CONESTOGA-ROVERS & ASSOCIATES

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

TRANSMITTAL

DATE: February 18, 2011

REFERENCE NO.: 240897

PROJECT NAME: 4411 Foothill Boulevard, Oakland

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

RECEIVED
2:30 pm, Feb 22, 2011
Alameda County
Environmental Health

Please find enclosed:
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QUANTITY	DESCRIPTION
1	Groundwater Monitoring Report – Fourth Quarter 2010

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

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

Copy to: Denis Brown, Shell Oil Products US (electronic copy)
Bill Phua, Foothill Blvd. LLC, P.O. Box 10664, Oakland, CA 94610

Completed by: Peter Schaefer Signed: Aubrey Cool

Filing: **Correspondence File**

Denis L. Brown
Shell Oil Products US
HSE – Environmental Services
20945 S. Wilmington Ave.
Carson, CA 90810-1039
Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

Mr. Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
4411 Foothill Boulevard
Oakland, California
SAP Code 135686
Incident No. 98995746
ACEH Case No. RO0000415

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Senior Program Manager

GROUNDWATER MONITORING REPORT - FOURTH QUARTER 2010

FORMER SHELL SERVICE STATION
4411 FOOTHILL BOULEVARD
OAKLAND, CALIFORNIA

SAP CODE	135686
INCIDENT NO.	98995746
AGENCY NO.	RO0000415

Prepared by:
Conestoga-Rovers & Associates

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

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

web: http://www.CRAworld.com

FEBRUARY 18, 2011
REF. NO. 240897 (15)
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LIST OF FIGURES
(Following Text)

LIST OF APPENDICES

1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell).

1.1 SITE INFORMATION

Site Address	4411 Foothill Boulevard, Oakland
Site Use	Strip Mall
Shell Project Manager	Denis Brown
CRA Project Manager	Peter Schaefer
Lead Agency and Contact	ACEH, Jerry Wickham
Agency Case No.	RO0000415
Shell SAP Code	135686
Shell Incident No.	98995746

Date of most recent agency correspondence was February 16, 2010.

2.0 SITE ACTIVITIES, FINDINGS, AND DISCUSSION

2.1 CURRENT QUARTER'S ACTIVITIES

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site.

CRA prepared a vicinity map (Figure 1) and a groundwater contour and chemical concentration map (Figure 2). Blaine's report, presenting the analytical data, is included in Appendix A.

CRA's August 16, 2010 *Soil Vapor Sampling Report* provided analytical results from sampling soil vapor probe V-12 on July 29, 2010. No constituents of concern were detected in the soil vapor sample from V-12, and we concluded that no further soil vapor monitoring is warranted.

2.2 CURRENT QUARTER'S FINDINGS

Groundwater Flow Direction	Variable
Hydraulic Gradient	Variable
Depth to Water	5.60 to 7.63 feet below top of well casing

2.3 PROPOSED ACTIVITIES

Based on groundwater data collected since the fourth quarter of 1992, CRA believes that groundwater conditions at the site have been adequately characterized and that annual gauging and sampling will be sufficient to monitor changes in groundwater conditions. Unless directed otherwise, Blaine will gauge and sample wells annually during the fourth quarter, and CRA will issue groundwater monitoring reports annually following the sampling events.

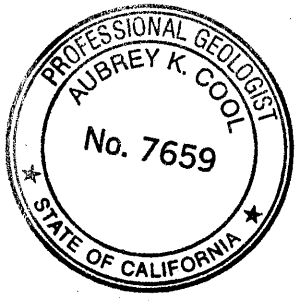
All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Eric A. Dyston for

Peter Schaefer, CHG, CEG

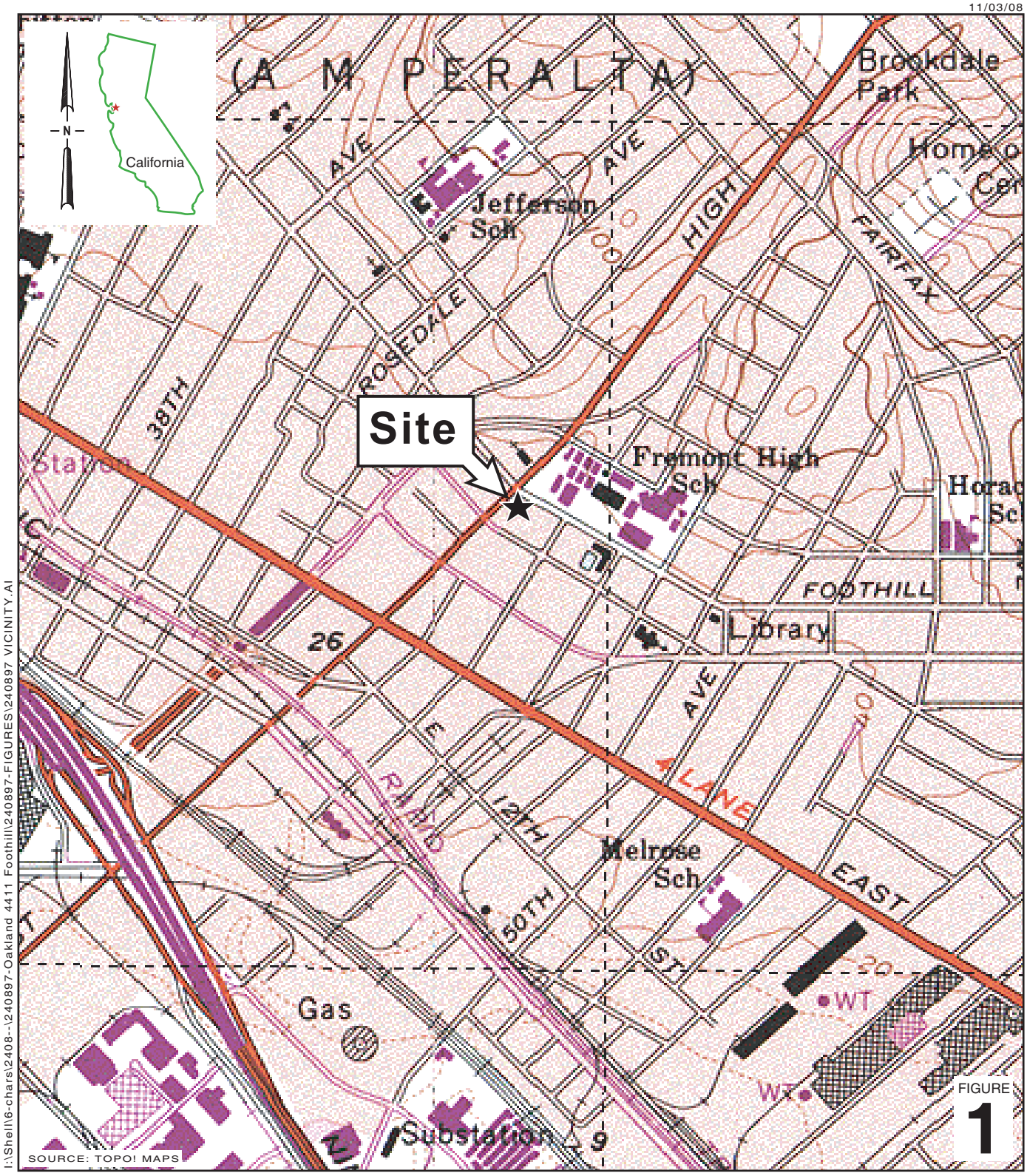
Aubrey K Cool

Aubrey K. Cool, PG



FIGURES

11/03/08



I:\Shell\6-chars\2408--\240897-Oakland 4411 Foothill\240897-FIGURES\240897 VICINITY.AI

FIGURE 1

0 1/6 1/3 1/2 1

SCALE : 1" = 1/6 MILE

Former Shell Service Station
4411 Foothill Boulevard
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

02/07/2011

Groundwater Contour and Chemical Concentration Map

December 28, 2010

HIGH STREET

FOOTHILL BOULEVARD

4411 Foothill

Former Shell Station
4411 Foothill

BLDG. A

Wood Moulding & Doors
4413 Foothill

Laundromat

4415 Foothill

4417 Foothill

BLDG. B

4419 Foothill

Jackson & Hewitt Tax Services
4421 Foothill

Nails & Spa
4423 Foothill

Former Building

Restaurant

Parking Lot

Parking Lot

4340 Bond St.

Residential
1724 High St.

Residential
4320 Bond St.

Trash Encl.

Planter

S-1 S-2 S-3 S-4 S-5

S-6
30.23
290
49

S-7
30.52
13,000
160

S-8
30.12
8,700
200

S-9
30.48
3.8
NDa

S-10
30.34
ND
ND

S-11
30.48
ND
ND

S-12
30.40
ND
ND

SSV-1 SSV-2

V-1 V-2 V-3 V-4 V-5 V-6 V-7 V-8 V-9 V-10 V-11 V-12

BW-A

30.20 30.35 30.50

E

N

0 10 20 40

Scale (ft)

EXPLANATION

- S-6 — Monitoring well location
- V-1 — Soil vapor probe location
- SSV-1 — Destroyed sub-slab soil vapor probe location
- S-1 — Destroyed monitoring well location
- BW-A — Destroyed tank backfill well location
- Electrical line (E)
- Telecommunications line (T)
- Gas line (GAS)
- Water line (W)
- Sanitary Sewer line (SAN)
- Storm drain line (STM)
- Unknown utility line
- Fire hydrant
- Catch basin
- Manhole
- Power pole
- Flow direction
- XX.XX — Groundwater elevation contour, in feet above mean sea level (msl)

Well
ELEV.
Benzene
MTBE

- Well designation
- Groundwater elevation, in feet above msl
- Benzene and MTBE concentrations are in parts per micrograms per liter

Notes:
ND = Not detected
NDa = Elevated reporting limit; see laboratory report for details

FIGURE

2

Former Shell Service Station
4411 Foothill Boulevard
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

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APPENDIX A

BLAINE TECH SERVICES, INC. - GROUNDWATER MONITORING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

January 19, 2011

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

Fourth Quarter 2010 Groundwater Monitoring at
Former Shell Service Station
4411 Foothill Boulevard
Oakland, CA

Monitoring performed on December 28, 2010

Groundwater Monitoring Report **101228-BP-1**

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

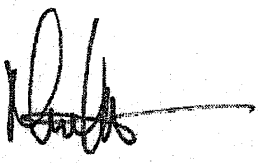
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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

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

Please call if you have any questions.

Yours truly,



Mike Ninokata
Project Manager

MN/np

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

cc: Anni Kreml
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

WELL CONCENTRATIONS
Former Shell Service Station
4411 Foothill Boulevard
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	12/18/1992	41,000	NA	3,100	1,100	1,200	8,700	NA	NA	NA	NA	NA	NA	NA	NA	38.31	9.06	NA	NA
S-1	05/26/1993	39,000	6,000	1,300	4,700	1,500	7,800	NA	NA	NA	NA	NA	NA	NA	NA	38.31	NA	NA	NA
S-1	05/28/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.31	12.13	26.18	NA
S-1	06/03/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.31	8.89	29.42	NA
S-1	06/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.31	8.80	29.51	NA
S-1	09/21/1993	34,000	5,900	480	5,000	3,800	18,000	NA	NA	NA	NA	NA	NA	NA	NA	38.31	10.40	27.91	NA
S-1	12/14/1993	25,000	13,000	1,100	5,000	2,200	11,000	NA	NA	NA	NA	NA	NA	NA	NA	38.31	9.66	28.65	NA
S-1	03/17/1994	57,000	1,600	1,300	5,400	2,100	11,000	NA	NA	NA	NA	NA	NA	NA	NA	38.31	8.20	30.11	NA
S-1	06/16/1994	57,000	3,000	1,600	6,000	2,000	13,000	NA	NA	NA	NA	NA	NA	NA	NA	38.31	9.41	28.90	NA
S-1	09/22/1994	39,000	ND	1,300	2,100	1,500	7,100	NA	NA	NA	NA	NA	NA	NA	NA	38.31	11.13	27.18	NA
S-1 a	12/15/1994	30,000	3,100	1,100	4,700	1,600	10,000	NA	NA	NA	NA	NA	NA	NA	NA	38.31	7.15	31.16	NA
S-1 a,b	03/30/1995	30,000	3,100	1,400	4,000	1,500	11,000	NA	NA	NA	NA	NA	NA	NA	NA	38.31	6.09	32.22	NA
S-1	06/2019/95	28,000	2,100	1,100	2,300	1,100	8,300	NA	NA	NA	NA	NA	NA	NA	NA	38.31	7.30	31.01	NA
S-1	09/20/1995	40,000	2,600	840	3,600	1,300	8,600	NA	NA	NA	NA	NA	NA	NA	NA	38.31	10.02	28.29	NA
S-1 a	12/06/1995	38,000	6,400	920	3,200	1,500	9,400	NA	NA	NA	NA	NA	NA	NA	NA	38.31	11.64	26.67	NA
S-1	03/21/1996	48,000	NA	700	4,200	1,100	8,600	NA	NA	NA	NA	NA	NA	NA	NA	38.31	6.87	31.44	NA
S-1	09/06/1996	41,000	4,100	830	2,600	2,100	12,000	<250	NA	NA	NA	NA	NA	NA	NA	38.31	10.50	27.81	NA
S-1	12/19/1996	40,000	2,500	540	3,100	1,900	9,800	920	NA	NA	NA	NA	NA	NA	NA	38.31	8.24	30.07	NA
S-1	03/17/1997	42,000	4,700	610	2,700	1,700	11,000	3,500	NA	NA	NA	NA	NA	NA	NA	38.31	7.26	31.05	NA
S-1	06/11/1997	28,000	4,000	540	960	1,300	5,300	220	NA	NA	NA	NA	NA	NA	NA	38.31	10.69	27.62	NA
S-1 (D)	06/11/1997	30,000	3,900	580	1,000	1,400	5,400	<125	NA	NA	NA	NA	NA	NA	NA	38.31	10.69	27.62	NA
S-1	09/17/1997	27,000	4,400	310	1,200	1,900	9,000	170	NA	NA	NA	NA	NA	NA	NA	38.31	10.26	28.05	NA
S-1 (D)	09/17/1997	27,000	4,400	270	1,200	1,900	9,000	170	NA	NA	NA	NA	NA	NA	NA	38.31	10.26	28.05	NA
S-1	12/11/1997	21,000	3,400	350	820	1,500	6,500	<125	NA	NA	NA	NA	NA	NA	NA	38.31	6.96	31.35	NA
S-1	03/16/1998	25,000	2,500	250	820	670	5,000	<125	NA	NA	NA	NA	NA	NA	NA	38.31	6.00	32.31	NA
S-1 (D)	03/16/1998	26,000	NA	250	840	720	5,100	<125	NA	NA	NA	NA	NA	NA	NA	38.31	6.00	32.31	5.3/3.7
S-1	06/23/1998	<1,000	230	280	14	23	15	6,100	7,800	NA	NA	NA	NA	NA	NA	38.31	6.31	32.00	3.8/2.4
S-1	09/01/1998	26,000	2,300	370	620	1,300	33	1,400	120	NA	NA	NA	NA	NA	NA	38.31	9.17	29.14	1.4/2.6
S-1	12/30/1998	29,900	1,970	174	732	1,680	5,740	182	NA	NA	NA	NA	NA	NA	NA	38.31	8.99	29.32	1.6/2.0

WELL CONCENTRATIONS
Former Shell Service Station
4411 Foothill Boulevard
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	03/30/1999	14,200	1,150	1,360	260	1,070	3,580	<500	90.0	NA	NA	NA	NA	NA	NA	38.31	6.10	32.21	1.2/1.8
S-1	03/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.31	7.84	30.47	NA
S-1	06/14/1999	20,200	4,280	135	407	825	5,000	705	NA	NA	NA	NA	NA	NA	NA	38.31	7.94	30.37	1.4/2.1
S-1	09/30/1999	18,300	3,120	189	531	1,250	4,740	322	NA	NA	NA	NA	NA	NA	NA	38.31	10.04	28.27	4.3/2.0
S-1	12/22/1999	2,450	444 a	50.2	97.5	139	458	133	NA	NA	NA	NA	NA	NA	NA	38.31	9.42	28.89	1.8/2.3
S-1	03/09/2000	1,230 d	1,200 a	21.2 d	115 d	116 d	411 d	45.1 d	NA	NA	NA	NA	NA	NA	NA	38.30	6.21	32.09	2.0/2.9
S-1	06/20/2000	755	352 a	26.0	48.4	43.1	230	71.5	NA	NA	NA	NA	NA	NA	NA	38.30	9.18	29.12	2.0/2.4
S-1	09/05/2000	2,980	783 a	43.5	117	168	871	192	NA	NA	NA	NA	NA	NA	NA	38.30	10.14	28.16	0.6/0.3
S-1	12/04/2000	399	238 a	5.34	14.6	36.2	106	24.9	NA	NA	NA	NA	NA	NA	NA	38.30	10.10	28.20	8.6/9.8
S-1	12/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.30	9.22	29.08	NA
S-1	03/08/2001	2,940	1,390 a	49.6	52.9	21.8	749	87.6	NA	NA	NA	NA	NA	NA	NA	38.30	5.84	32.46	2.7e
S-1	06/07/2001	10,000	1,400	120	370	680	2,400	150	NA	NA	NA	NA	NA	NA	NA	38.30	8.80	29.50	6.2/2.2
S-1	09/13/2001	240	<200	1.8	8.9	16	53	NA	17	NA	NA	NA	NA	NA	NA	38.30	10.25	28.05	7.8/8.9
S-1	11/19/2001	1,400	<300	14	42	110	260	NA	27	NA	NA	NA	NA	NA	NA	38.30	9.87	28.43	7.7/7.3
S-1	03/18/2002	7,500	<300	40	370	560	2,000	NA	20	NA	NA	NA	NA	NA	NA	38.30	5.08	33.22	5.6/6.1
S-1	06/19/2002	1,000	180	4.7	36	68	250	NA	14	NA	NA	NA	NA	NA	NA	38.30	9.26	29.04	NA
S-1	09/11/2002	2,100	<350	8.1	68	180	820	NA	7.1	NA	NA	NA	NA	NA	NA	38.30	10.54	27.76	6.5
S-1	12/11/2002	4,100	<500	16	93	310	900	NA	<20	NA	NA	NA	NA	NA	NA	38.04	9.97	28.07	8.0
S-1	03/11/2003	14,000	<1,600	71	470	1,000	3,300	NA	<50	NA	NA	NA	NA	NA	NA	38.04	7.31	30.73	5.2
S-1	06/10/2003	1,700	110 a	7.7	44	190	340	NA	4.5	NA	NA	NA	NA	NA	NA	38.04	8.14	29.90	14.0
S-1	09/09/2003	3,200	96 a	11	110	350	1,100	NA	5.8	NA	NA	NA	NA	NA	NA	38.04	9.31	28.73	7.5
S-1	12/09/2003	6,000	1,000 a	20	170	530	1,700	NA	6.1	NA	NA	NA	NA	NA	NA	38.04	7.24	30.80	28.6
S-1	03/09/2004	390	300 a	5.8	30	67	160	NA	5.6	NA	NA	NA	NA	NA	NA	38.04	5.56	32.48	6.4
S-1	06/08/2004	5,600	2,500 a	11	140	660	1,900	NA	5.0	NA	NA	NA	NA	NA	NA	38.04	8.82	29.22	30.0
S-1	09/07/2004	<50	130 i	<0.50	<0.50	<0.50	<1.0	NA	0.75	<2.0	<2.0	<2.0	<5.0	NA	NA	38.04	9.84	28.20	14.4
S-1	12/06/2004	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.04	9.20	28.84	NA
S-1	12/15/2004	560	120 i	2.2	26	67	220	NA	1.4	NA	NA	NA	NA	NA	NA	38.04	5.39	32.65	31.7
S-1	03/07/2005	12,000	460 i	12	310	830	2,600	NA	<5.0	NA	NA	NA	NA	NA	NA	38.04	5.77	32.27	16.1
S-1	06/10/2005	13,000	1,200 i	25	310	1,200	3,300	NA	<10	NA	NA	NA	NA	NA	NA	38.04	5.39	32.65	0.17

WELL CONCENTRATIONS
Former Shell Service Station
4411 Foothill Boulevard
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	05/28/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.51	29.28	NA
S-2	06/03/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.51	29.28	NA
S-2	06/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.57	29.22	NA
S-2	06/29/1993	1,300	NA	290	35	38	130	NA	NA	NA	NA	NA	NA	NA	NA	38.79	NA	NA	NA
S-2	09/21/1993	3,300	NA	870	24	190	120	NA	NA	NA	NA	NA	NA	NA	NA	38.79	10.54	28.25	NA
S-2	12/14/1993	1,300	NA	400	16	36	27	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.76	29.03	NA
S-2	03/17/1994	4,500	NA	610	27	92	110	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.92	28.87	NA
S-2 (D)	03/17/1994	4,000	NA	610	26	93	120	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.92	28.87	NA
S-2	06/16/1994	2,800	NA	690	45	97	140	NA	NA	NA	NA	NA	NA	NA	NA	38.79	10.11	28.68	NA
S-2	09/22/1994	4,000	NA	630	94	64	230	NA	NA	NA	NA	NA	NA	NA	NA	38.79	10.51	28.28	NA
S-2	12/15/1994	1,600	NA	450	300	67	130	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.12	29.67	NA
S-2 b	03/30/1995	8,200	NA	2,800	190	240	700	NA	NA	NA	NA	NA	NA	NA	NA	38.79	7.86	30.93	NA
S-2	06/20/1995	9,600	NA	2,600	160	170	500	NA	NA	NA	NA	NA	NA	NA	NA	38.79	9.51	29.28	NA
S-2	09/20/1995	4,200	NA	920	45	98	140	NA	NA	NA	NA	NA	NA	NA	NA	38.79	10.06	28.73	NA
S-2	12/06/1995	<5,000	NA	790	67	64	130	NA	NA	NA	NA	NA	NA	NA	NA	38.79	10.52	28.27	NA
S-2	03/21/1996	3,700	NA	850	45	96	170	NA	NA	NA	NA	NA	NA	NA	NA	38.79	8.60	30.19	NA
S-2	09/06/1996	2,400	NA	500	33	39	84	490	NA	NA	NA	NA	NA	NA	NA	38.79	10.50	28.29	NA
S-2	12/19/1996	1,200	NA	330	15	24	31	430	NA	NA	NA	NA	NA	NA	NA	38.79	9.40	29.39	NA
S-2	03/17/1997	4,100	NA	780	42	110	120	2,200	NA	NA	NA	NA	NA	NA	NA	38.79	9.82	28.97	NA
S-2	06/11/1997	760	NA	120	<5.0	7.0	7.6	900	NA	NA	NA	NA	NA	NA	NA	38.79	10.18	28.61	NA
S-2	09/17/1997	1,500	NA	230	8.6	40	27	480	NA	NA	NA	NA	NA	NA	NA	38.79	9.90	28.89	NA
S-2	12/11/1997	1,300	NA	240	15	33	57	280	NA	NA	NA	NA	NA	NA	NA	38.79	8.27	30.52	NA
S-2	03/16/1998	1,100	NA	830	48	<10	<10	4,700	4,800	NA	NA	NA	NA	NA	NA	38.79	7.97	30.82	7.0/4.3
S-2	06/23/1998	720	NA	46	6.8	50	68	50	8.8	NA	NA	NA	NA	NA	NA	38.79	8.20	30.59	4.2/3.8
S-2 (D)	06/23/1998	810	NA	49	7.1	50	70	49	8.8	NA	NA	NA	NA	NA	NA	38.79	8.20	30.59	4.2/3.8
S-2	09/01/1998	<2,000	NA	170	<20	<20	<20	9,300	12,000	NA	NA	NA	NA	NA	NA	38.79	9.85	28.94	1.9/1.6
S-2	12/30/1998	<5,000	NA	369	<50	<50	<50	14,300	NA	NA	NA	NA	NA	NA	NA	38.79	9.84	28.95	2.0/1.8
S-2	03/30/1999	<2,000	NA	234	<20.0	27.4	36.9	49,200	53,000	NA	NA	NA	NA	NA	NA	38.79	8.41	30.38	2.1/1.8
S-2	03/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.79	8.67	30.12	NA
S-2	06/14/1999	<1,000	NA	175	<10.0	<10.0	11.1	67,500	NA	NA	NA	NA	NA	NA	NA	38.79	9.80	28.99	NA

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S-2	09/30/1999	678	177 a	135	8.22	14.9	25.8	17,100	17,000 c	NA	NA	NA	NA	NA	NA	38.79	10.58	28.21	5.1/4.8
S-2	12/22/1999	316	142 a	55.8	10.1	5.26	10.4	9,410	8,810	NA	NA	NA	NA	NA	NA	38.79	10.13	28.66	9.6/5.2
S-2	03/09/2000	2,670	630 a	1,190 d	62.7	84.1	125	29,200 d	31,400 c	NA	NA	NA	NA	NA	NA	38.78	7.88	30.90	7.6/5.0
S-2	06/20/2000	<5,000	401 a	348	<50.0	50.4	127	35,800	33,900 c	NA	NA	NA	NA	NA	NA	38.78	10.27	28.51	1.9/2.2
S-2	09/05/2000	<5,000	373 a	106	<50.0	<50.0	<50.0	25,800	37,100 c	NA	NA	NA	NA	NA	NA	38.78	10.19	28.59	0.5/1.6
S-2	12/04/2000	<250	1,730 a	4.37	<2.50	<2.50	<2.50	4,500	5,130 c	NA	NA	NA	NA	NA	NA	38.78	10.30	28.48	10.6/9.4
S-2	12/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.78	9.66	29.12	NA
S-2	03/08/2001	<2,500	<51.3	318	45.7	53.5	88.5	15,500	17,500	NA	NA	NA	NA	NA	NA	38.78	8.57	30.21	2.7e
S-2	06/07/2001	18,000	11,000	450	170	390	2,200	13,000	18,000	NA	NA	NA	NA	NA	NA	38.78	9.39	29.39	1.1/2.0
S-2	09/13/2001	13,000	<5,000	140	110	350	1,400	NA	9,200	NA	NA	NA	NA	NA	NA	38.78	10.34	28.44	11.0/4.5
S-2	11/19/2001	15,000	8,700	71	27	86	330	NA	7,500	NA	NA	NA	NA	NA	NA	38.78	9.90	28.88	5.0/3.1
S-2	03/18/2002	3,700	14,000	93	<20	35	100	NA	7,500	NA	NA	NA	NA	NA	NA	38.78	9.91	28.87	0.9/4.2
S-2	06/19/2002	2,100	<2,000	92	<10	24	50	NA	4,700	NA	NA	NA	NA	NA	NA	38.78	9.98	28.80	NA
S-2	09/11/2002	2,100	<450	54	<5.0	19	55	NA	1,900	NA	NA	NA	NA	NA	NA	38.78	10.25	28.53	3.5
S-2	12/11/2002	570	1,900	9.4	<2.5	7.2	14	NA	1,100	NA	NA	NA	NA	NA	NA	38.47	9.99	28.48	2.0
S-2	03/11/2003	2,900	<1,800	150	5.5	54	84	NA	870	NA	NA	NA	NA	NA	NA	38.47	9.25	29.22	2.4
S-2	06/10/2003	2,200	840 a	83	<5.0	22	52	NA	970	NA	NA	NA	NA	NA	NA	38.47	9.20	29.27	5.0
S-2	09/09/2003	1,200	270 a	57	<2.5	11	33	NA	740	NA	NA	NA	NA	NA	NA	38.47	9.70	28.77	3.7
S-2	12/09/2003	3,100	1,900 a	84	<5.0	45	90	NA	660	NA	NA	NA	NA	NA	NA	38.47	9.31	29.16	24.21
S-2	03/09/2004	1,600	990 a	140	<5.0	31	49	NA	610	NA	NA	NA	NA	NA	NA	38.47	8.24	30.23	2.6
S-2	06/08/2004	640	400 a	40	<2.5	4.2	6.6	NA	460	NA	NA	NA	NA	NA	NA	38.47	9.40	29.07	8.2
S-2	09/07/2004	<100	240 i	6.6	<1.0	1.3	2.3	NA	140	<4.0	<4.0	<4.0	450	NA	NA	38.47	9.78	28.69	2.4
S-2	12/06/2004	260	140 a	26	<1.0	2.0	<2.0	NA	270	NA	NA	NA	NA	NA	NA	38.47	9.45	29.02	8.5
S-2	03/07/2005	2,300	450 i	100	<5.0	11	<10	NA	570	NA	NA	NA	NA	NA	NA	38.47	7.82	30.65	16.7
S-2	06/10/2005	<2,500	550 a	200	<25	<25	<50	NA	630	NA	NA	NA	NA	NA	NA	38.47	8.37	30.10	0.70
S-3	05/28/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.33	8.45	28.88	NA
S-3	06/03/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.33	8.36	28.97	NA
S-3	01/19/1900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.33	8.41	28.92	NA
S-3	06/29/1993	29,000	NA	1,500	1,800	950	6,200	NA	NA	NA	NA	NA	NA	NA	NA	37.33	NA	NA	NA

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S-3	09/21/1993	15,000	NA	900	2,200	2,600	11,000	NA	NA	NA	NA	NA	NA	NA	NA	37.33	10.08	27.25	NA
S-3	12/94/1993	20,000	NA	1,100	2,400	1,800	8,500	NA	NA	NA	NA	NA	NA	NA	NA	37.33	8.80	28.53	NA
S-3	03/17/1994	14,000	NA	580	190	750	1,700	NA	NA	NA	NA	NA	NA	NA	NA	37.33	8.34	28.99	NA
S-3	06/16/1994	20,000	NA	700	690	1,400	4,100	NA	NA	NA	NA	NA	NA	NA	NA	37.33	9.12	28.21	NA
S-3 (D)	06/16/1994	19,000	NA	680	560	1,300	3,700	NA	NA	NA	NA	NA	NA	NA	NA	37.33	NA	NA	NA
S-3	09/22/1994	24,000	NA	630	1,100	1,400	5,700	NA	NA	NA	NA	NA	NA	NA	NA	37.33	10.27	27.06	NA
S-3 (D)	09/22/1994	25,000	NA	720	1,100	1,500	6,100	NA	NA	NA	NA	NA	NA	NA	NA	37.33	NA	NA	NA
S-3	12/15/1994	18,000	NA	520	800	1,100	4,200	NA	NA	NA	NA	NA	NA	NA	NA	37.33	7.81	29.52	NA
S-3 (D)	12/15/1994	23,000	NA	1,000	1,900	2,000	8,600	NA	NA	NA	NA	NA	NA	NA	NA	37.33	NA	NA	NA
S-3 b	03/30/1995	8,800	NA	360	730	700	3,700	NA	NA	NA	NA	NA	NA	NA	NA	37.33	7.06	30.27	NA
S-3 (D)	03/30/1995	7,600	NA	330	570	600	2,600	NA	NA	NA	NA	NA	NA	NA	NA	37.33	NA	NA	NA
S-3	06/20/1995	9,600	NA	510	170	960	1,700	NA	NA	NA	NA	NA	NA	NA	NA	37.33	8.15	29.18	NA
S-3 (D)	06/20/1995	9,800	NA	500	170	950	1,700	NA	NA	NA	NA	NA	NA	NA	NA	37.33	NA	NA	NA
S-3	09/20/1995	21,000	NA	400	560	1,300	4,600	NA	NA	NA	NA	NA	NA	NA	NA	37.33	9.32	28.01	NA
S-3	12/06/1995	24,000	NA	630	1,400	1,400	6,000	NA	NA	NA	NA	NA	NA	NA	NA	37.33	10.53	26.80	NA
S-3 (D)	12/06/1995	22,000	NA	630	1,200	1,400	5,500	NA	NA	NA	NA	NA	NA	NA	NA	37.33	NA	NA	NA
S-3	03/21/1996	9,100	NA	290	110	490	1,600	NA	NA	NA	NA	NA	NA	NA	NA	37.33	7.32	30.01	NA
S-3 (D)	03/21/1996	11,000	NA	310	250	540	2,100	NA	NA	NA	NA	NA	NA	NA	NA	37.33	NA	NA	NA
S-3	09/06/1996	15,000	NA	440	300	1,100	3,000	500	NA	NA	NA	NA	NA	NA	NA	37.33	10.10	27.23	NA
S-3 (D)	09/06/1996	11,000	NA	490	170	820	1,500	700	NA	NA	NA	NA	NA	NA	NA	37.33	NA	NA	NA
S-3	12/19/1996	12,000	NA	600	380	850	2,500	380	NA	NA	NA	NA	NA	NA	NA	37.33	8.36	28.97	NA
S-3 (D)	12/19/1996	12,000	NA	590	380	830	2,500	540	NA	NA	NA	NA	NA	NA	NA	37.33	8.36	28.97	NA
S-3	03/17/1997	12,000	NA	520	140	740	1,400	320	NA	NA	NA	NA	NA	NA	NA	37.33	8.57	28.76	NA
S-3 (D)	03/17/1997	9,600	NA	500	100	680	1,100	<250	NA	NA	NA	NA	NA	NA	NA	37.33	8.57	28.76	NA
S-3	06/11/1997	9,600	NA	510	94	740	1,100	410	NA	NA	NA	NA	NA	NA	NA	37.33	9.26	28.07	NA
S-3	09/17/1997	21,000	NA	140	560	1,800	7,200	130	NA	NA	NA	NA	NA	NA	NA	37.33	9.62	27.71	NA
S-3	12/11/1997	24,000	NA	530	970	1,600	6,900	950	NA	NA	NA	NA	NA	NA	NA	37.33	7.34	29.99	NA
S-3 (D)	12/11/1997	29,000	NA	520	1,000	1,600	7,300	970	NA	NA	NA	NA	NA	NA	NA	37.33	7.34	29.99	NA
S-3	03/16/1998	29,000	NA	840	810	1,700	6,000	<250	NA	NA	NA	NA	NA	NA	NA	37.33	5.75	31.58	3.0/3.4
S-3	06/23/1998	3,800	NA	90	220	240	1,400	<50	NA	NA	NA	NA	NA	NA	NA	37.33	5.98	31.35	4.2/2.0

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S-3	09/01/1998	9,600	NA	480	120	870	1,800	490	<50	NA	NA	NA	NA	NA	NA	37.33	8.98	28.35	1.9/2.8
S-3 (D)	09/01/1998	9,200	NA	420	110	800	1,700	110	<50	NA	NA	NA	NA	NA	NA	37.33	8.98	28.35	1.9/2.8
S-3	12/30/1998	7,660	NA	240	103	410	834	64.9	NA	NA	NA	NA	NA	NA	NA	37.33	9.11	28.22	1.8/1.6
S-3	03/30/1999	2,070	NA	195	10.0	<5.00	48.6	354	64.6	NA	NA	NA	NA	NA	NA	37.33	6.95	30.38	1.3/1.5
S-3	03/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.33	7.48	29.85	NA
S-3	06/14/1999	1,250	NA	37.4	17.4	110	109	118	NA	NA	NA	NA	NA	NA	NA	37.33	8.85	28.48	NA
S-3	09/30/1999	8,270	2,020 a	226	113	686	1,440	184	NA	NA	NA	NA	NA	NA	NA	37.33	9.66	27.67	3.5/2.8
S-3	12/22/1999	9,530	2,270 a	207	132	603	1,450	616	NA	NA	NA	NA	NA	NA	NA	37.33	9.50	27.83	0.98/0.8
S-3	03/09/2000	2,290 d	1,600 a	84.5d	17.0 d	104 d	105 d	29.3 d	NA	NA	NA	NA	NA	NA	NA	37.30	6.25	31.05	1.0/1.4
S-3	06/20/2000	5,570	2,900 a	117	41.6	395	393	354	NA	NA	NA	NA	NA	NA	NA	37.30	9.67	27.63	1.8/2.0
S-3	09/05/2000	6,930	1,600 a	127	85.5	354	535	509	NA	NA	NA	NA	NA	NA	NA	37.30	9.49	27.81	1.1/1.9
S-3	12/04/2000	8,390	1,460 a	217	82.4	471	952	436	NA	NA	NA	NA	NA	NA	NA	37.30	9.23	28.07	1.1/1.5
S-3	12/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.30	9.23	28.07	NA
S-3	03/08/2001	19,400	1,720 a	465	772	1,230	3,830	160	NA	NA	NA	NA	NA	NA	NA	37.30	8.17	29.13	1.1f
S-3	06/07/2001	12,000	1,400	230	110	900	1,100	120	NA	NA	NA	NA	NA	NA	NA	37.30	8.78	28.52	0.8/0.9
S-3	09/13/2001	32,000	<2,000	400	880	2,000	7,000	NA	<100	NA	NA	NA	NA	NA	NA	37.30	9.93	27.37	3.7/2.9
S-3	11/19/2001	26,000	<2,000	160	210	990	4,100	NA	<50	NA	NA	NA	NA	NA	NA	37.30	9.33	27.97	2.9/1.9
S-3	03/18/2002	3,800	810	61	120	130	620	NA	5.0	NA	NA	NA	NA	NA	NA	37.30	7.03	30.27	1.1/4.7
S-3	06/19/2002	3,200	<500	48	81	160	360	NA	9.4	NA	NA	NA	NA	NA	NA	37.30	8.92	28.38	NA
S-3	09/11/2002	16,000	<1,100	230	570	980	3,900	NA	<50	NA	NA	NA	NA	NA	NA	37.30	9.54	27.76	3.0
S-3	12/11/2002	16,000	<1,500	130	270	770	3,000	NA	<50	NA	NA	NA	NA	NA	NA	36.85	9.23	27.62	1.6
S-3	03/11/2003	8,100	<1,500	29	110	190	1,700	NA	<20	NA	NA	NA	NA	NA	NA	36.85	7.32	29.53	3.9
S-3	06/10/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.85	NA	NA	NA
S-3	09/09/2003	5,900	640 a	44	140	130	1,500	NA	4.4	NA	NA	NA	NA	NA	NA	36.85	8.99	27.86	2.2
S-3	12/09/2003	27,000	1,500 a	130	460	550	4,900	NA	<20	NA	NA	NA	NA	NA	NA	36.85	7.67	29.18	1.6
S-3	03/09/2004	11,000	1,700 a	24	100	230	3,200	NA	<5.0	NA	NA	NA	NA	NA	NA	36.85	6.35	30.50	2.1
S-3	06/08/2004	1,700	1,100 a	11	34	29	420	NA	<2.5	NA	NA	NA	NA	NA	NA	36.85	8.25	28.60	0.1
S-3	09/07/2004	850	310 i	13	0.99	23	17	NA	7.0	<2.0	<2.0	<2.0	<5.0	NA	NA	36.85	9.05	27.80	0.1
S-3	12/06/2004	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.85	7.70	29.15	NA
S-3	12/15/2004	620	270 i	1.9	7.8	10	180	NA	<0.50	NA	NA	NA	NA	NA	NA	36.85	5.83	31.02	2.4

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S-3	03/07/2005	4,500	400 i	<0.50	7.7	30	350	NA	<0.50	NA	NA	NA	NA	NA	NA	36.85	4.58	32.27	4.4
S-3	06/10/2005	850	130 a	<0.50	1.3	7.4	53	NA	<0.50	NA	NA	NA	NA	NA	NA	36.85	5.40	31.45	0.17
S-4	03/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.06	8.37	30.69	NA
S-4	03/31/2000	20,900	5,780 a	4,570	272	595	997	4,490	4,450 c	NA	NA	NA	NA	NA	NA	39.06	8.92	30.14	1.8/1.2
S-4	06/20/2000	19,500	244a	4,590	309	723	1,290	3,740	NA	NA	NA	NA	NA	NA	NA	39.06	8.77	30.29	2.7/2.9
S-4	09/05/2000	5,760	1,670 a	841	54.2	162	115	1,040	NA	NA	NA	NA	NA	NA	NA	39.06	10.57	28.49	1.3/0.3
S-4	12/04/2000	3,990	1,050 a	949	<10.0	118	48.3	1,120	NA	NA	NA	NA	NA	NA	NA	39.06	10.67	28.39	1.1/1.0
S-4	12/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.06	10.64	28.42	NA
S-4	03/08/2001	20,100	5,840 a	5,210	105	381	281	2,520	NA	NA	NA	NA	NA	NA	NA	39.06	8.44	30.62	1.0/0.9
S-4	06/07/2001	11,000	3,500	2,500	86	370	170	2,000	NA	NA	NA	NA	NA	NA	NA	39.06	10.57	28.49	0.7/0.6
S-4	09/13/2001	4,200	<800	790	14	110	48	NA	690	NA	NA	NA	NA	NA	NA	39.06	11.27	27.79	3.8/3.9
S-4	11/19/2001	2,300	<600	230	4.1	21	22	NA	590	NA	NA	NA	NA	NA	NA	39.06	10.83	28.23	3.6/1.6
S-4	03/18/2002	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.06	8.75	30.31	NA
S-4	03/29/2002	14,000	NA	1,700	30	280	250	NA	960	NA	NA	NA	NA	NA	NA	39.06	8.85 g	30.21	3.0/3.1
S-4	06/19/2002	4,700	<1,500	620	9.5	84	37	NA	490	NA	NA	NA	NA	NA	NA	NA	10.37 h	NA	NA
S-4	09/11/2002	2,700	280	280	4.6	23	13	NA	410	NA	NA	NA	NA	NA	NA	NA	11.14	NA	0.6
S-4	12/11/2002	3,300	<900	320	5.7	24	15	NA	420	NA	NA	NA	NA	NA	NA	38.69	10.78	27.91	2.2
S-4	03/11/2003	12,000	<5,600	1,900	63	360	280	NA	930	NA	NA	NA	NA	NA	NA	38.69	9.31	29.38	1.5
S-4	06/10/2003	13,000	3,100 a	2,400	86	650	380	NA	1,100	NA	NA	NA	NA	NA	NA	38.69	9.77	28.92	0.8
S-4	09/09/2003	3,700	1,700 a	510	12	43	43	NA	650	NA	NA	NA	NA	NA	NA	38.69	10.78	27.91	0.9
S-4	12/09/2003	3,900	390 a	150	4.2	7.5	13	NA	510	NA	NA	NA	NA	NA	NA	38.69	10.20	28.49	0.1
S-4	03/09/2004	13,000	3,100 a	2,500	110	810	1,100	NA	1,100	NA	NA	NA	NA	NA	NA	38.69	7.67	31.02	0.7
S-4	06/08/2004	6,100	1,400 a	870	30	120	150	NA	420	NA	NA	NA	NA	NA	NA	38.69	10.27	28.42	0.3
S-4	09/07/2004	3,100	890 i	290	6.4	18	14	NA	250	<10	<10	<10	140	NA	NA	38.69	10.91	27.78	0.1
S-4	12/06/2004	4,900	670 i	520	9.9	38	24	NA	290	NA	NA	NA	NA	NA	NA	38.69	10.03	28.66	0.2
S-4	03/07/2005	28,000	2,900 i	2,300	130	690	770	NA	770	NA	NA	NA	NA	NA	NA	38.69	6.20	32.49	0.2
S-4	06/10/2005	13,000	2,700 i	1,900	81	380	460	NA	890	NA	NA	NA	NA	NA	NA	38.69	8.90	29.79	0.15
S-5	05/31/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.54	NA	NA

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S-5	06/19/2002	16,000	<2,000	2,600	320	180	1,600	NA	5,300	NA	NA	NA	NA	NA	NA	NA	9.87	NA	NA
S-5	09/11/2002	8,800	<1,200	1,500	64	89	120	NA	5,600	NA	NA	NA	NA	NA	NA	NA	10.28	NA	0.9
S-5	12/11/2002	4,400	<1,000	280	61	130	130	NA	4,000	NA	NA	NA	NA	NA	NA	NA	9.87	NA	2.9
S-5	03/11/2003	2,300	<900	28	5.6	59	15	NA	2,400	NA	NA	NA	NA	NA	NA	38.05	8.26	29.79	1.6
S-5	06/10/2003	2,400	620 a	11	7.2	56	38	NA	1,100	NA	NA	NA	NA	NA	NA	38.05	8.51	29.54	0.1
S-5	09/09/2003	3,700	660 a	23	14	44	150	NA	440	NA	NA	NA	NA	NA	NA	38.05	9.44	28.61	0.1
S-5	12/09/2003	12,000	600 a	200	80	41	320	NA	580	NA	NA	NA	NA	NA	NA	38.05	9.50	28.55	0.4
S-5	03/09/2004	2,300	550 a	130	3.5	6.9	13	NA	250	NA	NA	NA	NA	NA	NA	38.05	7.04	31.01	0.2
S-5	06/08/2004	2,900	490 a	11	<2.5	8.9	18	NA	120	NA	NA	NA	NA	NA	NA	38.05	8.87	29.18	0.2
S-5	09/07/2004	3,600	650 i	17	11	12	30	NA	120	<10	<10	<10	3,700	NA	NA	38.05	9.45	28.60	0.1
S-5	12/06/2004	4,700	460 i	99	28	14	69	NA	180	NA	NA	NA	NA	NA	NA	38.05	8.75	29.30	0.1
S-5	03/07/2005	4,700	360 i	440	<2.5	<2.5	<5.0	NA	200	NA	NA	NA	NA	NA	NA	38.05	7.28	30.77	0.1
S-5	06/10/2005	1,200	240 i	1.3	<0.50	<0.50	1.2	NA	80	NA	NA	NA	NA	NA	NA	38.05	7.26	30.79	0.25
S-6	02/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.86	8.18	29.68	NA
S-6	03/02/2007	5,100 k	1,700 j	630 k	23	200	110	NA	140	NA	NA	NA	280	13	<0.50	37.86	7.73	30.13	NA
S-6	05/23/2007	5,600 l	2,600 j	510	16	11	144	NA	72	NA	NA	NA	66	<2.5	<5.0	37.86	8.13	29.73	NA
S-6	08/28/2007	13,000 l	6,100 j,m	650	32	480	242	NA	78	6.1	<10	<10	320	<2.5	<5.0	37.86	8.44	29.42	NA
S-6	11/13/2007	19,000 l	6,400 j,m	760	47	500	602	NA	68	NA	NA	NA	340	<5.0	<10	37.86	8.78	29.08	NA
S-6	02/08/2008	6,800 l	2,200 j,m	380	14	130	87.0	NA	75	NA	NA	NA	200	<2.5	<5.0	37.86	7.06	30.80	NA
S-6	05/20/2008	12,000 l	2,900 j,m	590	21	270	60	NA	54	NA	NA	NA	240	<2.5	<5.0	37.86	8.60	29.26	NA
S-6	08/12/2008	22,000	7,100 j,m	890	75	450	1,170	NA	71	<20	<20	<20	200	<5.0	<10	37.86	9.21	28.65	NA
S-6	12/02/2008	26,000	4,600 j,m	1,500	170	670	1,500	NA	87	NA	NA	NA	260	<5.0	<10	37.86	8.72	29.14	NA
S-6	02/05/2009	29,000	5,200 j,m	1,200	210	910	3,400	NA	78	NA	NA	NA	230	<5.0	<10	37.86	9.19	28.67	NA
S-6	05/19/2009	8,600	1,900 j,m	660	22	120	110	NA	94	NA	NA	NA	460	<5.0	<10	37.86	8.26	29.60	NA
S-6	09/29/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.86	6.70	31.16	NA
S-6	12/23/2009	4,800	1,800 j,m	550	12	38	16	NA	170	<20	<20	<20	290	<5.0	<10	37.86	6.01	31.85	NA
S-6	03/16/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.86	5.65	32.21	NA
S-6	06/21/2010	8,300	2,700 j,m	360	11	67	56	NA	130	NA	NA	NA	250	<2.5	<5.0	37.86	8.89	28.97	NA
S-6	**12/28/2010**	**6,100**	**2,200 j,m**	**290**	**11**	**60**	**41**	**NA**	**49**	**5.5**	**<4.0**	**<4.0**	**210**	**<1.0**	**<2.0**	**37.86**	**7.63**	**30.23**	**NA**

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S-7	02/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.58	7.39	30.19	NA
S-7	03/02/2007	100,000 k	2,500 j	32,000 k	9,700 k	2,900 k	14,000 k	NA	310 k	NA	NA	NA	480	150	<0.50	37.58	7.42	30.16	NA
S-7	05/23/2007	82,000 l,m	3,700 j	24,000	8,100	2,800	13,000	NA	190	NA	NA	NA	<200	<10	<20	37.58	8.38	29.20	NA
S-7	08/28/2007	96,000 l	4,500 j,m	23,000	7,000	2,900	12,200	NA	190 n	<400	<400	<400	<2,000	<100	<200	37.58	9.32	28.26	NA
S-7	11/13/2007	100,000 l	25,000 j,m	22,000	6,500	3,000	12,400	NA	<200	NA	NA	NA	<2,000	<100	<200	37.58	9.60	27.98	NA
S-7	02/08/2008	74,000 l	4,000 j,m	29,000	9,300	3,100	13,700	NA	500	NA	NA	NA	<2,000	<100	<200	37.58	6.57	31.01	NA
S-7	05/20/2008	69,000 l	1,600 j,m	20,000	5,500	2,500	9,800	NA	260	NA	NA	NA	<2,000	<100	<200	37.58	9.00	28.58	NA
S-7	08/12/2008	120,000	4,900 j,m	25,000	8,400	2,800	11,700	NA	<200	<400	<400	<400	<2,000	<100	<200	37.58	9.81	27.77	NA
S-7	12/02/2008	120,000	4,300 j,m	24,000	8,400	3,600	15,000	NA	320	NA	NA	NA	<2,000	<100	<200	37.58	9.91	27.67	NA
S-7	02/05/2009	99,000	3,800 j,m	25,000	7,600	2,500	12,000	NA	370	NA	NA	NA	<2,000	<100	<200	37.58	9.30	28.28	NA
S-7	05/19/2009	64,000	3,300 j,m	16,000	4,400	2,100	7,100	NA	250	NA	NA	NA	<2,000	<100	<200	37.58	8.30	29.28	NA
S-7	09/29/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.57	6.13	31.44	NA
S-7	12/23/2009	98,000	3,900 j,m	25,000	7,100	2,100	9,000	NA	400	<400	<400	<400	<2000	<100	<200	37.57	5.32	32.25	NA
S-7	03/16/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.57	4.82	32.75	NA
S-7	06/21/2010	42,000	2,400 j,m	11,000	2,300	1,300	4,600	NA	180	NA	NA	NA	<1,000	<50	<100	37.57	8.19	29.38	NA
S-7	**12/28/2010**	**48,000**	**3,500 j,m**	**13,000**	**3,700**	**1,800**	**7,200**	**NA**	**160**	**<200**	**<200**	**<200**	**<1,000**	**<50**	**<100**	**37.57**	**7.05**	**30.52**	**NA**
S-8	02/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.05	6.65	30.40	NA
S-8	03/02/2007	72,000 k	2,300 j	12,000 k	5,600 k	2,900 k	15,000 k	NA	120	NA	NA	NA	230	150	<2.5	37.05	6.60	30.45	NA
S-8	05/23/2007	69,000 l,m	5,800 j	12,000	6,700	3,100	19,500	NA	160	NA	NA	NA	280	<10	<20	37.05	7.91	29.14	NA
S-8	08/28/2007	69,000 l	6,700 j,m	11,000	4,800	3,100	16,800	NA	170	<200	<200	<200	<1,000	<50	<100	37.05	8.79	28.26	NA
S-8	11/13/2007	84,000 l	21,000 j,m	10,000	5,000	3,300	18,300	NA	290	NA	NA	NA	<1,000	<50	<100	37.05	8.93	28.12	NA
S-8	02/08/2008	54,000 l	4,500 j,m	11,000	5,500	3,500	18,200	NA	200	NA	NA	NA	<1,000	<50	<100	37.05	6.26	30.79	NA
S-8	05/20/2008	67,000 l	2,200 j,m	10,000	5,400	3,900	19,600	NA	160	NA	NA	NA	<1,000	<50	<100	37.05	7.40	29.65	NA
S-8	08/12/2008	77,000	5,200 j,m	9,300	3,200	2,500	14,300	NA	210	<200	<200	<200	<1,000	<50	<100	37.05	9.10	27.95	NA
S-8	12/02/2008	70,000	3,600 j,m	9,500	2,700	2,500	12,300	NA	290	NA	NA	NA	1,200	<50	<100	37.05	9.39	27.66	NA
S-8	02/05/2009	74,000	3,500 j,m	10,000	3,500	2,600	15,000	NA	240	NA	NA	NA	<1,000	<50	<100	37.05	8.75	28.30	NA
S-8	05/19/2009	69,000	340 j,m	8,200	3,700	2,900	14,000	NA	<100	NA	NA	NA	<1,000	<50	<100	37.05	7.56	29.49	NA
S-8	09/29/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.05	5.82	31.23	NA

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S-8	12/23/2009	58,000	4,400 j,m	7,800	2,000	2,100	11,000	NA	170	<200	<200	<200	<1000	<50	<100	37.05	7.02	30.03	NA
S-8	03/16/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.05	4.26	32.79	NA
S-8	06/21/2010	74,000	3,900 j,m	11,000	3,900	3,000	15,000	NA	160	NA	NA	NA	<1,000	<50	<100	37.05	7.77	29.28	NA
S-8	**12/28/2010**	**57,000**	**4,900 j,m**	**8,700**	**2,700**	**2,900**	**14,000**	**NA**	**200**	**<200**	**<200**	**<200**	**<1,000**	**<50**	**<100**	**37.05**	**6.93**	**30.12**	**NA**
S-9	02/22/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.52	7.59	29.93	NA
S-9	03/02/2007	12,000	1,400 j	150	200	1,200	2,500	NA	5.8	NA	NA	NA	<50	<5.0	<5.0	37.52	7.30	30.22	NA
S-9	05/23/2007	8,200 l	2,300 j	13	38	2.5 n	1,453	NA	5.2 n	NA	NA	NA	<100	<5.0	<10	37.52	8.43	29.09	NA
S-9	08/28/2007	9,500 l	2,800 j,m	21	49	540	789	NA	<10	<20	<20	<20	<100	<5.0	<10	37.52	9.59	27.93	NA
S-9	11/13/2007	12,000 l	2,100 j,m	19	35	450	499	NA	<10	NA	NA	NA	<100	<5.0	<10	37.52	9.91	27.61	NA
S-9	02/08/2008	10,000 l	1,900 j,m	18	67	1,100	1,451	NA	<10	NA	NA	NA	<100	<5.0	<10	37.52	6.40	31.12	NA
S-9	05/20/2008	11,000 l	1,500 j,m	150	770	13,000	17,460	NA	<100	NA	NA	NA	<1,000	<50	<100	37.52	8.79	28.73	NA
S-9	08/12/2008	9,400	2,000 j,m	16	59	700	834	NA	<10	<20	<20	<20	<100	<5.0	<10	37.52	10.00	27.52	NA
S-9	12/02/2008	14,000	1,300 j,m	10	62	980	1,139	NA	<10	NA	NA	NA	<100	<5.0	<10	37.52	10.22	27.30	NA
S-9	02/05/2009	6,300	1,400 j.m	11	33	480	600	NA	<10	NA	NA	NA	<100	<5.0	<10	37.52	9.49	28.03	NA
S-9	05/19/2009	12,000	1,500 j,m	11	64	940	880	NA	<5.0	NA	NA	NA	<50	<2.5	<5.0	37.52	8.20	29.32	NA
S-9	09/29/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.52	5.51	32.01	NA
S-9	12/23/2009	890	200 j,m	1.4	<1.0	16	14	NA	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	37.52	4.61	32.91	NA
S-9	03/16/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.52	5.95	31.57	NA
S-9	06/21/2010	1,300	520 j,m	2.4	4.2	180	26	NA	<1.0	NA	NA	NA	<10	<0.50	<1.0	37.52	8.29	29.23	NA
S-9	**12/28/2010**	**7,200**	**1,100 j,m**	**3.8**	**12**	**650**	**510**	**NA**	**<5.0**	**<10**	**<10**	**<10**	**<50**	**<2.5**	**<5.0**	**37.52**	**7.04**	**30.48**	**NA**
S-10	09/22/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	37.43	4.98	32.45	NA
S-10	09/29/2009	320	<50 j	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	<0.50	<1.0	37.43	5.07	32.36	NA
S-10	12/23/2009	<50	<50 j	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	37.43	4.48	32.95	NA
S-10	03/16/2010	140	<50 j	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	<0.50	<1.0	37.43	4.47	32.96	NA
S-10	06/21/2010	130	<50 j	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	<0.50	<1.0	37.43	8.28	29.15	NA
S-10	**12/28/2010**	**140**	**<50 j**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<0.50**	**<1.0**	**37.43**	**7.09**	**30.34**	**NA**
S-11	09/22/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.44	4.50	31.94	NA

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S-11	09/29/2009	<50	<50 j	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	<0.50	<1.0	36.44	3.88	32.56	NA
S-11	12/23/2009	<50	<50 j	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	<0.50	<1.0	36.44	3.71	32.73	NA
S-11	03/16/2010	<50	<50 j	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	<0.50	<1.0	36.44	3.30	33.14	NA
S-11	06/21/2010	<50	<50 j	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	<0.50	<1.0	36.44	7.49	28.95	NA
S-11	**12/28/2010**	**<50**	**<50 j**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<0.50**	**<1.0**	**36.44**	**5.96**	**30.48**	**NA**
S-12	09/22/2009	Unable to access		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.00	NA	NA	NA
S-12	09/25/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.00	5.10	30.90	NA
S-12	09/29/2009	280	91 j,m	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	<0.50	<1.0	36.00	3.62	32.38	NA
S-12	12/23/2009	340	120 j,m	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	15	<0.50	<1.0	36.00	2.91	33.09	NA
S-12	03/16/2010	78	<50 j	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	<0.50	<1.0	36.00	2.78	33.22	NA
S-12	06/21/2010	380	210 j, m	7.6	<1.0	<1.0	<1.0	NA	4.8	NA	NA	NA	50	<0.50	<1.0	36.00	8.48	27.52	NA
S-12	**12/28/2010**	**410**	**81 j**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**NA**	**<1.0**	**2.4**	**<2.0**	**<2.0**	**30**	**<0.50**	**<1.0**	**36.00**	**5.60**	**30.40**	**NA**
BW-A	09/30/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.55	NA	2.3
BW-A	12/22/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.52	NA	2.2
BW-A	03/09/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.99	NA	1.5
BW-A	06/20/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.69	NA	2.4
BW-A	09/05/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.43	NA	1.0
BW-A	12/04/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.96	NA	1.3
BW-A	12/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.71	NA	NA
BW-A	03/08/2001	<2,500	1,370 a	46.6	<25.0	<25.0	<25.0	10,600	11,700	NA	NA	NA	NA	NA	NA	NA	6.38	NA	0.9/1.4
BW-A	06/07/2001	1,100	960	<10	<10	<10	17	7,200	NA	NA	NA	NA	NA	NA	NA	NA	9.82	NA	3.6/0.8
BW-A	09/13/2001	<2,000	460	<20	<20	<20	<50	NA	13,000	NA	NA	NA	NA	NA	NA	NA	10.49	NA	3.3/1.7
BW-A	11/19/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.89	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
4411 Foothill Boulevard
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to September 13, 2001, analyzed 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 September 13, 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

1,2-DCA = 1,2-Dichloroethane, analyzed by EPA Method 8260B

EDB = Ethylene Dibromide, analyzed by EPA Method 8260B

TOB = Top of Box Elevation

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

(D) = Duplicate sample

n/n = Pre-purge/Post-purge

NA = Not applicable

WELL CONCENTRATIONS
Former Shell Service Station
4411 Foothill Boulevard
Oakland, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = Chromatogram pattern indicates an unidentified hydrocarbon/Hydrocarbon does not match pattern of laboratory's standard.

b = National Environmental Testing, Inc. (NET), analyzed within hold time but further dilutions were required and analyzed out of hold time. NET suggests that these should be considered minimum concentrations.

c = Sample analyzed outside the EPA recommended holding times.

d = Result reported was generated out of hold time.

e = Post-purge DO reading.

f = Pre-purge DO reading.

g = Estimated depth to water from top of box; TOB determined by using the survey data from February 3, 2000 for the difference between TOB and TOC.

h = Estimated depth to water from TOB. Wellbox was destroyed. No new survey.

i = Hydrocarbon reported is in the early Diesel range and does not match the laboratory's standard.

j = Diesel with Silica gel clean-up.

k = Initial analysis within holding time. Reanalysis for the required dilution or confirmation was past holding time.

l = Analyzed by EPA Method 8015B (M).

m = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

n = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

Wells S-1 through S-4 surveyed February 3, 2000 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-1 through S-4 surveyed March 5, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Beginning December 12, 2002, depth to water referenced to Top of Casing elevation.

Well S-5 surveyed May 29, 2003 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-6 through S-9 surveyed February 21, 2007 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-6 through S-12 surveyed October 26, 2009 by Virgil Chavez Land Surveying of Vallejo, CA.

Calscience
Environmental
Laboratories, Inc.

January 12, 2011

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

Subject: **Calscience Work Order No.: 10-12-2333**
Client Reference: 4411 Foothill Blvd., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/30/2010 and analyzed in accordance with the attached chain-of-custody.

Calscience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Xuan H. Dang
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	12/30/10
Work Order No:	10-12-2333
Preparation:	EPA 3510C
Method:	EPA 8015B

Project: 4411 Foothill Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	10-12-2333-1-D	12/28/10 10:15	Aqueous	GC 45	01/03/11	01/04/11 05:38	110103B09

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	2200	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	104	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-7	10-12-2333-2-D	12/28/10 11:45	Aqueous	GC 45	01/03/11	01/04/11 05:53	110103B09

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	3500	250	5		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8	10-12-2333-3-D	12/28/10 12:00	Aqueous	GC 45	01/03/11	01/04/11 06:09	110103B09

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	4900	250	5		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	102	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	12/30/10
Work Order No:	10-12-2333
Preparation:	EPA 3510C
Method:	EPA 8015B

Project: 4411 Foothill Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-12-2333-4-D	12/28/10 11:15	Aqueous	GC 45	01/03/11	01/04/11 06:24	110103B09

Comment(s): -The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.
-The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	1100	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10	10-12-2333-5-G	12/28/10 08:45	Aqueous	GC 45	01/03/11	01/04/11 06:39	110103B09

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	85	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-11	10-12-2333-6-D	12/28/10 08:30	Aqueous	GC 45	01/03/11	01/04/11 06:55	110103B09

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	10-12-2333-7-D	12/28/10 09:00	Aqueous	GC 45	01/03/11	01/04/11 07:10	110103B09

Comment(s): -The sample extract was subjected to Silica Gel treatment prior to analysis.

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	81	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	86	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	12/30/10
Work Order No:	10-12-2333
Preparation:	EPA 3510C
Method:	EPA 8015B

Project: 4411 Foothill Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-1,983**	**N/A**	**Aqueous**	**GC 45**	**01/03/11**	**01/04/11 02:32**	**110103B09**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	78	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/30/10
Work Order No: 10-12-2333
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 4411 Foothill Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	10-12-2333-1-B	12/28/10 10:15	Aqueous	GC/MS RR	01/04/11	01/05/11 05:44	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	290	1.0	2		Methyl-t-Butyl Ether (MTBE)	49	2.0	2	
1,2-Dibromoethane	ND	2.0	2		Tert-Butyl Alcohol (TBA)	210	20	2	
1,2-Dichloroethane	ND	1.0	2		Diisopropyl Ether (DIPE)	5.5	4.0	2	
Ethylbenzene	60	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
Toluene	11	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
Xylenes (total)	41	2.0	2		TPPH	6100	100	2	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	80-126			1,2-Dichloroethane-d4	89	80-134		
Toluene-d8-TPPH	98	88-112			Toluene-d8	98	80-120		
1,4-Bromofluorobenzene	93	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-7	10-12-2333-2-B	12/28/10 11:45	Aqueous	GC/MS RR	01/04/11	01/05/11 06:11	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	13000	50	100		Methyl-t-Butyl Ether (MTBE)	160	100	100	
1,2-Dibromoethane	ND	100	100		Tert-Butyl Alcohol (TBA)	ND	1000	100	
1,2-Dichloroethane	ND	50	100		Diisopropyl Ether (DIPE)	ND	200	100	
Ethylbenzene	1800	100	100		Ethyl-t-Butyl Ether (ETBE)	ND	200	100	
Toluene	3700	100	100		Tert-Amyl-Methyl Ether (TAME)	ND	200	100	
Xylenes (total)	7200	100	100		TPPH	48000	5000	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	80-126			1,2-Dichloroethane-d4	88	80-134		
Toluene-d8	94	80-120			Toluene-d8-TPPH	93	88-112		
1,4-Bromofluorobenzene	95	80-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8	10-12-2333-3-B	12/28/10 12:00	Aqueous	GC/MS RR	01/04/11	01/05/11 06:37	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	8700	50	100		Methyl-t-Butyl Ether (MTBE)	200	100	100	
1,2-Dibromoethane	ND	100	100		Tert-Butyl Alcohol (TBA)	ND	1000	100	
1,2-Dichloroethane	ND	50	100		Diisopropyl Ether (DIPE)	ND	200	100	
Ethylbenzene	2900	100	100		Ethyl-t-Butyl Ether (ETBE)	ND	200	100	
Toluene	2700	100	100		Tert-Amyl-Methyl Ether (TAME)	ND	200	100	
Xylenes (total)	14000	100	100		TPPH	57000	5000	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	80-126			1,2-Dichloroethane-d4	91	80-134		
Toluene-d8-TPPH	94	88-112			Toluene-d8	95	80-120		
1,4-Bromofluorobenzene	97	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/30/10
Work Order No: 10-12-2333
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 4411 Foothill Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-12-2333-4-B	12/28/10 11:15	Aqueous	GC/MS RR	01/04/11	01/05/11 07:03	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.8	2.5	5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	5	
1,2-Dibromoethane	ND	5.0	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
1,2-Dichloroethane	ND	2.5	5		Diisopropyl Ether (DIPE)	ND	10	5	
Ethylbenzene	650	5.0	5		Ethyl-t-Butyl Ether (ETBE)	ND	10	5	
Toluene	12	5.0	5		Tert-Amyl-Methyl Ether (TAME)	ND	10	5	
Xylenes (total)	510	5.0	5		TPPH	7200	250	5	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	93	80-126			1,2-Dichloroethane-d4	91	80-134		
Toluene-d8-TPPH	96	88-112			Toluene-d8	97	80-120		
1,4-Bromofluorobenzene	99	80-120							

S-10	10-12-2333-5-B	12/28/10 08:45	Aqueous	GC/MS RR	01/04/11	01/05/11 07:30	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	140	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	94	80-126			1,2-Dichloroethane-d4	92	80-134		
Toluene-d8	96	80-120			Toluene-d8-TPPH	95	88-112		
1,4-Bromofluorobenzene	92	80-120							

S-11	10-12-2333-6-B	12/28/10 08:30	Aqueous	GC/MS RR	01/04/11	01/05/11 07:56	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	80-126			1,2-Dichloroethane-d4	93	80-134		
Toluene-d8	97	80-120			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	93	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 12/30/10
Work Order No: 10-12-2333
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 4411 Foothill Blvd., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	10-12-2333-7-B	12/28/10 09:00	Aqueous	GC/MS RR	01/04/11	01/05/11 08:22	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	30	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	2.4	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	410	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	80-126			1,2-Dichloroethane-d4	93	80-134		
Toluene-d8-TPPH	106	88-112			Toluene-d8	106	80-120		
1,4-Bromofluorobenzene	90	80-120							

Method Blank	099-12-767-5,134	N/A	Aqueous	GC/MS RR	01/04/11	01/05/11 01:47	110104L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		TPPH	ND	50	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	80-126			1,2-Dichloroethane-d4	90	80-134		
Toluene-d8	97	80-120			Toluene-d8-TPPH	96	88-112		
1,4-Bromofluorobenzene	91	80-120							

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 12/30/10
Work Order No: 10-12-2333
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project 4411 Foothill Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-12-2248-1	Aqueous	GC/MS RR	01/04/11	01/05/11	110104S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	90	90	78-120	1	0-20	
Carbon Tetrachloride	78	80	67-139	3	0-20	
Chlorobenzene	94	95	80-120	1	0-20	
1,2-Dibromoethane	96	97	80-123	1	0-20	
1,2-Dichlorobenzene	93	94	76-120	1	0-20	
1,2-Dichloroethane	96	96	76-130	0	0-20	
1,1-Dichloroethene	86	86	70-130	0	0-27	
Ethylbenzene	91	91	73-127	0	0-20	
Toluene	89	90	72-126	0	0-20	
Trichloroethene	92	93	74-122	1	0-20	
Vinyl Chloride	94	90	65-131	4	0-24	
Methyl-t-Butyl Ether (MTBE)	77	78	69-123	1	0-20	
Tert-Butyl Alcohol (TBA)	95	97	65-131	2	0-22	
Diisopropyl Ether (DIPE)	102	103	68-128	0	0-22	
Ethyl-t-Butyl Ether (ETBE)	86	87	69-123	1	0-21	
Tert-Amyl-Methyl Ether (TAME)	82	83	70-124	2	0-20	
Ethanol	121	122	41-155	1	0-35	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-2333
Preparation: EPA 3510C
Method: EPA 8015B

Project: 4411 Foothill Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-1,983	Aqueous	GC 45	01/03/11	01/04/11	110103B09

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	79	83	75-117	5	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-12-2333
Preparation: EPA 5030C
Method: LUFT GC/MS / EPA 8260B

Project: 4411 Foothill Blvd., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-5,134	Aqueous	GC/MS RR	01/04/11	01/05/11	110104L02

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	90	92	80-120	73-127	1	0-20	
Carbon Tetrachloride	79	81	66-138	54-150	3	0-20	
Chlorobenzene	96	96	80-120	73-127	1	0-20	
1,2-Dibromoethane	96	96	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	95	95	80-120	73-127	0	0-20	
1,2-Dichloroethane	96	96	80-129	72-137	1	0-20	
1,1-Dichloroethene	87	87	71-131	61-141	1	0-20	
Ethylbenzene	93	92	80-123	73-130	0	0-20	
Toluene	91	90	79-121	72-128	1	0-20	
Trichloroethene	98	96	80-120	73-127	2	0-20	
Vinyl Chloride	94	93	70-136	59-147	1	0-20	
Methyl-t-Butyl Ether (MTBE)	79	79	72-126	63-135	1	0-22	
Tert-Butyl Alcohol (TBA)	92	95	71-125	62-134	3	0-25	
Diisopropyl Ether (DIPE)	105	105	69-129	59-139	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	88	88	69-129	59-139	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	83	84	67-133	56-144	2	0-20	
Ethanol	126	126	47-155	29-173	0	0-36	
TPPH	83	81	65-135	53-147	3	0-30	

Total number of LCS compounds : 18
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-12-2333

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
- ☑ CALSCIENCE (_____)
- ☐ SPL (_____)
- ☐ XENCO (_____)
- ☐ TEST AMERICA (_____)
- ☐ OTHER (_____)

Please Check Appropriate Box:
- ☐ ENV. SERVICES
- ☐ MOTIVA RETAIL
- ☐ SHELL RETAIL
- ☐ MOTIVA SD&CM
- ☑ CONSULTANT
- ☐ LUBES
- ☐ SHELL PIPELINE
- ☐ OTHER

Print Bill To Contact Name: Peter Schaefer 240897

INCIDENT # (ENV SERVICES): 98995746 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 12/28/10

PAGE: 1 of 1

PO # / SAP #

SAMPLING COMPANY: Blaine Tech Services

LOG CODE: BTSS

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

SITE ADDRESS: Street and City: 4411 Foothill Blvd., Oakland

State: CA

GLOBAL ID NO.: T0600101065

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata - Copy to Shell.Lab.Billing@craworld,com

EDF DELIVERABLE TO (Name, Company, Office Location): Anni Kreml, CRA, Emeryville

PHONE NO.: (510) 420-3335

E-MAIL: Shelledf@craworld.com

CONSULTANT PROJECT NO.: BTS # 101228-BK1

TELEPHONE: (408)573-0555

FAX: (408)573-7771

E-MAIL: mninokata@blainetech.com

SAMPLER NAME(S) (Print): Ben Pawell

LAB USE ONLY: 10-12-2333

TURNAROUND TIME (CALENDAR DAYS):
- ☑ STANDARD (14 DAY)
- ☐ 5 DAYS
- ☐ 3 DAYS
- ☐ 2 DAYS
- ☐ 24 HOURS
- ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

Run TPH-d w/Silica Gel Clean Up

- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMBURSEMENT RATE APPLIES
- ☐ EDD NOT NEEDED
- ☑ RECEIPT VERIFICATION REQUESTED

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TEMPERATURE ON RECEIPT C° / Container PID Readings or Laboratory Notes
1	S-6	12/29/10	0815	W	X			X		5	X	X	X	X	X	X				X	X			
2	S-7	12/29/10	1145	W	X			X		5	X	X	X	X	X	X				X	X			
3	S-8	12/29/10	1200	W	X			X		5	X	X	X	X	X	X				X	X			
4	S-9	12/29/10	1115	W	X			X		5	X	X	X	X	X	X				X	X			
5	S-10	12/29/10	0845	W	X			X		8	X	X	X	X	X	X				X	X			
6	S-11	12/29/10	0830	W	X			X		5	X	X	X	X	X	X				X	X			
7	S-12	12/29/10	0900	W	X			X		5	X	X	X	X	X	X				X	X			

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] (sample custodian)	12/29/10	1530
[signature]	[signature] for Molly CEC	12/29/10	0945
[signature] GSD 12/29/10 1730	[signature] CEC	12/30/10	1030

05/2/06 Revision

GSO

WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
BTS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 515655542

NPS

ORC

D

GARDEN GROVE

D92843A

87496274

Print Date : 12/29/10 15:50 PM

Package 1 of 3

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section.
Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-12-2 3 3 3

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS DATE: 12/30/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 3.0 °C + 0.5 °C (CF) = 3.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Initial: YC

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Initial: YC

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: _____

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☑500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** _____

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** _____

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** _____

WELL GAUGING DATA

Project # 101228-BP1 Date 12/28/10 Client SHELL

Site 4411 Foothill Blvd Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
S-6	0726	4					7.03	19.39		
S-7	0731	4					7.05	19.37		
S-8	0736	4					6.93	19.58		
S-9	0722	4					7.04	19.49		
S-10	0711	4					7.09	19.56		
S-11	0706	4					5.96	19.55		
S-12	0716	4					5.60	19.5		

SHELL WELL MONITORING DATA SHEET

BTS #: 101228-BP1	Site: 4411 Foothill Blvd Oakland
Sampler: BP	Date: 12/28/10
Well I.D.: S-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.39	Depth to Water (DTW): 7.63
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.98	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

7.6 (Gals.) X	3	= 22.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	(0.65)
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0922	69.9	6.72	1566	19	7.6	ODOR
0924	66.0	6.67	1560	58	15.2	↓
0927	66.4	6.72	1557	54	22.8	↓ DTW: 16.88

Did well dewater? Yes (No) Gallons actually evacuated: 22.8

Sampling Date: 12/28/10 Sampling Time: 1015 Depth to Water: 7.62

Sample I.D.: S-6 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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

SHEL[illegible]VELL MONITORING DATA [illegible]EET

BTS #: 101228-BP1	Site: 4411 Foothill Blvd Oakland
Sampler: BP	Date: 12/28/10
Well I.D.: S-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.57	Depth to Water (DTW): 7.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.51	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

8.0 (Gals.) X 3 = 24.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0940	65.1	6.65	1818	26	8.0	black water ODOR
0942	66.2	6.64	1868	79	16.0	ODOR
0942	Well Dewatered @ 16.5 Gals				16.5	DTW: 17.73
1145	63.2	6.80	1830	27	—	

Did well dewater? (Yes) No Gallons actually evacuated: 16.5

Sampling Date: 12/28/10 Sampling Time: 1145 Depth to Water: (2 hr) 10.41

Sample I.D.: S-7 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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 #: 101228-BP1	Site: 4411 Foothill Blvd Oakland
Sampler: BP	Date: 12/28/10
Well I.D.: S-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 19.58	Depth to Water (DTW): 6.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.46	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

8.2 (Gals.) X 3 = 24.6 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0953	66.1	6.78	1430	48	8.2	ODOR
0955	67.4	6.71	1398	49	16.4	ODOR
0955	Well Dewatered @ 17.0 Gals				17.0	DTW: 17.76
1200	63.2	7.05	1349	23	—	

Did well dewater? (Yes) No Gallons actually evacuated: 17.0

Sampling Date: 12/28/10 Sampling Time: 1200 Depth to Water: 9.80 (2hr)

Sample I.D.: S-8 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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 #: 101228-BP1	Site: 4411 Foothill Blvd Oakland
Sampler: BP	Date: 12/28/10
Well I.D.: S-9	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.49	Depth to Water (DTW): 7.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.53	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

8.1 (Gals.) X 3 = 24.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0910	62.1	6.41	1173	26	8.1	
0912	64.4	6.38	1172	16	16.2	
0912	Well Dewatered @		16.5 Gals	16.5	DTW: 17.70	
1115	61.4	7.04	1264	21	—	

Did well dewater? (Yes) No — Gallons actually evacuated: 16.5

Sampling Date: 12/28/10 — Sampling Time: 1115 — Depth to Water: 14.38 (2hr)

Sample I.D.: S-9 — Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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

SHEL[illegible]WELL MONITORING DATA [illegible]EET

BTS #: 101228-BP1	Site: 4411 Foothill Blvd Oakland
Sampler: BP	Date: 12/28/10
Well I.D.: S-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.56	Depth to Water (DTW): 7.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.58	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

8.1 (Gals.) X 3 = 24.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0802	66.4	6.24	589.7	121	8.1	
0804	68.1	6.25	549.4	>1000	16.2	
0806	68.8	6.26	580.7	602	24.3	DTW: 16.97

Did well dewater? Yes (No) Gallons actually evacuated: 24.3

Sampling Date: 12/28/10 Sampling Time: 0845 Depth to Water: 7.74

Sample I.D.: S-10 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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

SHEL[illegible]/ELL MONITORING DATA [illegible]EET

BTS #: 101228-BP1	Site: 4411 Foothill Blvd Oakland
Sampler: BP	Date: 12/28/10
Well I.D.: S-11	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.55	Depth to Water (DTW): 5.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.67	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

8.8 (Gals.) X	3	= 26.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0746	65.1	6.28	870.1	62	8.8	
0749	67.2	6.22	943.1	184	17.6	
0750	Well	dewatered @	20.2 Gals		20.2	DTW: 15.65
0830	65.0	6.66	882.9	65	—	

Did well dewater? (Yes) No Gallons actually evacuated: 20.2

Sampling Date: 12/28/10 Sampling Time: 0830 Depth to Water: 8.12

Sample I.D.: S-11 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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

1

SHEL[illegible]WELL MONITORING DATA[illegible]EET

BTS #: 101228-BP1	Site: 4411 Foothill Blvd Oakland
Sampler: BP	Date: 12/28/10
Well I.D.: S-12	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 19.59	Depth to Water (DTW): 5.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.39	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (Electric Submersible); Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: (Bailer); Disposable Bailer; Extraction Port; Dedicated Tubing; Other: _____

9.1 (Gals.) X 3 = 27.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0817	65.5	6.20	1145	165	9.1	
0819	65.8	6.33	1197	161	18.2	
0821	66.2	6.39	1182	538	27.3	

Did well dewater? Yes (No) Gallons actually evacuated: 27.3

Sampling Date: 12/28/10 Sampling Time: 0900 Depth to Water: 7.45

Sample I.D.: S-12 Laboratory: (CalScience) Columbia Other_____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE COC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) 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 WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 4411 Foothill Blvd Oakland Date 12/28/10

Job Number 101228-BP1 Technician BP Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
S-6	X	X							
S-7	X	X							
S-8	X	X							
S-9	X	X							
S-10	X	X							
S-11	X	X							
S-12	X	X							

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

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