



Shell Oil Products US

February 2, 2005

Alameda County
FEB 7 2005
Environmental Health

Roseanna Garcia-LaGrille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Shell-branded Service Station
1800 Powell Street
Emeryville, California

Dear Ms. Garcia-LaGrille:

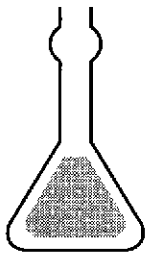
Attached for your review and comment is a copy of the *Fourth Quarter 2004 Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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

Sincerely,

Shell Oil Products US

Karen Petryna
Sr. Environmental Engineer



TOXICHEM Management Systems, Inc.

Environmental & Occupational Health Services

11 Kenton Avenue
San Carlos, California 94070
(650) 551-0112 / Fax (650) 551-0116

Industrial Hygiene - Exposure Assessment
Quantitative Risk Assessment
Compliance Audits
Real Property Environmental Assessments
Remedial Investigations
Air, Soil, and Groundwater Sampling
Remedial Engineering and Construction
Regulatory Compliance and Negotiation
Litigation Support Services

February 2, 2005
Project EQ-78.2A

REPORTS

Roseanna Garcia-LaGrille
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Annual Monitoring Report – Fourth Quarter 2004
Shell-branded Service Station
1800 Powell Street, Emeryville, California
Incident Number 98995349, SAP Number 135226

Dear Ms. Garcia-LaGrille:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), this letter transmits the results of fourth quarter 2004 annual groundwater monitoring and sampling conducted at the site referenced above (Figure 1).

Fourth Quarter 2004 Activities

During the fourth quarter 2004, Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled the wells and prepared a summary table of groundwater elevation and analytical data. Toxicchem Management Systems, Inc. (TOXICHEM) prepared the groundwater elevation contour and analytical concentration map (Figure 1). Blaine's report, inclusive of the certified analytical report and field data sheets, is included as Attachment A.

Anticipated 2005 Groundwater Monitoring Activities

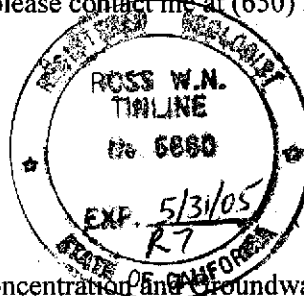
All site wells will be gauged and sampled by Blaine and the fourth quarter annual monitoring report will be prepared and submitted by TOXICHEM.

If you have any questions regarding this site, please contact me at (650) 551-0112.

Sincerely,

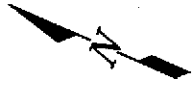
Toxicchem Management Systems, Inc.

Ross Tinline, P.G.
Senior Geologist



Attachments: Figure 1 - Benzene/MtBE Concentration and Groundwater Elevation
Contour Map
Attachment A - Fourth Quarter 2004 Groundwater Monitoring Data

cc: Karen Petryna, Shell Oil Products US, 20945 S. Wilmington Avenue Carson,
California 90810



SCALE (ft)



EXPLANATION

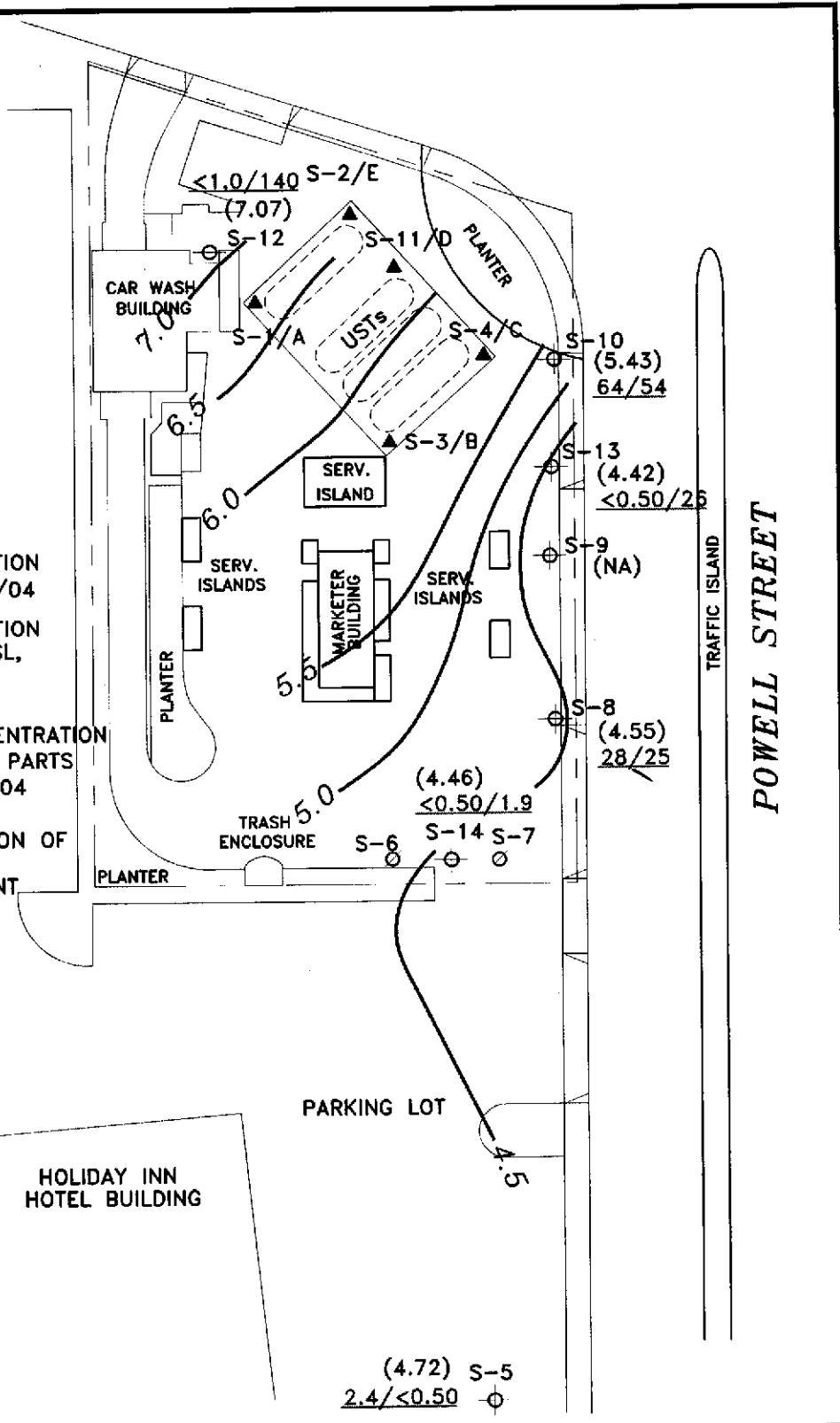
- ⊙ MONITORING WELL
- DESTROYED WELL
- ▲ TANK BACKFILL WELL

(4.42) GROUNDWATER ELEVATION IN FEET-MSL, 11/10/04

7.0 GROUNDWATER ELEVATION CONTOUR IN FEET-MSL, 11/10/04

28/25 BENZENE/MIBE CONCENTRATION IN GROUNDWATER, IN PARTS PER BILLION, 11/10/04

➤ APPROXIMATE DIRECTION OF GROUNDWATER FLOW; APPROXIMATE GRADIENT = 0.03



Ref. EQ-78/SITEMAP.DWG
Basemap from Cambrla

PREPARED BY

TOXICHEM
Management
Systems, Inc.
 Environmental & Occupational Health Services

Shell-Branded Service Station
 1800 Powell Street
 Emeryville, California

GROUNDWATER MONITORING MAP, NOVEMBER 10, 2004

FIGURE:
 1
PROJECT:
 EQ-78

ATTACHMENT A
FOURTH QUARTER 2004 GROUNDWATER MONITORING DATA

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

December 8, 2004

Karen Petryna
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Fourth Quarter 2004 Groundwater Monitoring at
Shell-branded Service Station
1800 Powell Street
Emeryville, CA

Monitoring performed on November 10, 2004

Groundwater Monitoring Report **041110-MT-1**

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Shell Martinez Manufacturing Complex.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

SAN JOSE

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

SACRAMENTO

(408) 573-0555

LOS ANGELES

FAX (408) 573-7771

LIC. 746684

SAN DIEGO

www.blainetech.com

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/ks

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

cc: Ross Tinline
Toxichem Management Systems
11 Kenton Ave.
San Carlos, CA 94070

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-5	10/26/1984	3,000	NA	660	20	20	70	NA	NA	11.72	NA	NA	NA
S-5	02/09/1985	2,800	NA	740	20	20	140	NA	NA	11.72	NA	NA	NA
S-5	04/27/1985	4,300	NA	750	10	20	<30	NA	NA	11.72	NA	NA	NA
S-5	07/06/1985	1,500	NA	300	8	7	9	NA	NA	11.72	NA	NA	NA
S-5	10/24/1985	2,100	NA	760	10	40	50	NA	NA	11.72	NA	NA	NA
S-5	01/03/1986	1,300	NA	520	9	8	10	NA	NA	11.72	NA	NA	NA
S-5	07/05/1986	1,400	NA	500	10	4	<10	NA	NA	11.72	8.36	3.36	NA
S-5	10/18/1986	4,200	NA	1,100	9	14	7	NA	NA	11.72	NA	NA	NA
S-5	01/13/1987	4,500	6,100	1,100	15	30	25	NA	NA	11.72	NA	NA	NA
S-5	07/07/1987	3,200	NA	1,000	16	9	12	NA	NA	11.72	9.15	2.57	NA
S-5	10/10/1987	1,700	NA	16	5.7	5.2	8.9	NA	NA	11.72	9.67	2.05	NA
S-5	02/11/1988	1,300	NA	300	5	<5	<5	NA	NA	11.72	9.00	2.72	NA
S-5	05/10/1988	1,900	NA	490	<0.5	<5	<5	NA	NA	11.72	8.61	3.11	NA
S-5	08/31/1988	6,700	NA	760	26	<25	<25	NA	NA	11.72	9.61	2.11	NA
S-5	12/03/1988	2,900	NA	890	5.3	7.3	13	NA	NA	11.72	9.47	2.25	NA
S-5	02/16/1989	1,300	NA	280	3	3.4	9.4	NA	NA	11.72	8.29	3.43	NA
S-5	08/10/1989	1,700	NA	530	5.5	<5	5.8	NA	NA	11.72	9.30	2.42	NA
S-5	11/11/1989	NA	NA	NA	NA	NA	NA	NA	NA	11.72	9.42	2.30	NA
S-5	02/21/1994	1,000	NA	250	<5	<5	<5	NA	NA	11.72	7.95	3.77	NA
S-5 (D)	02/21/1994	1,300	NA	220	<5	<5	11	NA	NA	11.72	7.95	3.77	NA
S-5	05/16/1994	1,200	NA	230	<5	<5	<5	NA	NA	11.72	8.00	3.72	NA
S-5	08/09/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/09/1994	1,600	NA	220	3.2	1.8	5	NA	NA	11.72	8.32	3.40	NA
S-5 (D)	11/09/1994	1,600	NA	250	3.3	1.9	5.9	NA	NA	11.72	8.32	NA	NA
S-5	02/22/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	05/02/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	05/10/1995	910	NA	170	1.5	1.3	5.2	NA	NA	11.72	NA	NA	NA
S-5	08/24/1995	620	NA	210	<0.5	1.2	5.3	NA	NA	11.72	8.78	2.94	NA

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
S-5	12/08/1995	1,600	NA	510	3.3	1.5	6.6	NA	NA	11.72	9.78	1.94	NA
S-5 (D)	12/08/1995	1,600	NA	530	1.8	1.1	5.4	NA	NA	11.72	9.78	1.94	NA
S-5	02/29/1996	1,900	NA	470	5.8	<5.0	<5.0	46	NA	11.72	7.64	4.08	NA
S-5 (D)	02/29/1996	1,700	NA	440	5.4	<5.0	<5.0	40	NA	11.72	7.64	4.08	NA
S-5	05/22/1996	1,200	NA	490	<10	<10	<10	<50	NA	11.72	8.60	3.12	NA
S-5	07/30/1996	1,100	NA	400	<5.0	<5.0	6.9	<25	NA	11.72	9.40	2.32	NA
S-5	11/11/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/03/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/06/1998	620	NA	91	<0.50	0.64	4.0	<2.5	NA	11.72	8.25	3.47	NA
S-5	12/07/1999	Well inaccessible		NA	NA	NA	NA	NA	NA	11.72	NA	NA	NA
S-5	11/02/2000	1,120	NA	191	2.78	<2.50	3.56	<12.5	NA	11.72	8.55	3.17	NA
S-5	12/27/2001	760	NA	110	2.4	<0.50	5.8	NA	<5.0	11.72	7.64	4.08	NA
S-5	11/26/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	14.07	NA	NA	NA
S-5	12/06/2002	860	NA	130	2.3	<0.50	6.0	NA	<5.0	14.07	8.62	5.45	NA
S-5	11/25/2003	920	NA	180	3.0	<1.0	6.2	NA	<1.0	14.07	9.32	4.75	NA
S-5	11/10/2004	530	NA	2.4	0.68	<0.60	6.3	NA	<0.50	14.07	9.35	4.72	NA
S-6	04/27/1985	6,500	NA	2,400	30	50	210	NA	NA	NA	NA	NA	NA
S-6	07/06/1985	3,700	NA	1,700	34	55	200	NA	NA	NA	NA	NA	NA
S-6	10/24/1985	23	<0.5	<5	10	NA	NA	NA	NA	NA	NA	<50	NA
S-6	11/08/1985	Well abandoned		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-7	10/26/1984	50	NA	1.1	<1	<1	4	NA	NA	NA	NA	NA	NA
S-7	02/09/1985	NA	NA	0.9	<1	<1	<3	NA	NA	NA	NA	NA	NA
S-7	04/27/1985	<50	NA	<1	<1	<1	<3	NA	NA	NA	NA	NA	NA
S-7	07/06/1985	70	NA	2.2	<1	<1	<3	NA	NA	NA	NA	NA	NA
S-7	10/24/1985	6,200	NA	2,200	130	190	660	NA	NA	NA	NA	NA	NA
S-7	11/09/1985	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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1800 Powell Street
Emeryville, CA

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S-8	10/26/1984	1,000	NA	610	9	1	42	NA	NA	12.76	NA	NA	NA
S-8	02/09/1985	500	NA	160	5	<2	17	NA	NA	12.76	NA	NA	NA
S-8	04/27/1985	2,700	NA	1500	20	10	40	NA	NA	12.76	NA	NA	NA
S-8	07/06/1985	440	NA	180	5	2	12	NA	NA	12.76	NA	NA	NA
S-8	10/24/1985	2,000	NA	1,100	17	5	70	NA	NA	12.76	NA	NA	NA
S-8	01/03/1986	1,900	NA	1,300	20	<10	70	NA	NA	12.76	NA	NA	NA
S-8	07/05/1986	1,600	NA	920	30	<10	60	NA	NA	12.76	9.50	3.26	NA
S-8	10/18/1986	1,400	NA	640	<10	<10	30	NA	NA	12.76	NA	NA	NA
S-8	01/13/1987	670	760	190	5.8	<0.5	19	NA	NA	12.76	NA	NA	NA
S-8	04/22/1987	2,400	NA	740	54	5.7	59	NA	NA	12.76	NA	NA	NA
S-8	07/07/1987	1,100	NA	450	15	<2.5	42	NA	NA	12.76	10.45	2.31	NA
S-8	10/10/1987	340	NA	4	0.6	<0.5	17	NA	NA	12.76	10.83	1.93	NA
S-8	02/11/1988	<1,000	NA	260	<10	<10	11	NA	NA	12.76	10.44	2.32	NA
S-8	05/10/1988	1,800	NA	700	14	<5	46	NA	NA	12.76	10.17	2.59	NA
S-8	08/31/1988	NA	NA	NA	NA	NA	NA	NA	NA	12.76	10.81	1.95	SPH
S-8	12/03/1988	960	NA	250	4.3	<2.5	14	NA	NA	12.76	10.81	1.95	NA
S-8	02/16/1989	2,700	NA	800	35	10	83	NA	NA	12.76	9.65	3.11	NA
S-8	05/28/1989	960	NA	710	25	84	80	NA	NA	12.76	10.46	2.30	NA
S-8	08/10/1989	1,300	NA	630	17	<5	46	NA	NA	12.76	10.59	2.17	NA
S-8	11/11/1989	910	NA	180	8	<2.5	15	NA	NA	12.76	10.29	2.47	NA
S-8	02/21/1994	3,200	NA	480	52	<5	130	NA	NA	12.76	9.52	3.24	NA
S-8	05/16/1994	1,000	NA	220	7.3	<5	28	NA	NA	12.76	9.49	3.27	NA
S-8 (D)	05/16/1994	1,000	NA	280	10	<5	29	NA	NA	12.76	9.49	3.27	NA
S-8	08/09/1994	400	NA	27	6.6	<0.5	18	NA	NA	12.76	10.37	2.39	NA
S-8	11/09/1994	650	NA	170	5.3	<0.5	17	NA	NA	12.76	9.58	3.18	NA
S-8	02/22/1995	650	NA	210	10	1.2	22	NA	NA	12.76	9.02	3.74	NA
S-8	05/02/1995	1,000	NA	280	17	1.4	32	NA	NA	12.76	8.45	4.31	NA

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S-8	08/24/1995	480	NA	180	11	1	19	NA	NA	12.76	10.02	2.74	NA
S-8 (D)	08/24/1995	700	NA	180	6.5	<0.5	17	NA	NA	12.76	10.02	2.74	NA
S-8	12/08/1995	740	NA	230	6.9	0.7	15	NA	NA	12.76	10.65	2.11	NA
S-8	02/29/1996	740	NA	260	8.1	<5.0	19	58	NA	12.76	9.10	3.66	NA
S-8	05/22/1996	1,200	NA	350	10	<5.0	23	74	NA	12.76	10.14	2.62	NA
S-8	07/30/1996	530	NA	220	20	6.3	36	69	NA	12.76	10.51	2.25	NA
S-8	11/11/1996	540	NA	140	3.7	<2.0	17	42	NA	12.76	10.23	2.53	NA
S-8	11/03/1997	480	NA	54	3.5	<0.50	12	40	NA	12.76	9.40	3.36	NA
S-8	11/06/1998	740	NA	110	10	2.8	26	31	NA	12.76	9.78	2.98	NA
S-8	12/07/1999	770	NA	270	16	<2.0	33	75	NA	12.76	10.14	2.62	NA
S-8	11/02/2000	436	NA	75.8	6.18	0.549	14.9	81.5	NA	12.76	9.45	3.31	NA
S-8	12/27/2001	1,300	NA	62	11	1.8	31	NA	86	12.76	9.19	3.57	NA
S-8	11/26/2002	970	NA	58	3.8	0.51	15	NA	35	15.00	10.10	4.90	NA
S-8	11/25/2003	400	NA	19	4.4	<0.50	15	NA	34	15.00	10.49	4.51	NA
S-8	11/10/2004	430	NA	28	3.4	<0.50	11	NA	25	15.00	10.45	4.55	NA

S-9	10/26/1984	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	02/09/1985	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.30
S-9	04/27/1985	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.25
S-9	07/06/1985	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.20
S-9	10/24/1985	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	01/03/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	04/11/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	07/05/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.75	9.67	3.08	SPH
S-9	10/18/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	01/13/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	04/22/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	07/07/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH

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Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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S-9	10/10/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.75	22.30	-9.55	SPH
S-9	02/24/1994	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	05/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	1.50
S-9	08/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.80	NA	2.00
S-9	11/09/1994	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	02/22/1995	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.40	NA	2.38
S-9	05/02/1995	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.83	NA	2.12
S-9	12/08/1995	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.92	NA	1.06
S-9	02/29/1996 a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	12.10	2.88	2.79
S-9	05/22/1996 a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	11.71	2.44	1.75
S-9	07/30/1996 a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	11/11/1996 a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	9.00
S-9	11/03/1997 a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	11/06/1998 a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	SPH
S-9	12/07/1999 a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	NA
S-9	11/02/2000 a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	NA
S-9	12/27/2001 a	NA	NA	NA	NA	NA	NA	NA	NA	12.75	NA	NA	NA
S-9	11/26/2002 a	NA	NA	NA	NA	NA	NA	NA	NA	14.83	NA	NA	NA
S-9	11/25/2003 a	NA	NA	NA	NA	NA	NA	NA	NA	14.83	NA	NA	NA
S-9	11/25/2003 a	NA	NA	NA	NA	NA	NA	NA	NA	14.98 n	NA	NA	NA

S-10	10/26/1984	700,000	NA	37,000	100,000	20,000	110,000	NA	NA	12.58	NA	NA	NA
S-10	02/09/1985	6,500	NA	480	700	100	1,800	NA	NA	12.58	NA	NA	NA
S-10	04/27/1985	13,000	NA	1,300	500	600	3,700	NA	NA	12.58	NA	NA	NA
S-10	07/06/1985	14,000	NA	1,300	310	270	2,400	NA	NA	12.58	NA	NA	NA
S-10	10/24/1985	4,200	NA	580	34	4	440	NA	NA	12.58	NA	NA	NA
S-10	01/03/1986	1,700	NA	360	10	7.8	170	NA	NA	12.58	NA	NA	NA
S-10	04/11/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.01

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S-10	07/05/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.58	9.16	3.42	0.01
S-10	10/18/1986	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.03
S-10	01/13/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.03
S-10	04/22/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.58	NA	NA	0.01
S-10	07/07/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.58	9.41	3.17	0.03
S-10	10/10/1987	NA	NA	NA	NA	NA	NA	NA	NA	12.58	7.77	4.81	SPH
S-10	02/11/1988	1,200	NA	470	16	<5	14	NA	NA	12.58	6.41	6.17	NA
S-10	05/10/1988	1,100	NA	100	6	4	19	NA	NA	12.58	9.04	3.54	NA
S-10	08/31/1988	NA	NA	NA	NA	NA	NA	NA	NA	12.58	9.38	3.20	0.01
S-10	12/03/1988	NA	NA	NA	NA	NA	NA	NA	NA	12.58	6.89	5.69	SPH
S-10	02/16/1989	530	NA	89	8.5	1.6	4.5	NA	NA	12.58	7.34	5.24	NA
S-10	05/28/1989	240	NA	65	3.8	2.2	8.6	NA	NA	12.58	6.60	5.98	NA
S-10	08/10/1989	250	NA	23	4.1	<1	6.4	NA	NA	12.58	9.09	3.49	NA
S-10	11/11/1989	320	NA	1.6	1.3	1.4	6.2	NA	NA	12.58	6.58	6.00	NA
S-10	02/21/1994	1,400	NA	190	9.9	<2.5	19	NA	NA	12.58	8.32	4.26	NA
S-10	05/16/1994	300	NA	45	8.6	6.2	19	NA	NA	12.58	8.35	4.23	NA
S-10	08/08/1994	700	NA	57	14	<0.5	9.3	NA	NA	12.58	8.66	3.92	NA
S-10	11/09/1994	640	NA	130	2	1.6	4.1	NA	NA	12.58	6.68	5.90	NA
S-10	02/22/1995	500	NA	65	5.9	1	8.2	NA	NA	12.58	9.12	3.46	NA
S-10	05/02/1995	530	NA	59	2.3	0.8	8.2	NA	NA	12.58	9.50	3.08	NA
S-10	08/24/1995	350	NA	35	4.6	<0.5	6.7	NA	NA	12.58	10.06	2.52	NA
S-10	12/08/1995	690	NA	28	4.6	0.9	8.6	NA	NA	12.58	10.08	2.50	NA
S-10	02/29/1996	430	NA	32	1.8	0.5	5.8	16	NA	12.58	5.32	7.26	NA
S-10	05/22/1996	100	1,200	19	0.63	<0.5	1.4	5.3	NA	12.58	6.04	6.54	NA
S-10	07/30/1996	240	13,000	17	<1.2	<1.2	7.8	11	NA	12.58	10.48	2.10	NA
S-10	11/11/1996	370	4,800	16	1.1	<0.5	7	94	NA	12.58	10.31	2.27	NA
S-10	11/03/1997	340	1,100	6.7	2.1	<0.50	3.3	19	NA	12.58	9.53	3.05	NA
S-10 (D)	11/03/1997	310	1,100	7.8	1.3	<0.50	3.1	19	NA	12.58	9.53	3.05	NA

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S-10	11/06/1998	<250	2,000	<2.5	<2.5	<2.5	6.5	900	NA	12.58	5.12	7.46	NA
S-10	12/07/1999	400	2,230	47	33	10	29	90	NA	12.58	7.95	4.63	NA
S-10	11/02/2000	536	14,500	32.0	3.08	<0.500	2.98	42.3	NA	12.58	7.05	5.53	NA
S-10	12/27/2001	870	6,600	61	4.9	2.5	15	NA	26	12.58	7.43	5.15	NA
S-10	11/26/2002	720	9,800	56	3.5	<0.50	8.4	NA	52	15.11	9.75	5.36	NA
S-10	11/25/2003	550	530 m	29	2.7	<0.50	8.4	NA	49	15.11	9.00	6.11	NA
S-10	11/10/2004	660	1,500 m	64	5.0	0.61	14	NA	64	14.93 o	9.50	5.43	NA
S-12	07/06/1985	<250	2,200	0.71	<0.5	<0.5	<3.6	NA	NA	12.84	8.22	NA	NA
S-12	11/16/1985	<250	1,400	18	<2	<2	<5	NA	NA	12.84	NA	NA	NA
S-12	01/03/1986	<250	NA	24	2	<2	<5	NA	NA	12.84	NA	NA	NA
S-12	07/05/1986	80	NA	15	0.7	<0.5	2	NA	NA	12.84	8.27	4.57	NA
S-12	10/18/1986	150	NA	12	9	<0.5	3.6	NA	NA	12.84	NA	NA	NA
S-12	01/13/1987	120	1,000	3.6	0.8	<0.5	2.9	NA	NA	12.84	NA	NA	NA
S-12	04/22/1987	100	820	3.7	3.8	0.8	11	NA	NA	12.84	NA	NA	NA
S-12	07/07/1987	70	NA	2.5	0.8	<0.5	2.4	NA	NA	12.84	9.50	3.34	NA
S-12	10/10/1987	220	2,500	2.1	0.7	<0.5	1.2	NA	NA	12.84	9.90	2.94	NA
S-12	02/11/1988	110	2,500	0.8	<0.5	<0.5	1.3	NA	NA	12.84	9.43	3.41	NA
S-12	05/10/1988	140	3,800b	0.8	0.8	<0.5	2.5	NA	NA	12.84	8.65	4.19	NA
S-12	08/31/1988	190	2,600b	3	15	0.5	4.5	NA	NA	12.84	9.86	2.98	NA
S-12	12/03/1988	180	3,900b	1.2	1	1	7.7	NA	NA	12.84	9.93	2.91	NA
S-12	02/16/1989	350c	2,100b	0.6	<0.5	0.5	5.5	NA	NA	12.84	8.08	4.76	NA
S-12	05/28/1989	290	2,200	2	1.6	4.4	6	NA	NA	12.84	9.08	3.76	NA
S-12	08/10/1989	240	720	0.7	<0.5	<0.5	1.1	NA	NA	12.84	9.35	3.49	NA
S-12	11/11/1989	210c	4,100	0.7	0.5	<0.5	3.4	NA	NA	12.84	9.28	3.56	NA
S-12	02/21/1994	240d	2,200e	0.7	<0.5	<0.5	3.6	NA	NA	12.84	8.22	4.62	NA
S-12	05/16/1994	96	2,200	1.5	<0.5	<0.5	2	NA	NA	12.84	8.92	3.92	NA
S-12	08/08/1994	110f	3,500g	<0.5	<0.5	<0.5	<0.5	NA	NA	12.84	NA	0.00	NA

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S-12	11/09/1994	80	5,400g	80	<0.5	<0.5	0.6	NA	NA	12.84	7.56	5.28	NA
S-12	02/22/1995	110	2,900g,h	0.7	<0.5	<0.5	3.7	NA	NA	12.84	7.98	4.86	NA
S-12 (D)	02/22/1995	110	3,400g,h	4.8	7.1	<0.5	2.1	NA	NA	12.84	7.98	4.86	NA
S-12	05/02/1995	140	2,800	2.4	1.1	0.8	4.3	NA	NA	12.84	8.44	4.40	NA
S-12	08/24/1995	200	1,600	19	12	5.6	24	NA	NA	12.84	9.00	3.84	NA
S-12	12/08/1995	170	2,700	2.2	0.7	0.9	3.6	NA	NA	12.84	9.62	3.22	NA
S-12	02/29/1996	1,700	2,200	<5.0	<5.0	<5.0	<5.0	5,600	NA	12.84	7.64	5.20	NA
S-12	05/22/1996	<1,000	5,700	<10	<10	<10	<10	2,400	NA	12.84	8.94	3.90	NA
S-12	07/30/1996	<500	3,200	<5.0	<5.0	<5.0	<5.0	1,500	NA	12.84	9.71	3.13	NA
S-12 (D)	07/30/1996	<500	2,900	<5.0	<5.0	<5.0	<5.0	NA	2,000	12.84	9.71	3.13	NA
S-12	11/11/1996	<500	6,900	<5.0	<5.0	<5.0	<5.0	1,400	NA	12.84	9.65	3.19	NA
S-12	11/03/1997	110	2,800	2.1	<0.50	<0.50	1.3	NA	NA	12.84	8.73	4.11	NA
S-12	11/06/1998	<500	2,900	<5.0	<5.0	<5.0	<5.0	2,700	NA	12.84	8.85	3.99	NA
S-12	12/07/1999	<500	2,800	<5.0	<5.0	<5.0	<5.0	1,900	NA	12.84	8.32	4.52	NA
S-12	11/02/2000	132	4,000	0.642	<0.500	<0.500	1.07	1,900	2,230 k	12.84	7.50	5.34	NA
S-12	12/27/2001	230	2,700	<2.0	<2.0	<2.0	<2.0	NA	760	12.84	7.00	5.84	NA
S-12	11/26/2002	180	540	<1.0	<1.0	<1.0	1.7	NA	390	14.87	8.35	6.52	NA
S-12	11/25/2003	<250	2,600 m	<2.5	<2.5	<2.5	<5.0	NA	310	14.87	6.04	8.83	NA
S-12	11/10/2004	290	1,000 m	<1.0	1.2	<1.0	5.0	NA	140	14.87	7.80	7.07	NA

S-13	07/06/1985	700	3,600	200	<5	<5	45	NA	NA	12.59	9.26	NA	NA
S-13	11/16/1985	1,900	2,000	700	160	70	340	NA	NA	12.59	NA	NA	NA
S-13	01/03/1986	2,800	NA	1,400	130	10	500	NA	NA	12.59	NA	NA	NA
S-13	07/05/1986	3,100	NA	1,800	60	40	270	NA	NA	12.59	9.47	3.12	NA
S-13	10/23/1986	3,400	NA	1,500	28	28	250	NA	NA	12.59	NA	NA	NA
S-13	01/13/1987	1,900	900	830	15	<10	99	NA	NA	12.59	NA	NA	NA
S-13	04/22/1987	2,900c	770h	1,100	20	30	140	NA	NA	12.59	NA	NA	NA
S-13	07/07/1987	1,500	NA	880	10	6	160	NA	NA	12.59	10.38	2.21	NA

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S-13	10/10/1987	480	2,400	830	15	<0.5	120	NA	NA	12.59	10.78	1.81	NA
S-13	02/11/1988	1,300	1,300	510	<10	<10	86	NA	NA	12.59	10.48	2.11	NA
S-13	05/10/1988	1,000	1,300b	470	<0.5	<5	50	NA	NA	12.59	9.48	3.11	NA
S-13	08/31/1988	NA	NA	NA	NA	NA	NA	NA	NA	12.59	10.74	1.85	SPH
S-13	12/03/1988	900	2,400b	290	4.6	<2.5	20	NA	NA	12.59	10.30	2.29	NA
S-13	02/16/1989	840c	1,200b	310	3.5	<2.5	27	NA	NA	12.59	7.60	4.99	NA
S-13	05/28/1989	2,100	4,600	1,100	19	50	350	NA	NA	12.59	10.60	1.99	NA
S-13	08/10/1989	900	2,300	230	16	6.9	65	NA	NA	12.59	10.58	2.01	NA
S-13	11/11/1989	2,800	2,800	200	15	8.6	58	NA	NA	12.59	9.84	2.75	NA
S-13	02/21/1994	700	1,800d	200	<5	<5	45	NA	NA	12.59	9.26	3.33	NA
S-13	05/16/1994	650	1,700	180	2.5	<2.5	21	NA	NA	12.59	9.62	2.97	NA
S-13	08/08/1994	470	2,600g	12	1.5	0.5	14	NA	NA	12.59	10.32	2.27	NA
S-13	11/09/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	12.59	NA	NA	NA
S-13	02/22/1995	550	2,400g,h	190	4	<0.5	17	NA	NA	12.59	8.92	3.67	NA
S-13	05/02/1995	790	2,100	250	6.9	1.2	22	NA	NA	12.59	9.52	3.07	NA
S-13	08/24/1995	330	1,500	93	<0.5	<0.5	2	NA	NA	12.59	10.02	2.57	NA
S-13	12/08/1995	440	2,400	110	2.2	0.8	23	NA	NA	12.59	10.75	1.84	NA
S-13	02/29/1996	560	2,500	130	<5.0	<5.0	30	30	NA	12.59	9.02	3.57	NA
S-13	05/22/1996	430	3,700	55	1.6	310	27	<5.0	NA	12.59	10.20	2.39	NA
S-13	07/30/1996	230	1,600	30	2	1.4	17	15	NA	12.59	10.42	2.17	NA
S-13	11/11/1996	320	2,700	19	1.1	<0.5	14	3.5	NA	12.59	10.28	2.31	NA
S-13 (D)	11/11/1996	360	2,400	24	1.3	<0.5	15	4.5	NA	12.59	10.28	2.31	NA
S-13	11/03/1997	300	1,900	25	1.4	0.63	12	5.0	NA	12.59	9.36	3.23	NA
S-13	11/06/1998	390	1,300	53	2.9	1.1	13	17	NA	12.59	9.85	2.74	NA
S-13	12/07/1999	420	1,430	15	6.2	2.6	15	42	NA	12.59	9.72	2.87	NA
S-13	11/02/2000	257	4,240	4.89	1.92	<0.500	5.17	45.1	NA	12.59	7.15	5.44	NA
S-13	12/27/2001	300	6,400	7.2	0.84	<0.50	6.0	NA	34	12.59	9.35	3.24	NA
S-13	11/26/2002	160	850	<0.50	<0.50	<0.50	2.6	NA	23	14.47	9.80	4.67	NA

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S-13	11/25/2003	180	5,100 m	0.57	0.55	<0.50	3.0	NA	26	14.47	9.94	4.53	NA
S-13	11/10/2004	220	1,900 m	<0.50	0.71	<0.50	2.8	NA	26	14.47	10.05	4.42	NA
S-14	11/16/1985	<250	400	3	<2	<2	<5	NA	NA	12.69	NA	NA	NA
S-14	01/03/1986	<250	NA	3	2	<2	<5	NA	NA	12.69	NA	NA	NA
S-14	04/22/1987	1,200	18,000	7.4	2.7	15	110	NA	NA	12.69	NA	NA	NA
S-14	07/07/1987	190	NA	6.5	0.6	1.9	26	NA	NA	12.69	10.32	2.37	NA
S-14	10/10/1987	4,900	21,000	7	1.2	<0.5	25	NA	NA	12.69	10.77	1.92	NA
S-14	02/11/1988	370	12,000c	4.6	<2.5	<2.5	26	NA	NA	12.69	10.40	2.29	NA
S-14	05/10/1988	660	2,200b	2.9	<2.5	<2.5	24	NA	NA	12.69	9.66	3.03	NA
S-14	08/31/1988	700	7,900	3.2	<2.5	<2.5	15	NA	NA	12.69	10.74	1.95	NA
S-14	12/03/1988	210	11,000b	<0.5	<0.5	0.8	6.8	NA	NA	12.69	10.69	2.00	NA
S-14	02/16/1989	130c	5,700b	<0.5	<0.5	<0.5	4.4	NA	NA	12.69	9.69	3.00	NA
S-14	05/28/1989	770	5,200	<0.5	<0.5	<0.5	4.5	NA	NA	12.69	10.42	2.27	NA
S-14	08/10/1989	920	8,800	<1	<1	1.6	17	NA	NA	12.69	10.54	2.15	NA
S-14	11/11/1989	710	28,000	20	57	25	69	NA	NA	12.69	9.91	2.78	NA
S-14	02/21/1994	2,800	3,600	<5	<5	<5	14	NA	NA	12.69	9.30	3.09	NA
S-14	02/21/1994	2,300d	3,600e	<5.0	<5	<5	14	NA	NA	12.69	9.30	3.39	NA
S-14	05/16/1994	310	6,700	<2.5	<2.5	<2.5	3.1	NA	NA	12.69	9.54	3.15	NA
S-14	08/08/1994	480l	2,900	<0.5	0.6	<0.5	0.8	NA	NA	12.69	10.29	2.40	NA
S-14 (D)	08/08/1994	590l	2,900	<0.5	0.6	<0.5	1.5	NA	NA	12.69	10.29	2.40	NA
S-14	11/09/1994	170i	6,400g	0.7	<0.5	<0.5	2.7	NA	NA	12.69	9.52	3.07	NA
S-14	02/22/1995	550	7,000g,h	<0.5	<0.5	<0.5	1.6	NA	NA	12.69	9.18	3.51	NA
S-14	05/02/1995	210	2,300	1	0.9	1.1	6.3	NA	NA	12.69	9.49	3.20	NA
S-14 (D)	05/02/1995	160	2,600	0.6	0.6	0.7	3.8	NA	NA	12.69	9.49	3.20	NA
S-14	08/24/1995	180	3,700	0.5	<0.5	<0.5	1.3	NA	NA	12.69	9.94	2.75	NA
S-14	12/08/1995	190	4,900	1	<0.5	0.6	4.6	NA	NA	12.69	10.65	2.04	NA
S-14	02/29/1996	200	11,000	<0.5	<0.5	<0.5	2	3	NA	12.69	8.90	3.79	NA

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S-14	05/22/1996	93	3,800	<0.5	<0.5	<0.5	1.6	<2.5	NA	12.69	10.10	2.59	NA
S-14 (D)	05/22/1996	150	3,900	<0.5	<0.5	<0.5	1.8	<2.5	NA	12.69	10.10	2.59	NA
S-14	07/30/1996	<50	2,500	<0.5	<0.5	<0.5	0.89	<2.5	NA	12.69	10.37	2.32	NA
S-14	11/11/1996	2,600	27,000	<2.5	<2.5	<2.5	3.9	<12	NA	12.69	10.29	2.40	NA
S-14	11/03/1997	430	1,800	<0.50	<0.50	<0.50	1.7	<2.5	NA	12.69	9.52	3.17	NA
S-14	11/06/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	12.69	NA	NA	NA
S-14	12/07/1999	970	5,920	1.0	1.1	0.59	3.5	2.6	NA	12.69	9.73	2.96	NA
S-14	11/02/2000	273	535,000	<0.500	<0.500	<0.500	1.59	<2.50	NA	12.69	9.98	2.71	NA
S-14	12/27/2001	68	20,000	<0.50	<0.50	<0.50	1.3	NA	<5.0	12.69	9.33	3.36	NA
S-14	11/26/2002	<50	2,400	<0.50	<0.50	<0.50	0.91	NA	<5.0	14.51	9.70	4.81	NA
S-14	11/25/2003	78 m	4,400 m	<0.50	<0.50	<0.50	1.2	NA	1.6	14.51	9.99	4.52	NA
S-14	11/10/2004	74 p	2,500 m	<0.50	<0.50	<0.50	<1.0	NA	1.9	14.51	10.05	4.46	NA

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B, prior to December 27, 2001, by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to December 27, 2001, by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

TOB = Top of Wellbox Elevation

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

NA = Not applicable

WELL CONCENTRATIONS
Shell-Branded Service Station
1800 Powell Street
Emeryville, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)
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Notes:

- a = Tar-like substance in well, probably from previous landfill activities; not gasoline.
 - b = Compounds detected within the chromatographic range appear to be weathered diesel.
 - c = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern.
 - d = The concentrations reported as gasoline for samples S-12 and S-14 are primarily due to the presence of a discrete peak.
 - e = The concentrations reported as diesel for samples S-12, S-13, and S-14 are due to the presence of a combination of diesel and a heavier petroleum product of hydrocarbon range C18 - C36, possibly motor oil.
 - f = The result for gasoline is an unknown hydrocarbon which consists of several peaks.
 - g = The positive result appears to be a heavier hydrocarbon than diesel.
 - h = Compounds detected within the chromatographic range of diesel appears to include gasoline compounds.
 - i = The positive result appears to be a heavier hydrocarbon than gasoline.
 - j = No MTBE could be determined due to co-elution with early eluting compounds.
 - k = This sample analyzed outside of EPA recommended holding time.
 - m = Hydrocarbon does not match pattern of laboratory's standard.
 - n = Top of casing altered +0.15 feet on August 2, 2004 due to wellhead maintenance.
 - o = Top of casing altered -0.18 feet on August 2, 2004 due to wellhead maintenance.
 - p = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
- Beginning November 26, 2002, depth to water referenced to Top of Casing Elevation.
 Active wells surveyed February 12, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Blaine Tech Services, Inc.

November 29, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 041110-MT1
Project: 98995349
Site: 1800 Powell St., Emeryville

Dear Mr. Gearhart,

Attached is our report for your samples received on 11/11/2004 12:55
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
12/26/2004 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
Project Manager

Gas/BTEX/MTBE 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: 041110-MT1

98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-5	11/10/2004 12:10	Water	1
S-8	11/10/2004 11:40	Water	2
S-10	11/10/2004 12:20	Water	3
S-12	11/10/2004 11:20	Water	4
S-13	11/10/2004 10:55	Water	5
S-14	11/10/2004 10:35	Water	6

Severn Trent Laboratories, Inc.

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

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

11/22/2004 12:16

Gas/BTEX/MTBE 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: 041110-MT1
98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-5	Lab ID: 2004-11-0374 - 1
Sampled: 11/10/2004 12:10	Extracted: 11/17/2004 20:14
Matrix: Water	QC Batch#: 2004/11/17-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	530	50	ug/L	1.00	11/17/2004 20:14	
Benzene	2.4	0.50	ug/L	1.00	11/17/2004 20:14	
Toluene	0.68	0.50	ug/L	1.00	11/17/2004 20:14	
Ethylbenzene	ND	0.50	ug/L	1.00	11/17/2004 20:14	
Total xylenes	6.3	1.0	ug/L	1.00	11/17/2004 20:14	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	11/17/2004 20:14	
Surrogate(s)						
1,2-Dichloroethane-d4	97.0	76-130	%	1.00	11/17/2004 20:14	
Toluene-d8	71.0	78-115	%	1.00	11/17/2004 20:14	S6

Gas/BTEX/MTBE 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: 041110-MT1
98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-8	Lab ID: 2004-11-0374 - 2
Sampled: 11/10/2004 11:40	Extracted: 11/17/2004 20:36
Matrix: Water	QC Batch#: 2004/11/17-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	430	50	ug/L	1.00	11/17/2004 20:36	
Benzene	28	0.50	ug/L	1.00	11/17/2004 20:36	
Toluene	3.4	0.50	ug/L	1.00	11/17/2004 20:36	
Ethylbenzene	ND	0.50	ug/L	1.00	11/17/2004 20:36	
Total xylenes	11	1.0	ug/L	1.00	11/17/2004 20:36	
Methyl tert-butyl ether (MTBE)	25	0.50	ug/L	1.00	11/17/2004 20:36	
Surrogate(s)						
1,2-Dichloroethane-d4	89.7	76-130	%	1.00	11/17/2004 20:36	
Toluene-d8	122.1	78-115	%	1.00	11/17/2004 20:36	S4

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 041110-MT1
98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-10	Lab ID: 2004-11-0374 - 3
Sampled: 11/10/2004 12:20	Extracted: 11/17/2004 20:58
Matrix: Water	QC Batch#: 2004/11/17-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	660	50	ug/L	1.00	11/17/2004 20:58	
Benzene	64	0.50	ug/L	1.00	11/17/2004 20:58	
Toluene	5.0	0.50	ug/L	1.00	11/17/2004 20:58	
Ethylbenzene	0.61	0.50	ug/L	1.00	11/17/2004 20:58	
Total xylenes	14	1.0	ug/L	1.00	11/17/2004 20:58	
Methyl tert-butyl ether (MTBE)	54	0.50	ug/L	1.00	11/17/2004 20:58	
Surrogate(s)						
1,2-Dichloroethane-d4	102.5	76-130	%	1.00	11/17/2004 20:58	
Toluene-d8	104.1	78-115	%	1.00	11/17/2004 20:58	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105

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

Project: 041110-MT1

98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Prep(s): 5030B	Test(s): 8260B
Sample ID: S-13	Lab ID: 2004-11-0374 - 5
Sampled: 11/10/2004 10:55	Extracted: 11/17/2004 21:43
Matrix: Water	QC Batch#: 2004/11/17-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	220	50	ug/L	1.00	11/17/2004 21:43	
Benzene	ND	0.50	ug/L	1.00	11/17/2004 21:43	
Toluene	0.71	0.50	ug/L	1.00	11/17/2004 21:43	
Ethylbenzene	ND	0.50	ug/L	1.00	11/17/2004 21:43	
Total xylenes	2.8	1.0	ug/L	1.00	11/17/2004 21:43	
Methyl tert-butyl ether (MTBE)	26	0.50	ug/L	1.00	11/17/2004 21:43	
Surrogate(s)						
1,2-Dichloroethane-d4	84.8	76-130	%	1.00	11/17/2004 21:43	
Toluene-d8	97.5	78-115	%	1.00	11/17/2004 21:43	

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11/22/2004 12:16

Gas/BTEX/MTBE 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: 041110-MT1
98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Prep(s): 5030B

Test(s): 8260B

Sample ID: S-14

Lab ID: 2004-11-0374 - 6

Sampled: 11/10/2004 10:35

Extracted: 11/17/2004 22:05

Matrix: Water

QC Batch#: 2004/11/17-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	74	50	ug/L	1.00	11/17/2004 22:05	Q1
Benzene	ND	0.50	ug/L	1.00	11/17/2004 22:05	
Toluene	ND	0.50	ug/L	1.00	11/17/2004 22:05	
Ethylbenzene	ND	0.50	ug/L	1.00	11/17/2004 22:05	
Total xylenes	ND	1.0	ug/L	1.00	11/17/2004 22:05	
Methyl tert-butyl ether (MTBE)	1.9	0.50	ug/L	1.00	11/17/2004 22:05	
Surrogate(s)						
1,2-Dichloroethane-d4	85.1	76-130	%	1.00	11/17/2004 22:05	
Toluene-d8	107.6	78-115	%	1.00	11/17/2004 22:05	

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Gas/BTEX/MTBE 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: 041110-MT1
98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2004/11/17-2B.62-029

Water

Test(s): 8260B

QC Batch # 2004/11/17-2B.62

Date Extracted: 11/17/2004 19:29

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	11/17/2004 19:29	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	11/17/2004 19:29	
Benzene	ND	0.5	ug/L	11/17/2004 19:29	
Toluene	ND	0.5	ug/L	11/17/2004 19:29	
Ethylbenzene	ND	0.5	ug/L	11/17/2004 19:29	
Total xylenes	ND	1.0	ug/L	11/17/2004 19:29	
Surrogates(s)					
1,2-Dichloroethane-d4	90.8	76-130	%	11/17/2004 19:29	
Toluene-d8	109.2	78-115	%	11/17/2004 19:29	

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11/22/2004 12:16

Gas/BTEX/MTBE 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: 041110-MT1

98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2004/11/17-2B.62

LCS 2004/11/17-2B.62-051

Extracted: 11/17/2004

Analyzed: 11/17/2004 19:51

LCSD

Compound	Conc. ug/L		Exp. Conc.	Recovery %		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.8		25	87.2			65-165	20		
Benzene	23.2		25	92.8			69-129	20		
Toluene	29.9		25	119.6			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	420		500	84.0			76-130			
Toluene-d8	526		500	105.2			78-115			

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11/22/2004 12:16

Gas/BTEX/MTBE 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: 041110-MT1
98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2004/11/17-2B.62

MS/MSD

Lab ID: 2004-11-0275 - 002

MS: 2004/11/17-2B.62-050

Extracted: 11/18/2004

Analyzed: 11/18/2004 01:50

Dilution: 1.00

MSD: 2004/11/17-2B.62-012

Extracted: 11/18/2004

Analyzed: 11/18/2004 02:12

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	39.8	46.4	26.1	25	54.8	81.2	38.8	65-165	20	M5	R1
Benzene	26.9	21.9	0.72	25	104.7	84.7	21.1	69-129	20		R1
Toluene	29.0	26.2	0.711	25	113.2	102.0	10.4	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	414	436		500	82.8	87.2		76-130			
Toluene-d8	523	455		500	104.6	91.0		78-115			

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11/22/2004 12:16

Gas/BTEX/MTBE 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: 041110-MT1

98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Legend and Notes

Sample Comment

Lab ID: 2004-11-0374 -1

Sample reran with similar surrogate results indicating matrix interference.

Analysis Flag

L2

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

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

R1

Analyte RPD was out of QC limits.

S4

Surrogate recovery was higher than QC limit due to matrix interference.

S6

Surrogate recoveries lower than acceptance limits.

Severn Trent Laboratories, Inc.

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

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771Project: 041110-MT1
98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-10	11/10/2004 12:20	Water	3
S-12	11/10/2004 11:20	Water	4
S-13	11/10/2004 10:55	Water	5
S-14	11/10/2004 10:35	Water	6

Severn Trent Laboratories, Inc.

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

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

11/29/2004 11:54

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 041110-MT1

98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Prep(s): 3511	Test(s): 8015M
Sample ID: S-12	Lab ID: 2004-11-0374 - 4
Sampled: 11/10/2004 11:20	Extracted: 11/16/2004 08:57
Matrix: Water	QC Batch#: 2004/11/16-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1000	50	ug/L	1.00	11/16/2004 16:35	ndp
Surrogate(s)						
o-Terphenyl	123.5	78-177	%	1.00	11/16/2004 16:35	

Severn Trent Laboratories, Inc.

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11/29/2004 11:54

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 041110-MT1

98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Prep(s): 3511	Test(s): 8015M
Sample ID: S-13	Lab ID: 2004-11-0374 - 5
Sampled: 11/10/2004 10:55	Extracted: 11/16/2004 08:57
Matrix: Water	QC Batch#: 2004/11/16-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	1900	50	ug/L	1.00	11/16/2004 17:02	ndp
Surrogate(s)						
o-Terphenyl	160.9	78-177	%	1.00	11/16/2004 17:02	

Severn Trent Laboratories, Inc.

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11/29/2004 11:54

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 041110-MT1

98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Prep(s): 3511	Test(s): 8015M
Sample ID: S-14	Lab ID: 2004-11-0374 - 6
Sampled: 11/10/2004 10:35	Extracted: 11/16/2004 08:57
Matrix: Water	QC Batch#: 2004/11/16-02.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2500	50	ug/L	1.00	11/16/2004 17:28	ndp
Surrogate(s)						
o-Terphenyl	161.5	78-177	%	1.00	11/16/2004 17:28	

Severn Trent Laboratories, Inc.

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

11/29/2004 11:54

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 041110-MT1
98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Batch QC Report

Prep(s): 3511
Method Blank
MB: 2004/11/16-02.10-001

Water

Test(s): 8015M
QC Batch # 2004/11/16-02.10
Date Extracted: 11/16/2004 08:57

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/16/2004 13:52	
Surrogates(s) o-Terphenyl	158.7	78-177	%	11/16/2004 13:52	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105

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

Project: 041110-MT1

98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Batch QC Report

Prep(s): 3511

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2004/11/16-02.10

LCS 2004/11/16-02.10-002

Extracted: 11/16/2004

Analyzed: 11/16/2004 14:19

LCSD 2004/11/16-02.10-003

Extracted: 11/16/2004

Analyzed: 11/16/2004 14:46

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	615	569	680	90.4	83.7	7.7	60-150	25		
Surrogates(s) o-Terphenyl	1.70	1.59	1.25	135.9	126.8		78-177	0		

Severn Trent Laboratories, Inc.

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

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

11/29/2004 11:54

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: 041110-MT1

98995349

Received: 11/11/2004 12:55

Site: 1800 Powell St., Emeryville

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Severn Trent Laboratories, Inc.

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

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

11/29/2004 11:54

LAB: STL

SHELL Chain Of Custody Record

95633

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

Shell Project Manager to be Invoiced:
 SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 CANT HOUSTON
Karen Petryna
2004-11-0374

INCIDENT NUMBER (B&E ONLY):
9 8 9 9 5 3 4 9
SAP or GRMT NUMBER (TSP/CRMT):

DATE: 11/10/04
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services		LAB CODE: BTSS	SITE ADDRESS (Street and City): 1800 Powell St., Emeryville		GLOBAL ID #: T0600101231
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		OFF DELIVERABLE TO (Shipmaster Party or Designated): Ross Tinline		PHONE #: (650) 551-0112	LABORATORY PROJECT NO. 04110-011
PROJECT CONTACT (Name, Title or POC Number): Leon Garmart		E-MAIL: ross@toxichem.com		STANDARD:	
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgarmart@blainetech.com		LAB USE ONLY:	

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

LA - RWQCS REPORT FORMAT LIST 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	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	STEX	MTBE (8021B - 5ppb RL)	MTBE (8250B - 0.5ppb RL)	Oxygenates (S) by (8260B)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDS (8260B)	TPH - Diesel, Extractable (8015m)
		DATE	TIME												
	S-5	11/10/04	1210	W	3	X	X	X							
	S-8		1140		3	X	X	X							
	S-10		1220		6	X	X	X							X
	S-12		1120		6	X	X	X							X
	S-13		1055		6	X	X	X							X
	S-14	11/10	1035	W	6	X	X	X							X

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes
2°C
TEMPERATURE ON RECEIPT °C

Not reached w/ sample water
No preservative in bottles.

Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: <u>11/10/04</u>	Time: <u>1255</u>
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: <u>11/10/04</u>	Time: <u>1633</u>

SHELL WELL MONITORING DATA SHEET

BTS #: <u>04 1110-MTI</u>	Site: <u>98995349</u>
Sampler: <u>MT</u>	Date: <u>11/10/04</u>
Well I.D.: <u>5-12</u>	Well Diameter: 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/>
Total Well Depth (TD): <u>24.35</u>	Depth to Water (DTW): <u>7.20</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Grade	D.O. Meter (if req'd): YSI <input type="checkbox"/> HACH <input type="checkbox"/>
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>11.11</u>	

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

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

$\frac{6.1}{1} \text{ (Gals.)} \times 3 \text{ Specified Volumes} = 18.3 \text{ Gals. Calculated Volume}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1110	62.0	7.0	1970	>1000	6.1	
1113	62.9	7.1	1716	>1000	12.2	
1116	63.0	7.2	1800	>1000	18.3	

Did well dewater? Yes No Gallons actually evacuated: 18.3

Sampling Date: 11/10/04 Sampling Time: 11 20 Depth to Water: 11.00

Sample I.D.: 5-12 Laboratory: STL Other _____

Analyzed for: TPH-G UTEX MTBE TPH-D Other: _____

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: <u>041110-MTI</u>	Site: <u>98995349</u>
Sampler: <u>MT</u>	Date: <u>11/10/04</u>
Well I.D.: <u>S-1A</u>	Well Diameter: 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="radio"/>
Total Well Depth (TD): <u>23.80</u>	Depth to Water (DTW): <u>10.05</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <input checked="" type="radio"/> PVC <input type="radio"/> Grade	D.O. Meter (if req'd): <input type="radio"/> YSI <input type="radio"/> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>12.80</u>	

Purge Method: Bailer Water Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing
 Other: _____

<u>5</u> (Gals.) X <u>3</u> = <u>15</u> Gals. Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1024</u>	<u>66.0</u>	<u>6.6</u>	<u>3023</u>	<u>10.0</u>	<u>5</u>	
<u>1026</u>	<u>66.2</u>	<u>6.7</u>	<u>3190</u>	<u>6.73</u>	<u>10</u>	
<u>1028</u>	<u>66.2</u>	<u>6.7</u>	<u>3200</u>	<u>13.1</u>	<u>15</u>	

Did well dewater? Yes NO Gallons actually evacuated: 15

Sampling Date: 11/10/04 Sampling Time: 1035 Depth to Water: 12.70

Sample I.D.: S-1A Laboratory: STL Other _____

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

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

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

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

