **QC Batch # 2004/10/04-2A.64**

MW-4 >> MS — Lab ID: 2004-09-0726 - 004

MS: 2004/10/04-2A.64-030 — Extracted: 10/04/2004 — Analyzed: 10/04/2004 21:30 — Dilution: 1.00

MSD: 2004/10/04-2A.64-052 — Extracted: 10/04/2004 — Analyzed: 10/04/2004 21:52 — Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	48.1	47.7	19.5	25	114.4	112.8	1.4	65-165	20		
Benzene	20.9	20.8	ND	25	83.6	83.2	0.5	69-129	20		
Toluene	23.6	25.3	ND	25	94.4	101.2	7.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	562	559		500	112.4	111.8		76-130			
Toluene-d8	504	532		500	100.8	106.4		78-115			

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

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040923-MN3
98995752

Received: 09/23/2004 14:41

Site: 540 Hegenberger Road, Oakland

Legend and Notes

Analysis Flag

o

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

LAB: STL

SHELL Chain Of Custody Record

89146

Lab Identification (if necessary):
Address:
City, State, Zip:

Shell Project Manager to be Invoiced:

☑ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

2004-09-0726

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 7 5 2

SAP or CRMT NUMBER (TS/CRMT): [redacted]

DATE: 9/22/04

PAGE: 1 of 1

SAMPLING COMPANY	LOG CODE	SITE ADDRESS (Street and City)	GLOBAL ID NO.
Blaine Tech Services	BTSS	540 Hegenberger Road, Oakland	T0600102123

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

PROJECT CONTACT: Leon Gearhart

TELEPHONE: 408-573-0555 FAX: 408-573-7771 EMAIL: lgearhart@blainetech.com

EDF DELIVERABLE TO: Anni Kreml PHONE NO.: (510)420-3335 E-MAIL: ShellOaklandEDF@cambria-env.com

CONSULTANT PROJECT NO.: [illegible] BTS #

SAMPLER NAME(S) (Print): Michael Ninokata

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ____

GC/MS MTBE CONFIRMATION: HIGHEST ____ HIGHEST per BORING ____ ALL ____

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	DATE	TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	9/17/04	1731	W	3	X	X			X	X					
	MW-2		1704			X	X			X	X					
	MW-3		1749			X	X			X	X					
	MW-4		1525			X	X			X	X					
	MW-5		1801			X	X			X	X					
	BW-D	↓	1525	↓	↓	X	X		X	~~X~~ [illegible] 9/22/04						

TEMPERATURE ON RECEIPT C°: 4

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	9/23/04	1441
[signature] 9/24/04 1841	Tracy B [signature]	9/23/04	18:41

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/2003 Revision

C&O Graphic (714) 898-9702