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9:34 am, May 14, 2010

Alameda County
Environmental Health



Shell Oil Products US

May 13, 2010

**Re: First Quarter 2010 Semi-Annual Groundwater Monitoring
and Quarterly Feasibility Study Report**

Shell-branded Service Station
5251 Hopyard Road
Pleasanton, California

Dear Mr. Jerry Wickham:

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,
Shell Oil Products US

A handwritten signature in black ink, appearing to read "Denis L. Brown", with a long horizontal flourish extending to the right.

Denis L. Brown
Project Manager

May 13, 2010
Delta Project No. SCA5251H1D
SAP No. 135785

Mr. Jerry Wickham, PG, CHG
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6540

**Re: FIRST QUARTER 2010 SEMI-ANNUAL
GROUNDWATER MONITORING AND QUARTERLY
FEASIBILITY STUDY REPORT**
Shell-Branded Service Station
5251 Hopyard Road
Pleasanton, California



Dear Mr. Wickham:

On behalf of Equilon Enterprises LLC *dba* Shell Oil Products (Shell), Delta Consultants (Delta) has prepared this *First Quarter 2010 Groundwater Monitoring Report* for the site referenced above. Sampling activities at the site were performed by Blaine Tech Services, Inc. (Blaine Tech) under contract to Shell and included the collection of groundwater samples and static water level measurements. Delta did not provide any oversight of Blaine Tech's work or protocol. A Delta staff member performed an evaluation of the data provided to us under the supervision of a California Registered Civil Engineer or a California Professional Geologist.

A magnesium sulfate ($MgSO_4$) feasibility pilot study was initiated based on the work plan submitted December 11, 2009 and approved in a letter from the Alameda County Health Care Services Agency (ACHCSA) dated January 12, 2010. In addition, at a meeting with Shell and Delta on February 3, 2010 Jerry Wickham of the ACHCSA requested that two additional observation wells (S-1 and S-10) be added to the scope of work. The work plan and agency letter are included as Appendix A in the attached monitoring report.

The anaerobic sulfate reduction of hydrocarbons uses ferric (insoluble) iron as a co-metabolite. A preliminary evaluation on October 30, 2009 of groundwater at the site indicated that sulfate is utilized and depleted during the degradation of hydrocarbons, with an increase in the concentration of ferrous (soluble) iron in the center of the plume (EW-1). This data point strongly suggested sulfate was being consumed in the process of anaerobic hydrocarbon biodegradation, and that the current low sulfate concentrations may be a limiting factor for continued bioremediation of the plume.

Prior to the initial $MgSO_4$ application on April 8, 2010, baseline groundwater samples were collected from application wells EW-1 and S-3 and observation wells S-1, S-2, and S-10. Analytical samples were submitted to a California state-certified laboratory and analyzed for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene and total xylenes (BTEX compounds), methyl tert-butyl ether (MTBE), sulfate, ferrous iron and ferric iron. The initial ferrous iron results were run out of hold (according to the method analysis should be performed within 24 hours of sample collection), and are therefore not considered representative of actual concentrations at the site. Subsequent measurements for ferrous iron will be taken using a field sample kit; field samples collected May 11, 2010 reported 2.4 and 4.8 milligrams per liter (mg/L) ferrous iron at wells EW-1 and S-3, respectively.

Two drums (approximately 55 gallons each) of EAS™ (electron acceptor solution) were obtained from EOS Remediation, LLC and transported to the site. One drum of EAS™ was introduced to each application well (EW-1 and S-3) following completion of baseline sampling; samples for sulfate were collected two to four hours following completion of the $MgSO_4$ introduction. Additional samples collected to date from the application wells include sulfate samples on April 21, 2010 and samples for TPH-g, BTEX compounds, MTBE, sulfate, ferrous iron and ferric iron on May 11, 2010 (sample results are pending). Initial results indicate that sulfate has been utilized and depleted at the application points by an order of magnitude over a two-week period. It is anticipated that two additional applications will be performed in May and June or July, and additional information on the degradation trend and resulting attenuation of contaminants should be available following the collection of that data. Tables 1 through 3 included in the attached monitoring report provide historic groundwater concentrations, analytical results from the initial $MgSO_4$ evaluation, and initial pilot study results.

This report represents Delta's professional opinions based upon the currently available information and is arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report. If you have any questions regarding this site, please contact Suzanne McClurkin-Nelson (Delta Project Manager) at (408) 826-1875 or Denis Brown (Shell Site Manager) at (707) 865-0251.

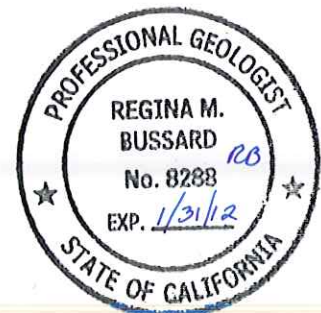
Sincerely,
Delta Consultants



Suzanne McClurkin-Nelson
Senior Project Manager



Regina Bussard, P.G.
Project Geologist



Attachment: First Quarter 2010 Groundwater Monitoring Report

cc: Denis Brown, Shell Oil Products US, Carson
Carl Cox, C and J Cox Corporation, Pleasanton
Colleen Winey, Zone 7 Water Agency, Livermore
Danielle Stefani, Livermore-Pleasanton Fire Department, Pleasanton

SHELL SEMI-ANNUAL STATUS REPORT

Station Address:	5251 Hopyard Road, Pleasanton, California
DELTA Project No.:	SCA5251H1D
SHELL Project Manager / Phone No.:	Denis Brown / (707) 865-0251
DELTA Site Manager / Phone No.:	Suzanne McClurkin-Nelson / (408) 826-1875
Primary Agency / Regulatory ID No.:	Alameda County Environmental Health (Mr. Jerry Wickham, P.G., CHG)
Other Agencies to Receive Copies:	Zone 7 Water Agency, Livermore-Pleasanton Fire Department

WORK PERFORMED THIS PERIOD (FOURTH – 2009 & FIRST –2010):

1. Submit 3Q09 semi-annual monitoring report (11/11/2009).
2. Submit MgSO₄ Application Work Plan (12/11/2009)
3. Semi-annual groundwater monitoring and sampling (2/9/2010).

WORK PROPOSED FOR NEXT PERIOD (SECOND & THIRD –2010):

1. Submit 1Q10 semi-annual monitoring report.
2. Initiate MgSO₄ feasibility study for hot spot bioremediation via sulfate applications.
3. Semi-annual groundwater monitoring and sampling (3Q10 - August).

Current Phase of Project:	Groundwater monitoring and interim remediation activities.
Site Use:	Shell-branded Service Station
Frequency of Sampling:	Semi-Annual (1Q/3Q)
Frequency of Monitoring:	Semi-Annual (1Q/3Q)
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Cumulative SPH Recovered to Date:	NA
SPH Recovered This Quarter :	None
Groundwater Recovered During Sampling This Quarter:	238.8 gallons were recovered during sampling February 9, 2010.
Sensitive Receptor(s) and Respective Direction(s):	Chabot canal is located approximately 1133 feet north-east of the site and Hewlett Canal is located approximately 1156 feet east of the site. No municipal water supply wells were identified within a 1-mile radius of the site.
General Site Lithology:	The site and property to the north are underlain predominantly by clay and silt.
Current Remediation Techniques:	None
Permits for Discharge:	None
Approximate Depth to Groundwater:	6.91 to 9.99 feet below top of well casing.
Groundwater Gradient:	Northeast at approximately 0.003 ft/ft
Current Agency Correspondence:	January 12, 2010; MgSO ₄ work plan approval

SHELL SEMI-ANNUAL STATUS REPORT (CONT.)

Date of Most Recent Work Plan Approval:	January 12, 2010 (Appendix A)
Site History:	
Case Opening	September 2004
Onsite Assessment	May 2005
Offsite Assessment	None
Passive Remediation	Monitor Natural Attenuation
Active Remediation	Batch Extraction 2007
Closure	N/A
Summary of Unusual Activity:	Wells S-10, S-11, and S-12 have been incorporated into the monitoring program. MgSO ₄ pilot study has been initiated.

Discussion:

A magnesium sulfate (MgSO₄) feasibility pilot study was initiated April 8, 2010 using wells S-3 and EW-1 as application points and wells S-1, S-2 and S-10 as observation wells. Following collection of baseline samples at all wells, one drum of EAS™ (electron acceptor solution) was gravity fed into each application well; sulfate samples were collected from those wells two to four hours after application. Follow up sampling occurred on April 21st, 2010 to monitor the sulfate concentration. Results from the initial feasibility evaluation are included in Table 2 and results to date from the feasibility study are included in Table 3. The MgSO₄ work plan (text, tables and figures) is included as Appendix A, field data sheets and field procedures are included as Appendices B and C, and analytical results received to date are included as Appendix D. Monthly sampling for TPH-g, BTEX compounds, MTBE, sulfate, ferrous iron and ferric iron at wells EW-1 and S-3 occurred on May 11, 2010; those results will be included in the next quarterly feasibility study report due by August 15, 2010.

ATTACHMENTS:

Figures:

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Contour Map – 2/9/2010

Figure 3 – Groundwater Hydrocarbon Distribution Map – 2/9/2010

Tables:

Table 1 – Well Concentrations

Table 2 – MgSO₄ Feasibility Evaluation

Table 3 – MgSO₄ Feasibility Pilot Study

Appendices:

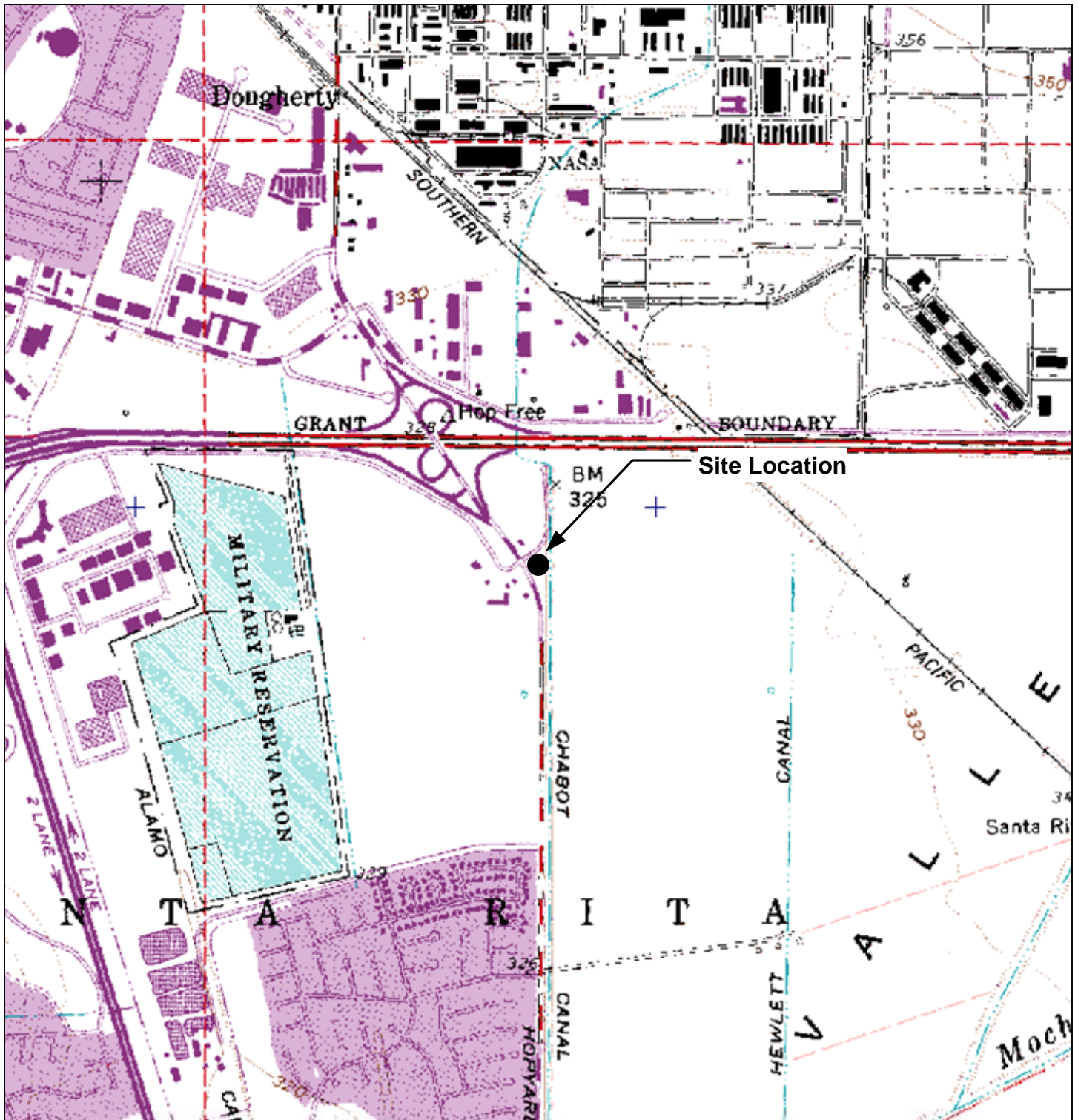
Appendix A – Agency Correspondence and MgSO₄ Feasibility Study and Work Plan

Appendix B – Blaine Tech Services, Inc. and Delta Consultants Field Data Sheets

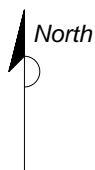
Appendix C – Blaine Tech Services, Inc. Field Procedures

Appendix D – Certified Analytical Reports with Chain-of-Custody Documentation

FIGURES



GENERAL NOTES:
 Base Map from: DeLorme Yarmouth, ME 04096
 Source Data: USGS



QUADRANGLE LOCATION

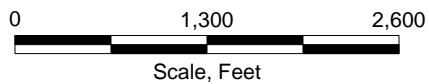


FIGURE 1
 SITE LOCATION MAP

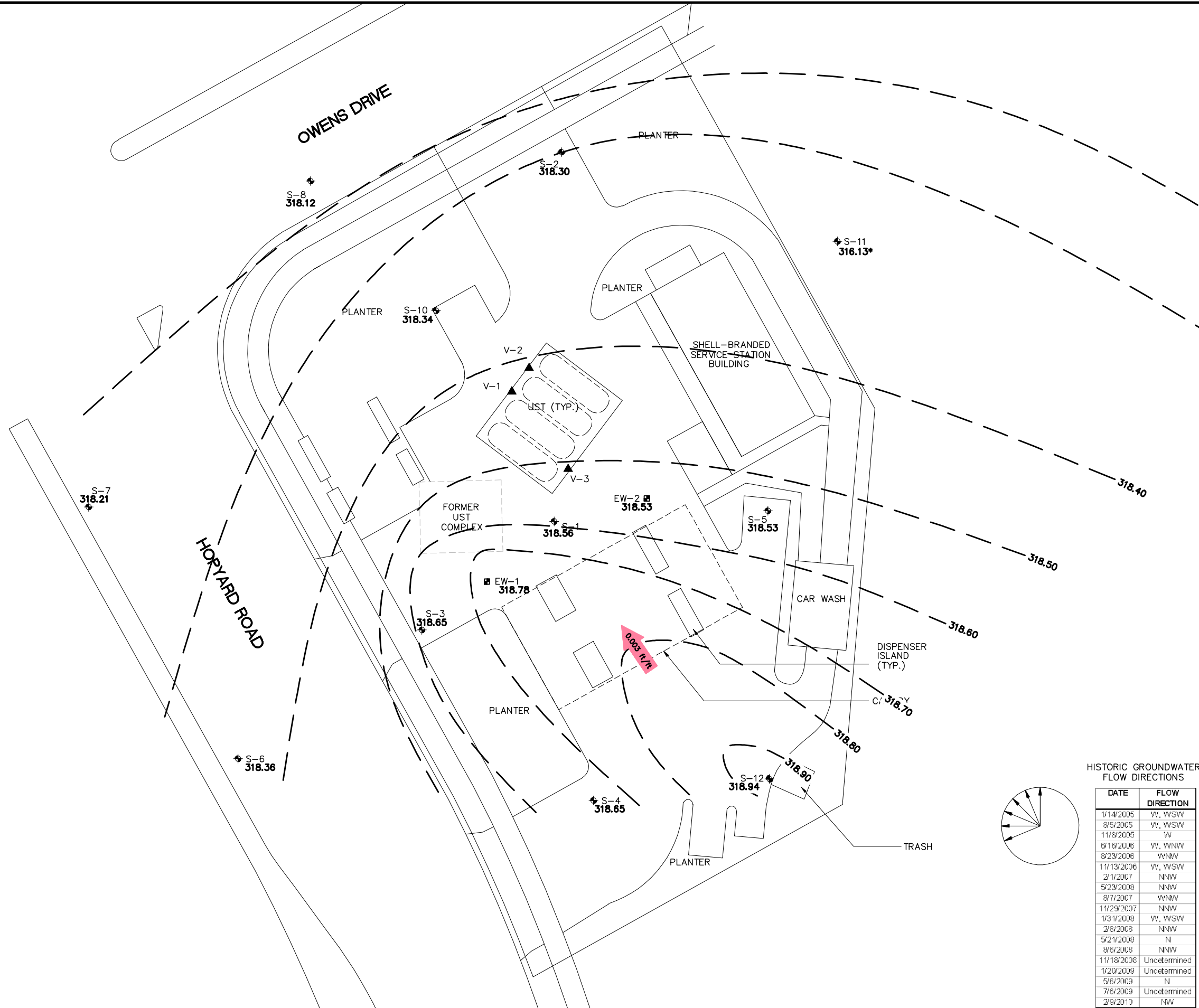
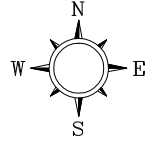
SHELL-BRANDED SERVICE STATION
 5251 Hopyard Road
 Pleasanton, California

PROJECT NO. SCA5251H1D	DRAWN BY V. F. 3/31/05
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY



PROJECT NUMBER SCA5251H1D
 APPROVED BY
 CHECKED BY
 DRAWN BY J.F.F. 3/15/2010

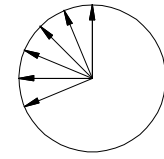
SCALE IN FEET
 0 20 40



- LEGEND**
- MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - EW-1 GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
 - V-3 SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
 - 318.68 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
 - 318.40 - - - GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=0.10 FEET
 - * ANOMALOUS DATA NOT USED IN CONTOURING
 - 0.003 ft/ft APPROXIMATE GROUNDWATER DIRECTION
 - NG NOT GAUGED

HISTORIC GROUNDWATER FLOW DIRECTIONS

DATE	FLOW DIRECTION
1/14/2005	W, WSW
8/5/2005	W, WSW
11/8/2005	W
8/16/2006	W, WNW
8/23/2006	WNW
11/13/2006	W, WSW
2/1/2007	NNW
5/23/2008	NNW
8/7/2007	WNW
11/29/2007	NNW
1/31/2008	W, WSW
2/8/2008	NNW
5/21/2008	N
8/6/2008	NNW
11/18/2008	Undetermined
1/20/2009	Undetermined
5/6/2009	N
7/6/2009	Undetermined
2/9/2010	NW



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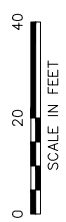
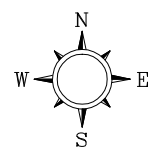
SHELL OIL PRODUCTS US
 SHELL BRANDED SERVICE STATION
 PLEASANTON, CALIFORNIA

FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP
 2/9/2010

5251 HOPYARD ROAD
 PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA5251H1D
 APPROVED BY
 CHECKED BY
 DRAWN BY J.F.F. 3/15/2010



S-10				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	65	ND<0.50	1.7	1,400

S-2				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	62	ND<0.50	42	ND<10

S-9				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	ND<50	ND<0.50	ND<1.0	ND<10

S-8				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	ND<50	ND<0.50	ND<1.0	ND<10

S-11				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	ND<50	ND<0.50	ND<1.0	ND<10

S-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	8,800	18	13	66

S-7				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	ND<50	ND<0.50	8.4	ND<10

S-5				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	130	2.3	2.4	ND<10

EW-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	12,000	13	ND<5.0	ND<50

S-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	1,400	180	12	32

S-12				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	57	ND<0.50	26	11

S-6				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	ND<50	ND<0.50	ND<1.0	ND<10

S-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
2/9/10	ND<50	ND<0.50	ND<1.0	ND<10

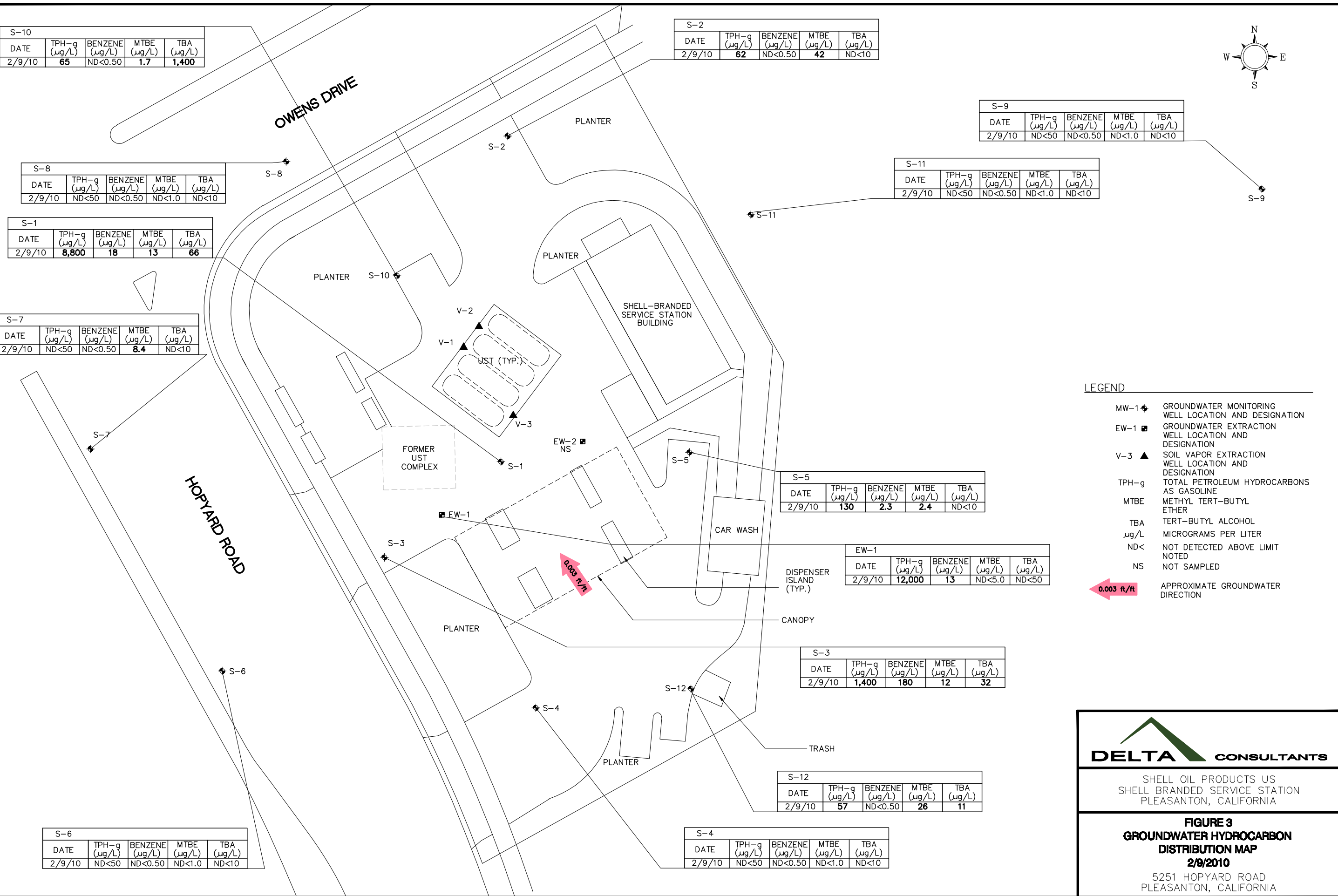
- LEGEND**
- MW-1 ◆ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - EW-1 ■ GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
 - V-3 ▲ SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
 - TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
 - MTBE METHYL TERT-BUTYL ETHER
 - TBA TERT-BUTYL ALCOHOL
 - µg/L MICROGRAMS PER LITER
 - ND< NOT DETECTED ABOVE LIMIT
 - NS NOT SAMPLED
 - 0.003 ft/r APPROXIMATE GROUNDWATER DIRECTION

DELTA CONSULTANTS

SHELL OIL PRODUCTS US
 SHELL BRANDED SERVICE STATION
 PLEASANTON, CALIFORNIA

**FIGURE 3
 GROUNDWATER HYDROCARBON
 DISTRIBUTION MAP
 2/9/2010**

5251 HOPYARD ROAD
 PLEASANTON, CALIFORNIA



TABLES

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	1/25/1991	2,500	1,500	460	<25	130	36	NA	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	4/6/1991	6,700	2,600 a	2,600	14	580	250	NA	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	7/24/1991	8,800	3,800 a	2,300	30	640	220	NA	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	10/18/1991	12,000	3,300 a	3,600	380	990	580	NA	NA	NA	NA	NA	NA	NA	326.73	8.85	317.88	NA
S-1	1/23/1992	1,600	890	450	3	120	17	NA	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	4/27/1992	1,100 g	500 a	610	<10	110	10	NA	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	7/21/1992	5,100	290 c	1,900	54	460	140	NA	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	10/16/1992	13,000	390 c	3,200	310	780	360	NA	NA	NA	NA	NA	NA	NA	326.73	NA	NA	NA
S-1	1/23/1993	2,300	30 d	640	<5	110	13	NA	NA	NA	NA	NA	NA	NA	326.73	7.96	318.77	NA
S-1	4/28/1993	4,600	390	780	<0.5	250	<0.5	NA	NA	NA	NA	NA	NA	NA	326.73	9.07	317.66	NA
S-1	9/22/1993	3,000	610 a	660	28	160	17	NA	NA	NA	NA	NA	NA	NA	326.73	8.68	318.05	NA
S-1	12/8/1993	520	280	210	<2.5	49	<2.5	NA	NA	NA	NA	NA	NA	NA	326.73	8.23	318.50	NA
S-1	3/4/1994	640	NA	190	1.4	18	1.3	NA	NA	NA	NA	NA	NA	NA	326.73	8.81	317.92	NA
S-1 (D)	3/4/1994	640	NA	180	1.7	17	1.3	NA	NA	NA	NA	NA	NA	NA	326.73	8.81	317.92	NA
S-1	6/16/1994	2,500	NA	390	9.5	31	7.5	NA	NA	NA	NA	NA	NA	NA	326.73	8.80	317.93	NA
S-1 (D)	6/16/1994	2,000	NA	410	7.8	120	20	NA	NA	NA	NA	NA	NA	NA	326.73	8.80	317.93	NA
S-1	9/13/1994	1,400	NA	310	7.7	29	8.5	NA	NA	NA	NA	NA	NA	NA	326.73	8.62	318.11	NA
S-1 (D)	9/13/1994	1,400	NA	240	7.9	44	6.3	NA	NA	NA	NA	NA	NA	NA	326.73	8.62	318.11	NA
S-1	5/5/1995	800	NA	120	3.6	26	2.7	NA	NA	NA	NA	NA	NA	NA	326.73	11.54	315.19	NA
S-1 (D)	5/5/1995	710	NA	110	3.4	19	2.7	NA	NA	NA	NA	NA	NA	NA	326.73	11.54	315.19	NA
S-1	5/21/1996	1,500	NA	170	8.5	120	6.7	NA	NA	NA	NA	NA	NA	NA	326.73	8.88	317.85	NA
S-1	5/12/1997	4,700	NA	200	15	210	20	2,300	NA	NA	NA	NA	NA	NA	326.73	11.19	315.54	2.4
S-1 (D)	5/12/1997	4,800	NA	210	16	190	16	3,200	2,900	NA	NA	NA	NA	NA	326.73	11.19	315.54	2.4
S-1	5/8/1998	500	NA	18	2.1	2.3	2	1,000	NA	NA	NA	NA	NA	NA	326.73	8.38	318.35	2.1
S-1	6/27/1999	2,970	NA	117	32.0	69.1	17.5	374	NA	NA	NA	NA	NA	NA	326.73	8.79	317.94	2.4
S-1	4/28/2000	1,920	NA	50.5	15.0	67.2	46.7	276	NA	NA	NA	NA	NA	NA	326.73	8.50	318.23	2.8
S-1	5/30/2001	3,900	NA	27	12	140	28	NA	140	NA	NA	NA	NA	NA	326.73	8.18	318.55	2.6
S-1	6/17/2002	2,700	NA	25	11	51	14	NA	140	NA	NA	NA	NA	NA	326.73	8.39	318.34	3.2
S-1	5/30/2003	3,900	NA	12	8.2	47	12	NA	270	NA	NA	NA	NA	NA	326.74	7.41	319.33	1.2
S-1	5/3/2004	3,700	NA	32	21	170	34	NA	410	NA	NA	NA	NA	NA	326.74	11.18	315.56	2.4

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-1	1/14/2005	4,200	NA	22	34	380	33	NA	100	NA	NA	NA	NA	NA	326.74	7.10	319.64	0.58
S-1	5/5/2005	5,000	NA	33	110	970	210	NA	190	<0.50	<0.50	0.95	630	NA	326.74	11.32	315.42	NA
S-1	08/05/2005	4,600	NA	32	52	420	69	NA	110	<40	<40	<40	410	NA	326.74	9.04	317.70	NA
S-1	9/16/2005	3,300	NA	14	28	280	43	NA	60	51	<10	<10	260	NA	326.74	11.37	315.37	NA
S-1	11/8/2005	4,700	NA	19.2	47	416	84.0	NA	50.2	<0.500	<0.500	<0.500	<10.0	NA	326.74	9.06	317.68	NA
S-1	1/31/2006	6,380	NA	21.0	33.1	280	31.0	NA	59.9	<0.500	<0.500	<0.500	306	NA	326.74	8.12	318.62	NA
S-1	5/16/2006	9,080	NA	25.8	46.6	517	86.6 m	NA	69.5	<0.500	<0.500	<0.500	268	NA	326.74	7.95	318.79	NA
S-1	8/23/2006	4,980	NA	19.0	22.7	74.7	38.7	NA	42.9	<0.500	<0.500	<0.500	252	NA	326.74	7.95	318.79	NA
S-1	11/13/2006	7,900	NA	38	41	480	52	NA	44	<5.0	<5.0	<5.0	480	NA	326.74	7.99	318.75	NA
S-1	2/1/2007	1,500	NA	18	15	110	17	NA	27	<10	<10	<10	640	NA	326.74	8.19	318.55	NA
S-1	5/23/2007	5,300 n	NA	35	42	260	67.9	NA	<5.0	<10	<10	<10	720	NA	326.74	10.50	316.24	NA
S-1	8/7/2007	6,900 n	NA	26	31	240	40.9 o	NA	30	<10	<10	<10	270	NA	326.74	8.13	318.61	NA
S-1	11/29/2007	840 n	NA	16	18	120	14.5	NA	26	<2.0	<2.0	<2.0	190	NA	326.74	9.40	317.34	NA
S-1	2/8/2008	4,500 n	NA	25	39	410	37	NA	28	<10	<10	<10	330	NA	326.74	7.91	318.83	NA
S-1	2/20/2008	5,700 n	NA	29	56	650	89	NA	35	<10	<10	<10	200	<500	326.74	8.70	318.04	NA
S-1	3/7/2008	6,800 n	NA	25	37	310	59.2	NA	<5.0	<10	<10	<10	240	<500	326.74	10.54	316.20	NA
S-1	3/21/2008	5,300	NA	22	23	210	38.7	NA	<2.0	<4.0	<4.0	<4.0	220	<200	326.74	9.79	316.95	NA
S-1	4/8/2008	4,200	NA	15	18	230	26.4	NA	<2.0	<4.0	<4.0	<4.0	240	<200	326.74	8.27	318.47	NA
S-1	4/21/2008	6,600	NA	21	27	440	53	NA	<2.0	<4.0	<4.0	<4.0	170	<200	326.74	8.17	318.57	NA
S-1	5/6/2008	5,700	NA	21	29	440	56	NA	<5.0	<10	<10	<10	270	<500	326.74	8.00	318.74	NA
S-1	5/21/2008	7,800	NA	29	51	620	108	NA	40	<10	<10	<10	190	<500	326.74	8.27	318.47	NA
S-1	8/6/2008	7,600	NA	17	27	140	30.0	NA	24	<10	<10	<10	180	NA	326.74	8.01	318.73	NA
S-1	11/18/2008	6,500	NA	27	35	310	45.0	NA	22	<20	<20	<20	180	NA	326.74	7.59	319.15	NA
S-1	1/20/2009	5,100	NA	19	21	140	22	NA	21	<10	<10	<10	230	NA	326.74	8.28	318.46	NA
S-1	5/6/2009	6,100	NA	26	37	520	51	NA	27	<10	<10	<10	180	NA	326.74	8.04	318.70	NA
S-1	7/6/2009	5,800	NA	25	34	370	44	NA	22	<10	<10	<10	180	NA	326.74	8.42	318.32	NA
S-1	2/9/2010	8,800	NA	18	33	340	37	NA	13	NA	NA	NA	66	NA	326.74	8.18	318.56	NA
S-2	1/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	4/16/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	7/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	10/18/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	8.83	317.76	NA
S-2	1/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	4/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	7/17/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	NA	NA	NA
S-2	1/23/1993	<50	140 b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	8.10	318.49	NA
S-2	4/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	9.06	317.53	NA
S-2	9/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.59	8.91	317.68	NA
S-2	12/8/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.59	9.07	317.52	NA
S-2	3/4/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.59	8.90	317.69	NA
S-2	6/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.59	8.98	317.61	NA
S-2	9/13/1994	<50	NA	<0.5	2.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	8.78	317.81	NA
S-2	5/5/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	8.60	317.99	NA
S-2	5/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.59	8.75	317.84	NA
S-2	5/12/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	326.59	8.72	317.87	3.4
S-2	5/8/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	326.59	8.63	317.96	3.1
S-2	6/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	326.59	8.79	317.80	2.6
S-2	4/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	326.59	8.33	318.26	2.0
S-2	5/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	326.59	8.56	318.03	1.8
S-2	6/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	326.59	8.87	317.72	i
S-2	5/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	18	NA	NA	NA	NA	NA	326.47	7.89	318.58	1.7
S-2	5/3/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	510	NA	NA	NA	NA	NA	326.47	5.44	321.03	0.1
S-2	1/14/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	270	NA	NA	NA	NA	NA	326.47	7.88	318.59	NA
S-2	5/5/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	280	<0.50	<0.50	0.55	8.9 j	NA	326.47	8.14	318.33	NA
S-2	08/05/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	320	<2.0	<2.0	<2.0	510	NA	326.47	8.24	318.23	NA
S-2	9/16/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	320	<10	<10	<10	1,800	NA	326.47	8.06	318.41	NA
S-2	11/8/2005	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	375	<0.500	<0.500	0.610	1,130	NA	326.47	8.20	318.27	NA
S-2	1/31/2006	281	NA	<0.500	<0.500	<0.500	<0.500	NA	354	<0.500	<0.500	<0.500	3,090	NA	326.47	8.18	318.29	NA
S-2	5/16/2006	785	NA	<0.500	<0.500	<0.500	<0.500	NA	282	<0.500	<0.500	<0.500	3,250	NA	326.47	8.34	318.13	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
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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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	8/23/2006	344	NA	<0.500	<0.500	<0.500	<0.500	NA	194	<0.500	<0.500	0.560	10,600	NA	326.47	8.32	318.15	NA
S-2	11/13/2006	320	NA	<5.0 f	<5.0 f	<5.0 f	<5.0 f	NA	140 f	<5.0 f	<5.0 f	<5.0 f	6,000 f	NA	326.50	8.37	318.13	NA
S-2	2/1/2007	160	NA	<0.50	<0.50	<0.50	<1.0	NA	130	<2.0	<2.0	<2.0	3,900	NA	326.50	8.13	318.37	NA
S-2	5/23/2007	120 n	NA	<0.50	<1.0	<1.0	<1.0	NA	110	<2.0	<2.0	<2.0	1,500	NA	326.50	8.55	317.95	NA
S-2	8/7/2007	93 n,p	NA	<2.5	<5.0	<5.0	<5.0	NA	120	<10	<10	<10	1,700	NA	326.50	8.26	318.24	NA
S-2	11/29/2007	110 n,p	NA	<0.50	<1.0	<1.0	<1.0	NA	98	<2.0	<2.0	<2.0	880	NA	326.50	8.29	318.21	NA
S-2	2/8/2008	110 n,p	NA	<0.50	<1.0	<1.0	<1.0	NA	110	<2.0	<2.0	<2.0	830	NA	326.50	8.07	318.43	NA
S-2	2/20/2008	73 n,p	NA	<0.50	<1.0	<1.0	<1.0	NA	100	<2.0	<2.0	<2.0	650	<100	326.50	8.30	318.20	NA
S-2	3/7/2008	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	57	<2.0	<2.0	<2.0	240	<100	326.50	9.25	317.25	NA
S-2	3/21/2008	73	NA	<0.50	<1.0	<1.0	<1.0	NA	91	<2.0	<2.0	<2.0	480	<100	326.50	9.01	317.49	NA
S-2	4/8/2008	88	NA	<0.50	<1.0	<1.0	<1.0	NA	72	<2.0	<2.0	<2.0	310	<100	326.50	8.46	318.04	NA
S-2	4/21/2008	60	NA	<0.50	<1.0	<1.0	<1.0	NA	8.6	<2.0	<2.0	<2.0	310	<100	326.50	9.60	316.90	NA
S-2	5/6/2008	62	NA	<0.50	<1.0	<1.0	<1.0	NA	53	<2.0	<2.0	<2.0	300	<100	326.50	10.55	315.95	NA
S-2	5/21/2008	130	NA	<0.50	<1.0	<1.0	<1.0	NA	61	<2.0	<2.0	<2.0	320	<100	326.50	9.43	317.07	NA
S-2	8/6/2008	76	NA	<0.50	<1.0	<1.0	<1.0	NA	46	<2.0	<2.0	<2.0	77	NA	326.50	8.41	318.09	NA
S-2	11/18/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	42	<2.0	<2.0	<2.0	18	NA	326.50	8.38	318.12	NA
S-2	1/20/2009	57	NA	<0.50	<1.0	<1.0	<1.0	NA	46	<2.0	<2.0	<2.0	13	NA	326.50	8.64	317.86	NA
S-2	5/6/2009	64	NA	<0.50	<1.0	<1.0	<1.0	NA	58	<2.0	<2.0	<2.0	<10	NA	326.50	8.31	318.19	NA
S-2	7/6/2009	110	NA	<0.50	<1.0	<1.0	<1.0	NA	59	<2.0	<2.0	<2.0	<10	NA	326.50	8.53	317.97	NA
S-2	2/9/2010	62	NA	<0.50	<1.0	<1.0	<1.0	NA	42	NA	NA	NA	<10	NA	326.50	8.20	318.30	NA
S-3	1/25/1991	870	330	230	<2.5	130	<2.5	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	4/16/1991	190	140 a	12	0.8	6.2	1.5	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	7/24/1991	1,700	1,200 a	450	4.4	150	2.9	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	10/18/1991	1,900	500	370	3.1	120	220	NA	NA	NA	NA	NA	NA	NA	327.38	9.64	317.74	NA
S-3	1/23/1992	2,000	650 a	580	3	200	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	4/27/1992	1,100	230 a	150	<3	76	14	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	7/17/1992	810	58	200	<2.5	57	3.8	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	10/16/1992	440	190 c	79	1.8	18	4.6	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-3	1/23/1993	670	170 d	79	1.5	46	15	NA	NA	NA	NA	NA	NA	NA	327.38	8.81	318.57	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-3	4/28/1993	2,000	<50	300	3.4	210	38	NA	NA	NA	NA	NA	NA	NA	327.38	9.87	317.51	NA
S-3	9/22/1993	4,800	670 a	2,000	34	150	51	NA	NA	NA	NA	NA	NA	NA	327.38	9.65	317.73	NA
S-3	12/8/1993	1,200	11	440	<5.0	120	29	NA	NA	NA	NA	NA	NA	NA	327.38	9.26	318.12	NA
S-3	3/4/1994	630	NA	130	<0.5	17	0.8	NA	NA	NA	NA	NA	NA	NA	327.38	9.64	317.74	NA
S-3	6/16/1994	1,800	NA	430	19	35	21	NA	NA	NA	NA	NA	NA	NA	327.38	9.78	317.60	NA
S-3	5/5/1995	160	NA	50	0.9	7.2	4.1	NA	NA	NA	NA	NA	NA	NA	327.38	9.38	318.00	NA
S-3	5/21/1996	270	NA	45	<0.5	1.4	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	9.41	317.97	NA
S-3 (D)	5/21/1996	210	NA	<0.5	<0.5	0.95	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	9.41	317.97	NA
S-3	5/12/1997	420	NA	<1.0	<1.0	<1.0	<1.0	57	NA	NA	NA	NA	NA	NA	327.38	9.30	318.08	2.5
S-3	5/8/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	327.38	9.12	318.26	2.2
S-3	6/27/1999	106	NA	8.51	<0.500	<0.500	<0.500	31.0	NA	NA	NA	NA	NA	NA	327.38	9.39	317.99	2.1
S-3	4/28/2000	139	NA	7.58	<0.500	<0.500	<0.500	42.6	NA	NA	NA	NA	NA	NA	327.38	9.04	318.34	1.8
S-3	5/30/2001	2,200	NA	510	6.9	100	21	NA	33	NA	NA	NA	NA	NA	327.38	9.19	318.19	2.0
S-3	6/17/2002	600	NA	150	2.1	30	11	NA	36	NA	NA	NA	NA	NA	327.38	9.35	318.03	0.1
S-3	5/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	9.0	NA	NA	NA	NA	NA	327.04	8.39	318.65	1.2
S-3	5/3/2004	61 k	NA	0.90	<0.50	<0.50	<1.0	NA	9.8	NA	NA	NA	NA	NA	327.04	8.73	318.31	1.2
S-3	1/14/2005	94	NA	4.6	<0.50	3.1	1.0	NA	13	NA	NA	NA	NA	NA	327.04	8.00	319.04	NA
S-3	5/5/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.7	<0.50	<0.50	<0.50	<5.0	NA	327.04	8.31	318.73	NA
S-3	08/05/2005 l	<50	NA	0.51	<0.50	<0.50	<1.0	NA	6.0	<2.0	<2.0	<2.0	42	NA	327.04	8.32	318.72	NA
S-3	9/16/2005	<50	NA	0.62	<0.50	<0.50	<1.0	NA	7.9	<2.0	<2.0	<2.0	<5.0	NA	327.04	8.29	318.75	NA
S-3	11/8/2005	166	NA	63.0	1.32	7.20	2.99	NA	8.67	<0.500	<0.500	<0.500	<10.0	NA	327.04	8.17	318.87	NA
S-3	1/31/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	7.05	<0.500	<0.500	<0.500	<10.0	NA	327.04	8.05	318.99	NA
S-3	5/16/2006	<50.0	NA	3.23	<0.500	1.42	1.63 m	NA	3.92	<0.500	<0.500	<0.500	<10.0	NA	327.04	8.62	318.42	NA
S-3	8/23/2006	<50.0	NA	18.9	<0.500	1.72	0.800	NA	7.65	<0.500	<0.500	<0.500	<10.0	NA	327.04	8.54	318.50	NA
S-3	11/13/2006	530	NA	130 f	3.4 f	10 f	4.6 f	NA	17 f	<2.0 f	<2.0 f	<2.0 f	<80 f	NA	327.01	8.65	318.36	NA
S-3	2/1/2007	430	NA	230	4.4	4.0	<5.0	NA	17	<10	<10	<10	<25	NA	327.01	8.41	318.60	NA
S-3	5/23/2007	1,400 n	NA	370	11	17	11.58 o	NA	21	<2.0	<2.0	<2.0	12	NA	327.01	8.37	318.64	NA
S-3	8/7/2007	1,000 n	NA	150	4.6 o	4.1 o	4.0 o	NA	21	<10	<10	<10	<50	NA	327.01	8.59	318.42	NA
S-3	11/29/2007	710 n	NA	110	3.1	3.8	5.3 o	NA	17	<2.0	<2.0	<2.0	<10	NA	327.01	8.78	318.23	NA
S-3	2/8/2008	300 n	NA	2.7	<1.0	<1.0	<1.0	NA	19	<2.0	<2.0	<2.0	<10	NA	327.01	8.05	318.96	NA

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WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-3	2/20/2008	620 n	NA	150	4.1	11	11	NA	19	<2.0	<2.0	<2.0	<10	<100	327.01	8.57	318.44	NA
S-3	3/7/2008	170 n	NA	15	<1.0	2.5	4.0	NA	12	<2.0	<2.0	<2.0	<10	<100	327.01	8.87	318.14	NA
S-3	3/21/2008	68	NA	4.8	<1.0	1.3	1.6	NA	8.6	<2.0	<2.0	<2.0	<10	<100	327.01	9.00	318.01	NA
S-3	4/8/2008	170	NA	7.8	<1.0	2.6	4.0	NA	8.1	<2.0	<2.0	<2.0	<10	<100	327.01	8.55	318.46	NA
S-3	4/21/2008	350	NA	2.8	<1.0	1.2	1.9	NA	12	<2.0	<2.0	<2.0	<10	<100	327.01	8.65	318.36	NA
S-3	5/6/2008	210	NA	2.3	<1.0	<1.0	<1.0	NA	9.1	<2.0	<2.0	<2.0	<10	<100	327.01	8.60	318.41	NA
S-3	5/21/2008	430	NA	21	<1.0	3.5	4.2	NA	17	<2.0	<2.0	<2.0	<10	<100	327.01	8.81	318.20	NA
S-3	8/6/2008	210	NA	<0.50	<1.0	<1.0	<1.0	NA	13	<2.0	<2.0	<2.0	11	NA	327.01	8.71	318.30	NA
S-3	11/18/2008	930	NA	130	3.5	15	19	NA	18	<2.0	<2.0	<2.0	10	NA	327.01	8.79	318.22	NA
S-3	1/20/2009	950	NA	100	1.2	1.8	<1.0	NA	18	<2.0	<2.0	<2.0	16	NA	327.01	9.10	317.91	NA
S-3	5/6/2009	2,000	NA	490	5.9	14	4.8	NA	21	<2.0	<2.0	<2.0	14	NA	327.01	8.51	318.50	NA
S-3	7/6/2009	2,300	NA	500	10	30	13	NA	21	<10	<10	<10	<50	NA	327.01	8.80	318.21	NA
S-3	2/9/2010	1,400	NA	180	4.7	11	13	NA	12	NA	NA	NA	32	NA	327.01	8.36	318.65	NA

S-4	1/25/1991	<50	<50	<0.5	1.5	<0.5	2.8	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	4/16/1991	<50	0.7	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	7/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	10/18/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	8.82	318.56	NA
S-4	1/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	4/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	7/17/1992	<500	74	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	10/16/1992	<500	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	NA	NA	NA
S-4	1/23/1993	<500	94 b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	8.32	319.06	NA
S-4	4/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	9.76	317.62	NA
S-4	9/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.30	318.08	NA
S-4	12/8/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.74	317.64	NA
S-4	3/4/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.60	317.78	NA
S-4	6/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.38	9.42	317.96	NA
S-4	5/5/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	9.02	318.36	NA
S-4	5/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.38	9.29	318.09	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-4	5/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	140	NA	NA	NA	NA	NA	NA	327.38	7.95	319.43	2.5
S-4	5/8/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	250	NA	NA	NA	NA	NA	NA	327.38	8.96	318.42	2.0
S-4	6/27/1999	303	NA	35.8	24.8	12.4	69.8	106	NA	NA	NA	NA	NA	NA	327.38	8.90	318.48	2.6
S-4	4/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	40.2	NA	NA	NA	NA	NA	NA	327.38	8.37	319.01	1.9
S-4	5/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	6.8	NA	NA	NA	NA	NA	327.38	8.83	318.55	1.8
S-4	6/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	31	NA	NA	NA	NA	NA	327.38	9.37	318.01	4.8
S-4	5/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	130	NA	NA	NA	NA	NA	327.24	8.46	318.78	1.4
S-4	5/3/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	170	NA	NA	NA	NA	NA	327.24	8.70	318.54	1.1
S-4	1/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	25	NA	NA	NA	NA	NA	327.24	8.17	319.07	NA
S-4	5/5/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	15	<0.50	<0.50	<0.50	<5.0	NA	327.24	8.25	318.99	NA
S-4	8/5/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	6.1	<2.0	<2.0	<2.0	<5.0	NA	327.24	8.14	319.10	NA
S-4	11/8/2005	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	1.01	<0.500	<0.500	<0.500	<10.0	NA	327.24	8.33	318.91	NA
S-4	1/31/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	327.24	8.29	318.95	NA
S-4	5/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	327.24	8.46	318.78	NA
S-4	8/23/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	327.24	8.34	318.90	NA
S-4	11/13/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<20	NA	327.24	8.23	319.01	NA
S-4	2/1/2007	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	327.24	8.56	318.68	NA
S-4	5/23/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	0.60 o	<2.0	<2.0	<2.0	<10	NA	327.24	7.92	319.32	NA
S-4	8/7/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	0.32 o	<2.0	<2.0	<2.0	<10	NA	327.24	8.52	318.72	NA
S-4	11/29/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	327.24	8.58	318.66	NA
S-4	2/8/2008	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	327.24	8.07	319.17	NA
S-4	5/21/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	<100	327.24	8.80	318.44	NA
S-4	8/6/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	327.24	8.73	318.51	NA
S-4	11/18/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	327.24	8.77	318.47	NA
S-4	1/20/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	327.24	9.32	317.92	NA
S-4	5/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	327.24	8.45	318.79	NA
S-4	7/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	327.24	8.79	318.45	NA
S-4	2/9/2010	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	327.24	8.59	318.65	NA

S-5	1/25/1991	<50	<50	<0.5	<0.5	<0.5	0.7	NA	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
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TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-5	4/16/1991	<50	<50	<0.5	<0.5	<0.5	0.8	NA	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	7/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	10/18/1991	120 e	<50	4.3	<0.5	1	0.7	NA	NA	NA	NA	NA	NA	NA	327.76	10.00	317.76	NA
S-5	1/23/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	4/27/1992	50	<50	<0.5	<0.5	<0.5	0.6	NA	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	7/17/1992	<50	70	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	10/16/1992	230	57	13	<0.5	4.9	4.3	NA	NA	NA	NA	NA	NA	NA	327.76	NA	NA	NA
S-5	1/23/1993	<50	150 b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	8.88	318.88	NA
S-5	4/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	10.20	317.56	NA
S-5	9/22/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	9.92	317.84	NA
S-5	12/8/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	10.19	317.57	NA
S-5	3/4/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	9.95	317.81	NA
S-5	6/16/1994	<50	NA	0.9	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	10.02	317.74	NA
S-5	5/5/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	9.58	318.18	NA
S-5	5/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	327.76	9.84	317.92	NA
S-5	5/12/1997	360	NA	3.3	<0.50	17	9.8	130	NA	NA	NA	NA	NA	NA	327.76	9.16	318.60	4.2
S-5	5/8/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	92	NA	NA	NA	NA	NA	NA	327.76	9.25	318.51	3.8
S-5 (D)	5/8/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	100	NA	NA	NA	NA	NA	NA	327.76	9.25	318.51	3.8
S-5	6/27/1999	223	NA	13.7	12.9	8.20	45.8	106	NA	NA	NA	NA	NA	NA	327.76	9.39	318.37	3.0
S-5	4/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	255	NA	NA	NA	NA	NA	NA	327.76	9.43	318.33	1.2
S-5	5/30/2001	<100	NA	<1.0	<1.0	<1.0	<1.0	NA	480	NA	NA	NA	NA	NA	327.76	9.47	318.29	1.1
S-5	6/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	210	NA	NA	NA	NA	NA	327.76	9.74	318.02	0.2
S-5	5/30/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	450	NA	NA	NA	NA	NA	327.43	8.87	318.56	1.7
S-5	5/3/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	NA	470	NA	NA	NA	NA	NA	327.43	9.10	318.33	0.7
S-5	1/14/2005	<100	NA	<1.0	<1.0	<1.0	<2.0	NA	230	NA	NA	NA	NA	NA	327.43	8.43	319.00	NA
S-5	5/5/2005	76	NA	16	<0.50	<0.50	<0.50	NA	120	<0.50	<0.50	<0.50	630	NA	327.43	8.71	318.72	NA
S-5	08/05/2005	1,900	NA	57	7.5	22	17	NA	240	<4	<4	<4	480	NA	327.43	8.90	318.53	NA
S-5	9/16/2005	1,400	NA	87	2.0	7.8	5.8	NA	75	<4.0	<4.0	<4.0	630	NA	327.43	8.84	318.59	NA
S-5	11/8/2005	315	NA	35.8	<0.500	<0.500	1.07	NA	49.1	<0.500	<0.500	<0.500	<10.0	NA	327.43	8.86	318.57	NA
S-5	1/31/2006	335	NA	7.74	<0.500	<0.500	<0.500	NA	48.2	<0.500	<0.500	<0.500	337	NA	327.43	8.66	318.77	NA

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WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-5	5/16/2006	349	NA	3.54	<0.500	<0.500	<0.500	NA	24.7	<0.500	<0.500	<0.500	182	NA	327.43	9.00	318.43	NA
S-5	8/23/2006	<50.0	NA	5.39	<0.500	<0.500	<0.500	NA	17.0	<0.500	<0.500	<0.500	91.0	NA	327.43	8.97	318.46	NA
S-5	11/13/2006	420	NA	19	1.7	<0.50	1.7	NA	19	<0.50	<0.50	<0.50	80	NA	327.43	8.77	318.66	NA
S-5	2/1/2007	280	NA	14	2.1	<0.50	1.4	NA	13	<2.0	<2.0	<2.0	42	NA	327.43	9.30	318.13	NA
S-5	5/23/2007	590 n	NA	19	2.0	<1.0	0.92 o	NA	11	<2.0	<2.0	<2.0	24	NA	327.43	8.73	318.70	NA
S-5	8/7/2007	450 n	NA	10	1.0	<1.0	<1.0	NA	13	<2.0	<2.0	<2.0	17	NA	327.43	9.00	318.43	NA
S-5	11/29/2007	340 n	NA	4.1	0.34 o	<1.0	<1.0	NA	7.1	<2.0	<2.0	<2.0	<10	NA	327.43	9.06	318.37	NA
S-5	2/8/2008	270 n	NA	4.7	<1.0	<1.0	<1.0	NA	6.0	<2.0	<2.0	<2.0	<10	NA	327.43	8.75	318.68	NA
S-5	2/20/2008	340 n	NA	4.6	<1.0	<1.0	<1.0	NA	5.5	<2.0	<2.0	<2.0	<10	<100	327.43	9.03	318.40	NA
S-5	3/7/2008	220 n	NA	1.8	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	<100	327.43	9.20	318.23	NA
S-5	3/21/2008	150	NA	0.71	<1.0	<1.0	<1.0	NA	5.2	<2.0	<2.0	<2.0	<10	<100	327.43	9.43	318.00	NA
S-5	4/8/2008	120	NA	0.76	<1.0	<1.0	<1.0	NA	5.2	<2.0	<2.0	<2.0	<10	<100	327.43	9.11	318.32	NA
S-5	4/21/2008	190	NA	0.63	<1.0	<1.0	<1.0	NA	3.4	<2.0	<2.0	<2.0	<10	<100	327.43	9.17	318.26	NA
S-5	5/6/2008	150	NA	1.0	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	190	327.43	8.80	318.63	NA
S-5	5/21/2008	250	NA	1.6	<1.0	<1.0	<1.0	NA	3.8	<2.0	<2.0	<2.0	<10	<100	327.43	9.20	318.23	NA
S-5	8/6/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	6.2	<2.0	<2.0	<2.0	<10	NA	327.43	9.11	318.32	NA
S-5	11/18/2008	93	NA	<0.50	<1.0	<1.0	<1.0	NA	3.5	<2.0	<2.0	<2.0	<10	NA	327.43	9.06	318.37	NA
S-5	1/20/2009	59	NA	<0.50	<1.0	<1.0	<1.0	NA	2.7	<2.0	<2.0	<2.0	<10	NA	327.43	9.60	317.83	NA
S-5	5/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	2.5	<2.0	<2.0	<2.0	<10	NA	327.43	8.94	318.49	NA
S-5	7/6/2009	62	NA	<0.50	<1.0	<1.0	<1.0	NA	2.5	<2.0	<2.0	<2.0	11	NA	327.43	9.18	318.25	NA
S-5	2/9/2010	130	NA	2.3	<1.0	<1.0	<1.0	NA	2.4	NA	NA	NA	<10	NA	327.43	8.90	318.53	NA

S-6	1/25/1991	<50	<50	<0.5	1.7	<0.5	2.8	NA	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	4/16/1991	<50	<50	<0.5	<0.5	<0.5	0.6	NA	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	7/24/1991	<50	<50	<0.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	10/18/1991	<50	<50	<0.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	326.56	8.84	317.22	NA
S-6	1/23/1992	<50	<50	<0.5	<0.5	<0.5	0.5	NA	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	4/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	7/17/1992	400	130	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA
S-6	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	NA	NA	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-6	1/23/1993	<50	230 b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	7.82	318.74	NA
S-6	4/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	9.00	317.56	NA
S-6	9/22/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	8.61	317.96	NA
S-6	12/8/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	10.02	316.54	NA
S-6	3/4/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	8.88	317.68	NA
S-6	6/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	9.04	317.52	NA
S-6	5/5/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	8.54	318.02	NA
S-6	5/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.56	8.62	317.94	NA
S-6	5/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	326.56	8.60	317.96	2.6
S-6	5/8/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	326.56	7.90	318.66	2.2
S-6	6/27/1999	430	NA	50.1	30.5	15.2	83.5	8.05	NA	NA	NA	NA	NA	NA	326.56	8.01	318.55	2.3
S-6	4/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	326.56	8.84	317.72	2.0
S-6	5/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	326.56	8.54	318.02	1.9
S-6	6/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	326.56	8.48	318.08	1.3
S-6	5/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	8.7	NA	NA	NA	NA	NA	326.35	7.36	318.99	1.0
S-6	5/3/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	326.35	8.08	318.27	0.9
S-6	1/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	326.35	7.38	318.97	NA
S-6	5/5/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	NA	326.35	7.55	318.80	NA
S-6	8/5/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	326.35	7.61	318.74	NA
S-6	11/8/2005	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	326.35	7.64	318.71	NA
S-6	1/31/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	30.5	NA	326.35	7.90	318.45	NA
S-6	5/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	326.35	8.16	318.19	NA
S-6	8/23/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	10.9	NA	326.35	7.77	318.58	NA
S-6	11/13/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<20	NA	326.35	8.15	318.20	NA
S-6	2/1/2007	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	1.2	<2.0	<2.0	<2.0	<5.0	NA	326.35	8.36	317.99	NA
S-6	5/23/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	326.35	7.80	318.55	NA
S-6	8/7/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	0.39 o	<2.0	<2.0	<2.0	<10	NA	326.35	8.07	318.28	NA
S-6	11/29/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	326.35	8.17	318.18	NA
S-6	2/8/2008	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	326.35	7.67	318.68	NA
S-6	5/21/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	<100	326.35	8.17	318.18	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-6	8/6/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	326.35	7.89	318.46	NA
S-6	11/18/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	326.35	8.30	318.05	NA
S-6	1/20/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	326.35	8.01	318.34	NA
S-6	5/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	326.35	7.96	318.39	NA
S-6	7/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	326.35	8.32	318.03	NA
S-6	2/9/2010	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	326.35	7.99	318.36	NA

S-7	1/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	4/16/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	7/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	10/18/1991	<50	140 f	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	8.92	317.57	NA
S-7	1/23/1992	<50	140 f	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	4/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	7/17/1992	<50	<50	<0.5	1.8	0.6	4.1	NA	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	NA	NA	NA
S-7	1/23/1993	<50	110 b	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	8.06	318.43	NA
S-7	4/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	8.94	317.55	NA
S-7	9/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.49	8.57	317.92	NA
S-7	12/8/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.49	9.00	317.49	NA
S-7	3/4/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.49	8.96	317.53	NA
S-7	6/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.49	9.12	317.37	NA
S-7	5/5/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	8.58	317.91	NA
S-7	5/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	326.49	8.64	317.85	NA
S-7	5/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	326.49	8.74	317.75	2.3
S-7	5/8/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	326.49	8.00	318.49	2.5
S-7	6/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	326.49	8.75	317.74	2.9
S-7	4/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	326.49	8.96	317.53	2.2
S-7	5/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	326.49	8.65	317.84	2.0
S-7	6/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	326.49	8.55	317.94	2.3
S-7	5/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	12	NA	NA	NA	NA	NA	326.36	7.88	318.48	1.8

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WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-7	5/3/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	100	NA	NA	NA	NA	NA	326.36	8.30	318.06	1.2
S-7	1/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	41	NA	NA	NA	NA	NA	326.36	7.70	318.66	NA
S-7	5/5/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	91	<0.50	<0.50	6.8	<5.0	NA	326.36	7.60	318.76	NA
S-7	8/5/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	100	<2.0	<2.0	7.5	<5.0	NA	326.36	8.42	317.94	NA
S-7	11/8/2005	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	124	<0.500	<0.500	8.70	<10.0	NA	326.36	7.61	318.75	NA
S-7	1/31/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	93.0	<0.500	<0.500	4.50	<10.0	NA	326.36	7.85	318.51	NA
S-7	5/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	76.3	<0.500	<0.500	2.98	<10.0	NA	326.36	8.08	318.28	NA
S-7	8/23/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	34.7	<0.500	<0.500	2.02	<10.0	NA	326.36	7.93	318.43	NA
S-7	11/13/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	27	<0.50	<0.50	1.6	<20	NA	326.36	8.15	318.21	NA
S-7	2/1/2007	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	45	<2.0	<2.0	2.9	28	NA	326.36	8.35	318.01	NA
S-7	5/23/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	1.7	<2.0	<2.0	<2.0	<10	NA	326.36	8.11	318.25	NA
S-7	8/7/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	23	<2.0	<2.0	<2.0	<10	NA	326.36	8.36	318.00	NA
S-7	11/29/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	10	<2.0	<2.0	<2.0	<10	NA	326.36	8.19	318.17	NA
S-7	2/8/2008	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	9.2	<2.0	<2.0	<2.0	<10	NA	326.36	7.73	318.63	NA
S-7	5/21/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	8.8	<2.0	<2.0	<2.0	<10	<100	326.36	8.10	318.26	NA
S-7	8/6/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	1.2	<2.0	<2.0	<2.0	<10	NA	326.36	8.49	317.87	NA
S-7	11/18/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	7.6	<2.0	<2.0	<2.0	<10	NA	326.36	8.31	318.05	NA
S-7	1/20/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	7.7	<2.0	<2.0	<2.0	<10	NA	326.36	8.39	317.97	NA
S-7	5/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	6.4	<2.0	<2.0	<2.0	<10	NA	326.36	8.39	317.97	NA
S-7	7/6/2009	58	NA	<0.50	<1.0	<1.0	<1.0	NA	4.3	<2.0	<2.0	<2.0	<10	NA	326.36	8.63	317.73	NA
S-7	2/9/2010	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	8.4	NA	NA	NA	<10	NA	326.36	8.15	318.21	NA

S-8	1/25/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	4/16/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	7/24/1991	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	10/18/1991	<50	360 f	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	7.62	317.70	NA
S-8	1/23/1992	<50	90	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	4/27/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	7/17/1992	53	<50	<0.5	1	<0.5	1.8	NA	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA
S-8	10/16/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	NA	NA	NA

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WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-8	1/23/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	7.00	318.32	NA
S-8	4/28/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	7.77	317.55	NA
S-8	9/22/1993	<50	160	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	7.67	317.65	NA
S-8	12/8/1993	<50	210	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	7.76	317.56	NA
S-8	3/4/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	7.66	317.66	NA
S-8	6/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	7.78	317.54	NA
S-8	5/5/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	7.42	317.90	NA
S-8	5/21/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	325.32	7.50	317.82	NA
S-8	5/12/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	325.32	7.56	317.76	1.6
S-8	5/8/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	325.32	7.64	317.68	2.0
S-8	6/27/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	NA	NA	NA	NA	NA	325.32	7.75	317.57	2.3
S-8	4/28/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	325.32	8.02	317.30	1.8
S-8	5/30/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	NA	NA	NA	NA	NA	325.32	7.34	317.98	1.8
S-8	6/17/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	325.32	7.45	317.87	1.8
S-8	5/30/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	14	NA	NA	NA	NA	NA	325.03	7.39	317.64	3.0
S-8	5/3/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	325.03	7.00	318.03	1.0
S-8	1/14/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	325.03	8.65	316.39	NA
S-8	5/5/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<5.0	NA	325.03	6.73	318.30	NA
S-8	8/5/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	325.03	6.93	318.10	NA
S-8	11/8/2005	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	325.03	6.95	318.08	NA
S-8	1/31/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	325.03	6.91	318.12	NA
S-8	5/16/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	325.03	7.02	318.01	NA
S-8	8/23/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	325.03	6.98	318.05	NA
S-8	11/13/2006	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<0.50	<0.50	<0.50	<0.50	<20	NA	325.03	7.09	317.94	NA
S-8	2/1/2007	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	325.03	7.27	317.76	NA
S-8	5/23/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	6.80	318.23	NA
S-8	8/7/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	7.04	317.99	NA
S-8	11/29/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	7.04	317.99	NA
S-8	2/8/2008	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	6.77	318.26	NA
S-8	5/21/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	<100	325.03	7.10	317.93	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-8	8/6/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	6.94	318.09	NA
S-8	11/18/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	7.10	317.93	NA
S-8	1/20/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	7.18	317.85	NA
S-8	1/20/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	7.18	317.85	NA
S-8	5/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	7.01	318.02	NA
S-8	7/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.03	7.83	317.20	NA
S-8	2/9/2010	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	325.03	6.91	318.12	NA
S-9	11/22/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	325.89	7.61	318.28	NA
S-9	11/27/2006	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	325.89	7.77	318.12	NA
S-9	2/1/2007	<50	NA	<0.50	<0.50	<0.50	<1.0	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	325.89	8.14	317.75	NA
S-9	5/23/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.89	7.85	318.04	NA
S-9	8/7/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.89	7.77	318.12	NA
S-9	11/29/2007	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.89	7.99	317.90	NA
S-9	2/8/2008	<50 n	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.89	7.78	318.11	NA
S-9	5/21/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	<100	325.89	7.84	318.05	NA
S-9	8/6/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.89	7.69	318.20	NA
S-9	11/18/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.89	7.93	317.96	NA
S-9	1/20/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.89	8.13	317.76	NA
S-9	5/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.89	8.02	317.87	NA
S-9	7/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	325.89	8.06	317.83	NA
S-9	2/9/2010	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	325.89	7.80	318.09	NA
S-10	6/30/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.24	8.04	318.20	NA
S-10	7/6/2009	340	NA	<1.0	<2.0	<2.0	<2.0	NA	<2.0	<4.0	<4.0	<4.0	5,100	NA	326.24	8.11	318.13	NA
S-10	2/9/2010	65	NA	<0.50	<1.0	<1.0	<1.0	NA	1.7	NA	NA	NA	1,400	NA	326.24	7.90	318.34	NA
S-11	6/30/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.12	7.97	318.15	NA
S-11	7/6/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	326.12	7.98	318.14	NA
S-11	2/9/2010	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	<10	NA	326.12	9.99	316.13	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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S-12	6/30/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	326.91	8.49	318.42	NA
S-12	7/6/2009	83	NA	<0.50	<1.0	<1.0	<1.0	NA	37	<2.0	<2.0	<2.0	<10	NA	326.91	8.89	318.02	NA
S-12	2/9/2010	57	NA	<0.50	<1.0	<1.0	<1.0	NA	26	NA	NA	NA	11	NA	326.91	7.97	318.94	NA

EW-1	2/20/2008	9,100 n	NA	110	180	840	146.9	NA	<5.0	<10	<10	<10	<50	<500	NA	8.07	NA	NA
EW-1	3/7/2008	11,000 n	NA	380	200	370	317.0	NA	<5.0	<10	<10	<10	<50	<500	NA	17.80	NA	NA
EW-1	3/21/2008	14,000	NA	690	430	750	614	NA	<5.0	<10	<10	<10	<50	<500	NA	8.61	NA	NA
EW-1	4/8/2008	12,000	NA	430	200	430	302	NA	<5.0	<10	<10	<10	<50	<500	NA	8.40	NA	NA
EW-1	4/21/2008	22,000	NA	430	510	1,100	747	NA	<5.0	<10	<10	<10	71	<500	NA	8.33	NA	NA
EW-1	5/6/2008	20,000	NA	280	620	1,000	616	NA	<10	<20	<20	<20	<100	<1,000	NA	8.30	NA	NA
EW-1	5/21/2008	17,000	NA	180	440	830	484	NA	<10	<20	<20	<20	<100	<1,000	NA	8.60	NA	NA
EW-1	8/6/2008	12,000	NA	140	79	720	110	NA	<10	<20	<20	<20	<100	NA	NA	8.41	NA	NA
EW-1	11/18/2008	16,000	NA	94	170	970	310	NA	<20	<40	<40	<40	<200	NA	NA	8.03	NA	NA
EW-1	1/20/2009	10,000	NA	110	58	440	61	NA	<20	<40	<40	<40	<200	NA	NA	8.98	NA	NA
EW-1	5/6/2009	14,000	NA	73	120	690	120	NA	<20	<40	<40	<40	<200	NA	NA	7.92	NA	NA
EW-1	7/6/2009	17,000	NA	18	82	750	140	NA	<10	<20	<20	<20	<100	NA	326.98	8.21	318.77	NA
EW-1	2/9/2010	12,000	NA	13	41	490	120	NA	<5.0	NA	NA	NA	<50	NA	326.98	8.20	318.78	NA

EW-2	12/14/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.25	NA	NA
EW-2	2/8/2008	70 n,p	NA	<0.50	<1.0	<1.0	<1.0	NA	8.9	<2.0	<2.0	<2.0	940	NA	NA	8.42	NA	NA
EW-2	2/20/2008	59 n,p	NA	<1.0	<2.0	<2.0	<2.0	NA	10	<4.0	<4.0	<4.0	1,300	<200	NA	8.85	NA	NA
EW-2	3/7/2008	850 n,p	NA	<1.0	<2.0	<2.0	<2.0	NA	8.0	<4.0	<4.0	<4.0	1,200	<200	NA	9.75	NA	NA
EW-2	3/21/2008	350	NA	5.3	4.6	6.2	18	NA	<2.0	<4.0	<4.0	<4.0	990	<200	NA	9.51	NA	NA
EW-2	4/8/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	8.9	<2.0	<2.0	<2.0	180	<100	NA	9.12	NA	NA
EW-2	4/21/2008	140	NA	<0.50	<1.0	<1.0	<1.0	NA	57	<2.0	<2.0	<2.0	230	<100	NA	8.86	NA	NA
EW-2	5/6/2008	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	8.3	<2.0	<2.0	<2.0	590	<100	NA	8.87	NA	NA
EW-2	5/21/2008	53	NA	<0.50	<1.0	<1.0	<1.0	NA	11	<2.0	<2.0	<2.0	380	<100	NA	9.00	NA	NA
EW-2	8/6/2008	60	NA	<0.50	<1.0	<1.0	<1.0	NA	10	<2.0	<2.0	<2.0	560	NA	NA	8.81	NA	NA
EW-2	11/18/2008	140	NA	8.0	<1.0	6.2	29	NA	7.4	<2.0	<2.0	<2.0	410	NA	NA	8.92	NA	NA

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
EW-2	1/20/2009	<50	NA	<0.50	<1.0	<1.0	<1.0	NA	6.8	<2.0	<2.0	<2.0	390	NA	NA	9.28	NA	NA
EW-2	5/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	327.21	NA	NA	NA

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 30, 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 May 30, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

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

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, 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)	Ethanol (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
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Notes:

Ethanol analyzed by EPA Method 8260B

a = Compounds detected as TEPH appear to be the less volatile constituents of gasoline.

b = The concentration reported as TEPH primarily due to the presence of a heavier petroleum product.

c = The concentration reported as TEPH due to the presence of a lighter petroleum product.

d = Concentrations reported as diesel includes a heavier petroleum product.

e = Compounds detected within the chromatographic range of TEPH but not characteristic of the standard gasoline pattern.

f = There was insufficient preservative to reduce the sample pH to less than 2.

g = Compounds detected within the chromatographic range of TEPH but not characteristic of the standard diesel pattern.

h = The chromatographic pattern of the purgeable hydrocarbons found in the sample is similar to the pattern of weathered gasoline.

i = DO reading not taken.

j = The results may be biased slightly high.

k = The hydrocarbon reported in the gasoline range does not match the laboratory standard.

l = Extracted out of holding time.

m = Analyte was detected in the associated Method Blank.

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

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

p = 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.

Site surveyed April 16, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Beginning May 30, 2003, depth to water referenced to Top of Casing elevation.

Wells S-2, S-3 and S-9 were surveyed on November 22, 2006 by Mid Coast Engineers.

Wells S-10 through S-12 and EW-1 were surveyed on June 25, 2009 by Mid Coast Engineers.

TABLE 2
MgSO₄ FEASIBILITY EVALUATION

Shell-branded Service Station
5251 Hopyard Road
Pleasanton, California

Well ID	Date Sampled	TPH-g (ug/L)	BTEX Compounds				Fuel Oxygenates					Sulfate (mg/L)	Ferrous Iron (mg/L)
			B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)		
S-2	10/30/2009	<50	<0.50	<1.0	<1.0	<1.0	33	<2.0	<2.0	<2.0	10	540	<0.10
S-10	10/30/2009	<50	<0.50	<1.0	<1.0	<1.0	1.8	<2.0	<2.0	<2.0	860	170	<0.10
S-3	10/30/2009	2,300	390	12	15	24	14	<10	<10	<10	<50	35	<0.10
EW-1	10/30/2009	8,400	14	21	360	84	<2.0	<4.0	<4.0	<4.0	<20	3.1	2.1

Abbreviations:

TPH-g = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8015

B = Benzene, analyzed by EPA Method 8260B

T = Toluene, analyzed by EPA Method 8260B

E = Ethylbenzene, analyzed by EPA Method 8260B

X = Total xylenes, analyzed by EPA Method 8260B

MTBE = Methyl tert-butyl ether, analyzed by EPA Method 8260B

DIPE = Diisopropyl 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

Sulfate - Analyzed EPA Method 300.0

Ferrous Iron - Iron (II) analyzed by SM 3500-FeB

µg/L = Micrograms per liter, equivalent to parts per billion

mg/L = Milligrams per liter, equivalent to parts per million

< = Denotes no reported concentration above shown detection limit

TABLE 3
MgSO₄ FEASIBILITY PILOT STUDY
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, CA

Well ID	Date	DTW (feet)	pH (pH units)	Sulfate (mg/L)	Ferrous Iron (Fe+2)† (mg/L)	Ferric Iron (Fe+3) (mg/L)	TPH-g (ug/L)	BTEX Compounds				MTBE (ug/L)
								B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	
Observation Wells												
S-1	4/8/10 10:35 AM	7.95	7.49	3.1	ND(<0.10) ^a	0.511	9,300	23	38	320	56	17
S-2	4/8/10 11:35 AM	8.14	7.52	600	ND(<0.10) ^a	0.120	ND(<50)	ND(<0.50)	ND(<1.0)	ND(<1.0)	ND(<1.0)	38
S-10	4/8/10 11:15 AM	7.68	7.71	170	ND(<0.10) ^a	0.915	ND(<50)	ND(<0.50)	ND(<1.0)	ND(<1.0)	ND(<1.0)	1.5
Application Points												
EW-1	4/8/10 9:45 AM	7.81	7.05	2.7	ND(<0.10) ^a	10.2	7,100	16	25	95	29	3.7
EW-1	4/8/10 5:10 PM	--	--	90,000	NS	NS	NS	NS	NS	NS	NS	NS
EW-1	4/21/10 12:00 PM	--	--	7,800	NS	NS	NS	NS	NS	NS	NS	NS
EW-1	5/11/10 9:45 AM	--	7.24	NA	2.4	NA	NA	NA	NA	NA	NA	NA
S-3	4/8/10 10:15 AM	8.45	7.46	19	ND(<0.10) ^a	1.82	2,400	270	6.0	4.0	3.6	11
S-3	4/8/10 7:30 PM	--	--	99,000	NS	NS	NS	NS	NS	NS	NS	NS
S-3	4/21/10 11:45 AM	--	--	7,700	NS	NS	NS	NS	NS	NS	NS	NS
S-3	5/11/10 9:55 AM	--	7.11	NA	4.8	NA	NA	NA	NA	NA	NA	NA

Abbreviations:

DTW = Depth to water

TPH-g = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA Method 8015.

BTEX = benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether, analyzed by EPA Method 8260

mg/L = Parts per million

ug/L = Parts per billion

ND(<n) = Not detected above shown detection limit n

NS = Not sampled

NA = Not available

Notes:

a = Ferrous Iron (Fe+2) samples collected and submitted for laboratory analysis; results were run out of hold time (24 hours) and not representative

† = Ferrous iron samples collected in field and measured using a field kit unless otherwise specified

APPENDIX A

AGENCY CORRESPONDENCE AND
MgSO₄ FEASIBILITY STUDY AND WORK PLAN



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Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Carl Cox
CJC Hopyard LLC
4431 Stoneridge Drive, #100
Pleasanton, CA 94588-8412

Subject: Fuel Leak Case No. RO0000194 and Geotracker Global ID T0600101267, Shell#13-5785, 5251 Hopyard Road, Pleasanton, CA 94566

Dear Mr. Brown and Mr. Cox:

Alameda County Environmental Health (ACEH) staff has reviewed the fuel leak case file for the above-referenced site including the most recent document entitled, "*Magnesium Sulfate Feasibility Study and Work Plan, Shell Branded Service Station, 5251 Hopyard Road, Pleasanton, California,*" dated March 19, 2009. The Work Plan, which was prepared on Shell's behalf by Delta Environmental Consultants, Inc., proposes adding magnesium sulfate to groundwater through infiltration to enhance biodegradation processes in the source area.

The proposed scope of work is acceptable and may be implemented as proposed. We request that you perform the proposed work and present results from the feasibility study in the quarterly reports described below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Jerry Wickham), according to the following schedule:

- **45 days following the end of each quarter** – Quarterly Feasibility Study and Monitoring Reports

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program

Denis Brown
Carl Cox
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Page 2

FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in Geotracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

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If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Danielle Stefani, Livermore Pleasanton Fire Department, 3560 Nevada St, Pleasanton, CA 94566
(Sent via E-mail to: dstefani@lpfire.org)

Cheryl Dizon (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551
(Sent via E-mail to: cdizon@zone7water.com)

Suzanne McClurkin-Nelson, Delta Environmental Consultants, Inc., 312 Piercy Road, San Jose, CA 95138 (Sent via E-mail to: SMcClurkin-Nelson@deltaenv.com)

Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org)
Jerry Wickham, ACEH
Geotracker, File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	ISSUE DATE: July 5, 2005
	REVISION DATE: March 27, 2009
	PREVIOUS REVISIONS: December 16, 2005, October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

- 1) Obtain User Name and Password:
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to dehloptoxic@acgov.org
 - Or
 - ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
 - b) In the subject line of your request, be sure to include "**ftp PASSWORD REQUEST**" and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape and Firefox browsers will not open the FTP site.
 - b) Click on File, then on Login As.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.



December 11, 2009
Delta Project: SCA5251H1A
SAP #: 135785

Mr. Jerry Wickham, PG, CHG
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6540

Re: Magnesium Sulfate Feasibility Study and Work Plan
Shell Branded Service Station
5251 Hopyard Road
Pleasanton, California

Dear Mr. Wickham:

Delta Consultants (Delta) has prepared this *Magnesium Sulfate Feasibility Study Work Plan* to (1) review and summarize historic remedial efforts and effectiveness at the site, (2) evaluate historic data for compounds of concern including total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX compounds), and fuel oxygenates, (3) determine the feasibility of enhanced biodegradation and chemical degradation of TPH-g and BTEX compounds at the site through the introduction of magnesium sulfate ($MgSO_4$), and (4) establish a sampling and field monitoring plan following $MgSO_4$ application events.

Based on a review of current groundwater parameters, Delta proposes a feasibility study utilizing $MgSO_4$ enhancement for site remediation. This pilot study is designed to determine the optimal $MgSO_4$ infiltration volumes, solution concentrations and the application and monitoring frequencies that will be used in site remediation. Delta is providing this report to the Alameda County Health Care Services Agency and to the Zone 7 Water Agency for their review and approval of this work plan and the proposed monitoring scope and schedule.

BACKGROUND

Site Description

The site is an active Shell-branded service station located on the southeast corner of Owens Drive and Hopyard Road in Pleasanton, California (Figure 1). The site is surrounded primarily by commercial properties. The station has four 10,000-gallon gasoline underground storage tanks (USTs), four fuel dispenser islands under a single canopy, a carwash, and a food mart building. Figure 2 depicts recent groundwater elevation contours based on monitoring data collected during the July 2009 sampling event.

Hydrogeologic Setting

The site is located in the western portion of the Livermore Valley Groundwater Basin where surficial deposits consist primarily of clay. Based on soil borings and cone penetration test (CPT) borings, the site is predominantly underlain by clay and silt with interbedded sand layers to depths of greater than 80 feet below ground surface (bgs). Sand, cemented sand, and silty sand were encountered in boring CPT-1 from 52 feet bgs to the total depth explored of 60 feet bgs and in boring CPT-2 from 36 to 43 feet bgs. Historic boring logs and monitoring wells are included as Attachment A; we were unable to obtain boring logs for wells S-2 through S-5.

The most recent monitoring and sampling event was conducted at the site on July 6, 2009. Groundwater levels ranged from 7.83 feet to 9.18 feet bgs; the groundwater flow direction was variable, but the site historically has had a gradient which varies between the north and west. The historical groundwater elevation and analytical data tables are provided as Attachment B.

Site Investigation Summary

During an initial site investigation in December 1988, one groundwater monitoring well (S-1) and three vadose zone wells (V-1 through V-3) were installed. In May 1989, four additional groundwater monitoring wells were installed (S-2 through S-5). In October and November of 1989, three offsite monitoring wells were installed (S-6 through S-8). In August 2005 CPT Borings were completed to collect groundwater from the 40 foot and 80 foot groundwater zones. One additional offsite groundwater monitoring well (S-9) was installed in November 2006 to monitor shallow groundwater east of the site. In June 2009, three additional groundwater monitoring wells were installed in an effort to complete delineation of the dissolved-phase plume, two onsite (S-10 and S-12) and one offsite (S-11).

Groundwater has been monitored on a quarterly schedule since January 1991; approval to reduce monitoring to a semiannual schedule was granted in July 2009.

Petroleum Hydrocarbon Distribution in Soil and Groundwater

The dissolved-phase petroleum hydrocarbon plume appears to be located primarily beneath the central portion of the site; the primary compounds of concern at the site are TPH-g, benzene, and fuel oxygenates methyl tert-butyl ether (MTBE) and tert-butyl alcohol (TBA). The majority of impacts to soil were excavated from beneath the dispensers in 2004 during piping and dispenser upgrades. Confirmation samples collected after the excavation reported the highest concentration of remaining soil impacts at 7 feet bgs with a concentration of 5.6 milligrams per kilogram (mg/kg) TPH-g and 0.88 mg/kg benzene.

Based on the most recent groundwater monitoring data, groundwater impacts are located primarily in the vicinity of the former UST complex, the current UST complex, and the product dispensers. The most recent monitoring event reported significant concentrations of TPH-g in wells EW-1, S-1, and S-3 at

concentrations of 17,000 micrograms per liter ($\mu\text{g/L}$), 5,800 $\mu\text{g/L}$, and 2,300 $\mu\text{g/L}$, respectively. Benzene was reported at concentrations of 500 $\mu\text{g/L}$, 25 $\mu\text{g/L}$ and 18 $\mu\text{g/L}$ in wells S-3, S-1, and EW-1, respectively. MTBE was reported at concentrations of 59 $\mu\text{g/L}$, 37 $\mu\text{g/L}$, 22 $\mu\text{g/L}$ and 21 $\mu\text{g/L}$, respectively, in wells S-2, S-12, S-1 and S-3, and TBA was reported in wells S-10, S-1, and S-5 at concentrations of 5,100 $\mu\text{g/L}$, 180 $\mu\text{g/L}$, and 11 $\mu\text{g/L}$, respectively.

Wells S-4 and S-12 delineate the general upgradient extent of the impacted groundwater; offsite wells S-7 and S-8 delineate the general downgradient extent of impacted groundwater to the west and north, and offsite wells S-6 and S-11 define the crossgradient extent of impacts to groundwater. Current TPH-g, benzene, MTBE and TBA concentrations are detailed on Figure 3, and historic groundwater concentrations are included as Attachment B.

Sensitive Receptors

A review of the sensitive receptor survey data generated from Department of Water records identified no municipal wells within a 1-mile radius of the site. The nearest surface water body is approximately 1,133 feet northeast of the site and Hewlett Canal is located approximately 1,156 feet east of the site. Based on utility survey results, utilities in the site vicinity are not expected to affect groundwater flow or to provide preferential groundwater migration pathways.

REMEDIATION ASSESSMENT

Historic Remediation Summary

In September 2004, product dispensers and product lines were removed to facilitate environmental sampling. A product line was ruptured during excavation of the pea gravel; free product was observed locally within the pea gravel area. Soils were sample beneath the dispenser and in the product trenching and over-excavation was performed along the trench, screening soils with a photoionization detector (PID). The total depth removed varied from 4 feet to 10 feet bgs. A total of approximately 75 cubic yards of petroleum hydrocarbon-impacted soil were removed from the piping trench with observed free product. Groundwater was extracted from the UST area during excavation activities, with a total volume of 33,749 gallons removed. An extraction well (EW-1) was installed in March 2006 for the purpose of batch extractions, but has never been utilized.

Sulfate in the Hydrocarbon Biodegradation Process

Recent case studies show that in anaerobic conditions, microbes utilize sulfate as a terminal electron acceptor in the process of hydrocarbon biodegradation in groundwater. Although other terminal-electron accepting processes (TEAPs) may occur simultaneously during hydrocarbon degradation (with the utilization of nitrite/nitrate, manganese, iron, and oxygen), data suggests that sulfate reduction may be the most important TEAP in the active reduction of hydrocarbons (Dale R. Van Stempvoort, James Armstrong, and Bernhard Mayer, 2007).

Where dissolved BTEX compound plumes show significantly depleted concentrations of sulfate, typically less than 10 milligrams per liter (mg/L), within the plume core, as well as slightly depleted sulfate on the plume fringe and an elevated sulfate concentration consistent with background concentrations in uncontaminated areas just beyond the plume edge, suggest that anaerobic sulfate reduction is occurring (Lyle Bruce, Jim Cuthbertson, Arati Kolhatkar, J. Scott Ziegler, and Brent Graves, 2007).

A 2001 study conducted by Dale R. Van Stempvoort, et al., concluded that the periodic replenishment of sulfate, resulting from the infiltration of snowmelt carrying dissolved sulfate from soils through the vadose zone and into the aquifer, played a key role in the biodegradation of petroleum hydrocarbons.

Site Sulfate and Iron Conditions

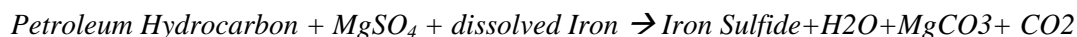
The 2008 City of Pleasanton Water Quality Report indicates that local groundwater has an average sulfate concentration ranging from 32 to 111 mg/L with an average concentration of 54 mg/L. Groundwater samples collected at the site from wells S-2, S-3, S-10, and EW-1 on October 30, 2009 reported sulfate concentrations ranging from 3.1 mg/L to 540 mg/L, with the lowest concentrations at the core of the plume (EW-1) and the highest concentrations in a perimeter well (S-2). The plume has generally remained centered around well EW-1, with well S-3 presumed to be on the inner fringe of the source area, and wells S-10 and S-2 are on the outer edges of the plume. Groundwater data are summarized in Table 1 and the certified analytical report is included as Attachment C. A graph showing the correlation at each well of TPH-g and sulfate concentrations is provided on Graph 1.

Under anaerobic conditions, insoluble iron (ferric iron—Fe³⁺) can be reduced to its more soluble form, ferrous iron (Fe²⁺). Conversely, through oxidation ferrous iron is converted to ferric iron. The data for ferrous iron at the site appears to follow an inverse relationship to the sulfate concentrations—ferrous iron was detected in the plume core (EW-1) where sulfate levels are low; while ferrous iron was not detected where sulfate levels are high in well S-2 which is located outside of the TPH-g and BTEX plume.

The anaerobic sulfate reduction of hydrocarbons uses ferric (insoluble) iron as a co-metabolite. In this TEAP, as sulfate is utilized and depleted during the degradation of hydrocarbons, you typically see an increase in the concentrations of ferrous (soluble iron) in source areas. The concentration of ferrous iron in the center of the plume (EW-1) was 2.1 mg/L (2,100 µg/L) during this sampling event. This data point strongly suggests sulfate is being consumed in the process of anaerobic hydrocarbon biodegradation and the current low sulfate concentrations may be a limiting factor for continued bioremediation of the plume. Delta proposes that biodegradation may be accelerated by replenishing sulfate where depleted at the core of the plume (wells EW-1 and S-3).

WORK PLAN FOR PROPOSED BIODEGRADATION ENHANCEMENT

Delta has recently been awarded a patent for the application of sulfate for the purposes of accelerating the cleanup of soil and groundwater. With *in-situ* heterotrophic microbes and iron (ferric iron), the introduction of magnesium sulfate solution (MgSO₄ - dissolved Epsom salt), into hydrocarbon-impacted groundwater yields the following reaction:



Data show that conditions are favorable at the site for sulfate enrichment for the purpose of hydrocarbon remediation. Delta proposes a series of MgSO₄ applications and sampling for sulfate and ferrous iron to monitor the rate of breakdown of hydrocarbons in groundwater.

Prior to the first proposed magnesium sulfate introduction, wells EW-1, S-3, and S-2 will be analyzed for ferrous iron and sulfate, in addition to TPH-g, BTEX compounds, and fuel oxygenates. These three wells will be used as the source (EW-1 and S-3) and upgradient (S-2) data collection points. This information will be used to determine the remedial success of the MgSO₄ infiltration events, and will be used to make a determination for future infiltration events. Following the addition of magnesium sulfate, ferrous iron and sulfate will be added to the quarterly analytical suite for wells EW-1, S-3 and S-2.

For each infiltration event, Delta will introduce a pre-mixed solution of Epsom salt and tap water into wells EW-1 and S-3 by gravity feed. Well EW-1 is screened approximately between 10 and 20 feet bgs, providing a large vertical surface area for $MgSO_4$ infiltration into the contaminated area. The volume and concentration of the infiltration solution are determined by several factors: site layout conditions, contaminant concentrations, soil types encountered in the vicinity of EW-1 and S-3, estimated pore space volume, and a target source area 30 feet wide by 30 feet long by 10 feet thick. The goal of these infiltration events is to raise the starting sulfate concentration in groundwater to between 3,000 and 5,000 mg/L. It is estimated that the optimal initial application into each well is approximately 200 pounds of $MgSO_4$ with the appropriate amount of water required to be determined during application.

A baseline groundwater sample from wells EW-1 and S-3 will be collected prior to the first infiltration application of $MgSO_4$. The samples will be analyzed for pH, TPH-g, BTEX compounds, MTBE, sulfate, ferrous iron and ferric iron. The groundwater in wells EW-1 and S-3 will be sampled again 4 hours after the initial application of $MgSO_4$ (for sulfate only), and once every two weeks for the following month. During the second and third months, groundwater samples will be collected once a month. The samples will be analyzed for pH, TPH-g, BTEX compounds, MTBE, sulfate and ferrous iron.

Delta will perform an additional infiltration event when the concentration of sulfate in well EW-1 decreases to approximately 1,000 mg/L. These continued applications, anticipated to be successively smaller in concentration, are necessary to maintain elevated concentrations of sulfate in order to sustain the accumulated anaerobic heterotrophic biomass. The mass of Epsom salt applied during the next application will be determined from the current TPH-g concentration at the time. Samples will be collected on the same schedule that followed the previous $MgSO_4$ application event. Based on the observed starting concentrations and typical sulfate degradation rates, an injection every two to three months is expected. Delta recommends continuing these infiltration events for two to four quarters to evaluate the remedial strategy and effectiveness of the application procedure.

REPORTING

Delta will compile a quarterly report summarizing the remedial progress at the site, including a detailed assessment of the $MgSO_4$ applications, site contaminant reductions, and recommendations for future applications. In accordance with State of California requirements for the GeoTracker database, the report, including maps, graphs, and all analytical data will be uploaded to the GeoTracker system and to the Alameda county FTP website.

LIMITATIONS

The contents of this document represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This document is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined here will be performed. This document is intended only for the use of Delta's Client and anyone else specifically listed on this document. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this document.

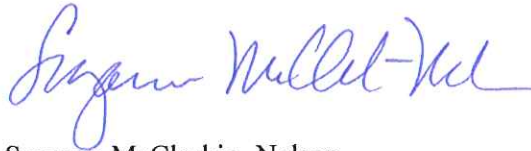
If you have any questions regarding this work plan, or need additional information about the Site, please do not hesitate to contact Suzanne McClurkin- Nelson at (408) 826-1875.

Sincerely,

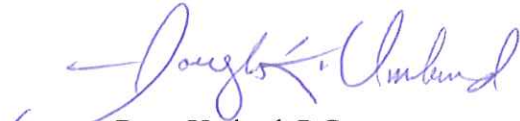
DELTA CONSULTANTS



Cora Olson
Staff Engineer



Suzanne McClurkin- Nelson
Senior Project Manager



Doug Umland, P.G.
Senior Geologist



cc: Denis Brown, Shell Oil Products US, Carson
Carl Cox, C and J Cox Corporation, Pleasanton
Colleen Winey, Zone 7 Water Agency, Livermore
Danielle Stefani, Livermore-Pleasanton Fire Department, Pleasanton

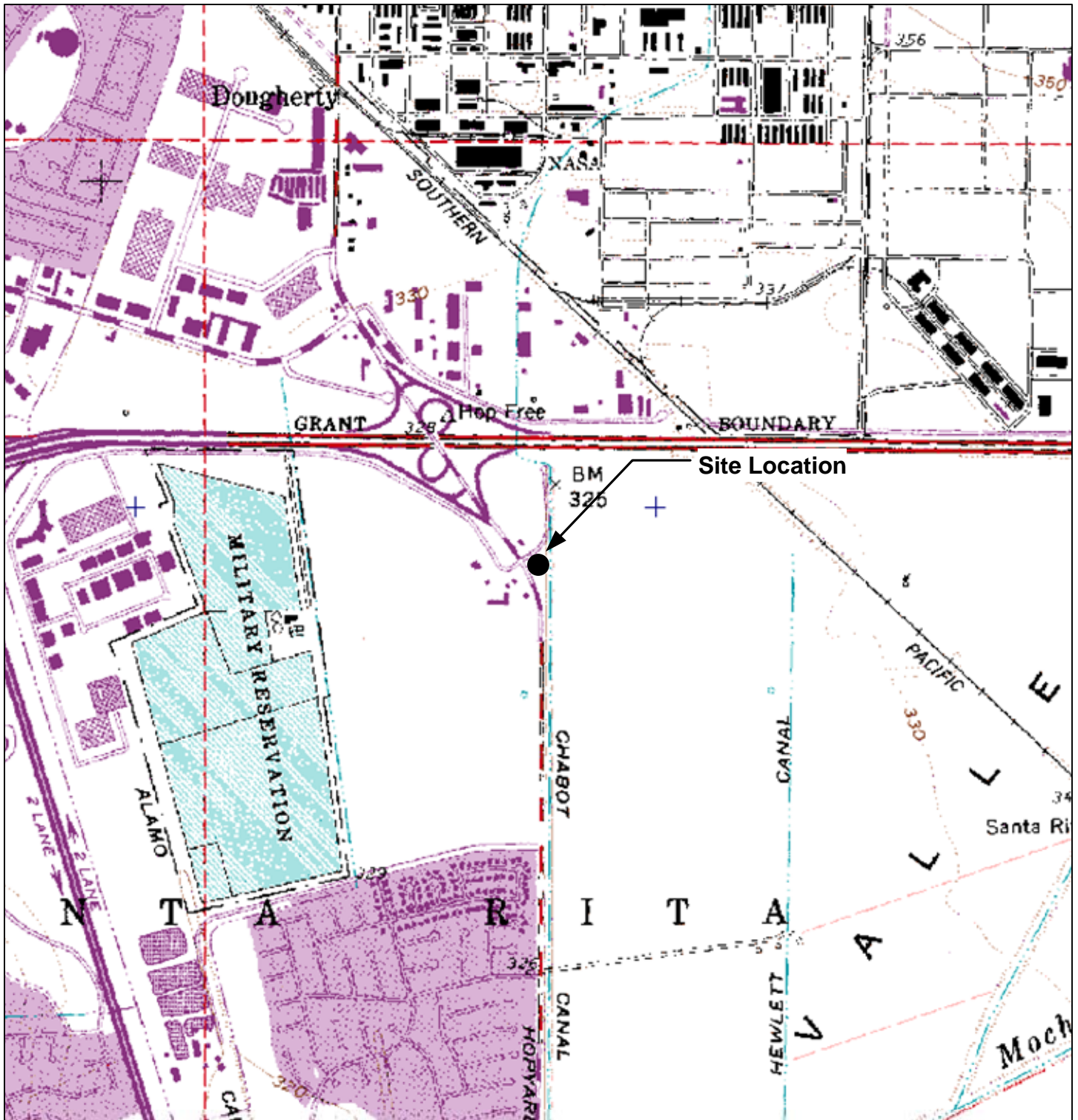
ATTACHMENTS

Figure 1 Site Location Map
Figure 2 Groundwater Elevation Contour Map – 7/6/2009
Figure 3 Groundwater Hydrocarbon Distribution Map – 7/6/2009
Table 1 MgSO₄ Application Feasibility Groundwater Testing Data
Graph 1 TPH-g vs. Sulfate Concentrations
Attachment A: Historic Boring Logs
Attachment C: Historic Well Concentrations
Attachment C: Certified Analytical Report with Chain-of-Custody Documentation

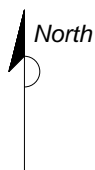
REFERENCES CITED

City of Pleasanton, 2008, Annual Water Quality Report.
Cunningham, J. A., et al., 2001, Enhanced In Situ Bioremediation of BTEX Contaminated Groundwater by Combined Injection of Nitrate and Sulfate, *Environ. Sci. Technol.*, 2001, 35, 1663-1670.
Lyle Bruce, Jim Cuthbertson, Arati Kolhatkar, J. Scott Ziegler, and Brent Graves Substantially Increasing the Hydrocarbon Degradation Rate at a Central Indiana Site., 2007
Van Stempvoort Dale R., et al., 2001, Seasonal Recharge and Replenishment of Sulfate Associated with Biodegradation of a Hydrocarbon Plume, *Ground Water Monitoring & Remediation* 27, no. 4: 110-121

FIGURES



GENERAL NOTES:
 Base Map from: DeLorme Yarmouth, ME 04096
 Source Data: USGS



QUADRANGLE LOCATION

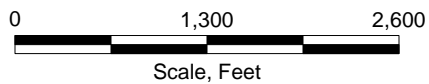


FIGURE 1
 SITE LOCATION MAP

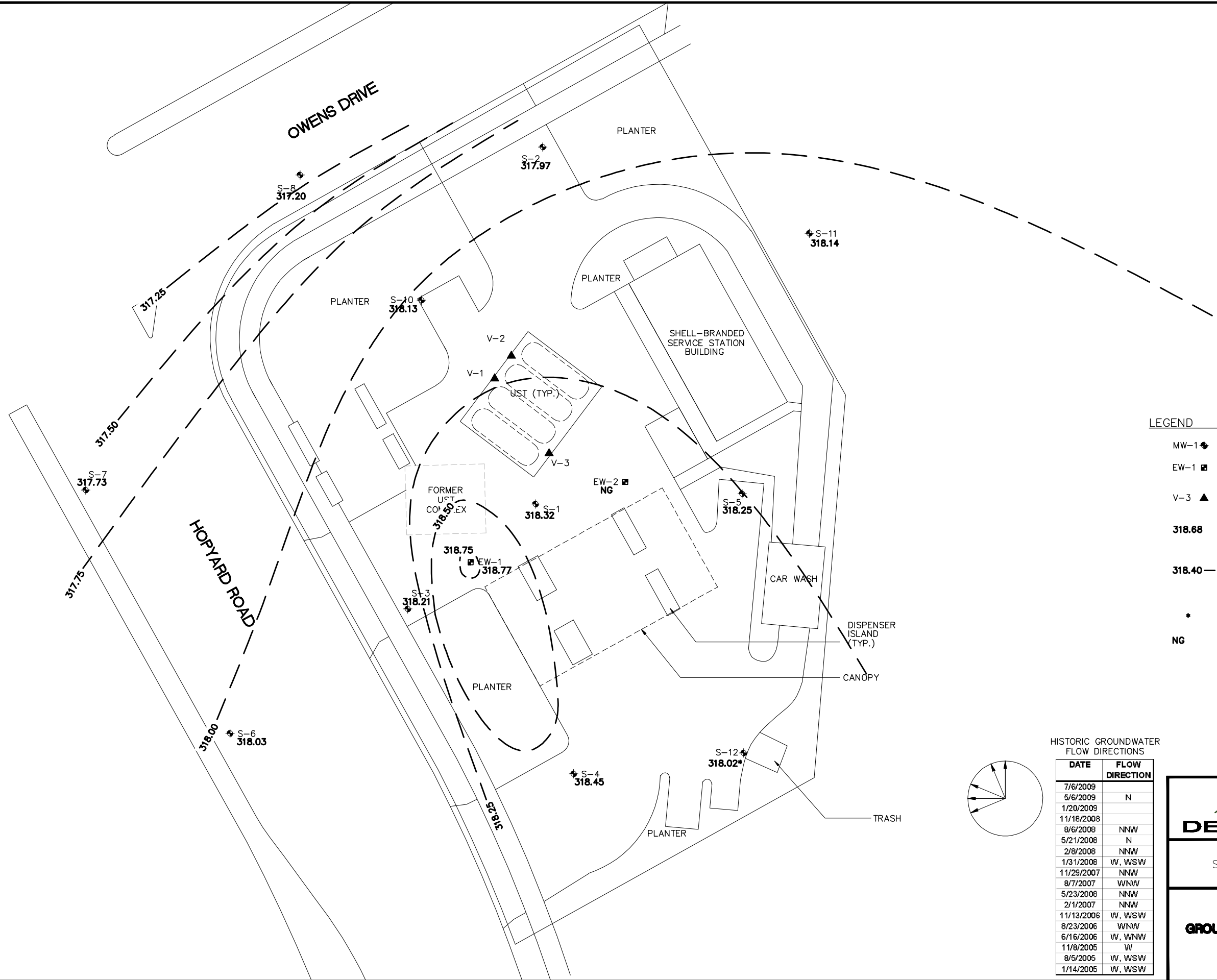
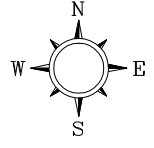
SHELL-BRANDED SERVICE STATION
 5251 Hopyard Road
 Pleasanton, California

PROJECT NO. SCA5251H1A	DRAWN BY V. F. 3/31/05
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY



PROJECT NUMBER SCA5251H1A
 APPROVED BY
 CHECKED BY
 DRAWN BY J.F.F. 8/3/2009

0 20 40
 SCALE IN FEET

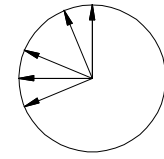


LEGEND

- MW-1 ◆ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- EW-1 ■ GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- V-3 ▲ SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
- 318.68 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
- 318.40 - - - GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=0.25 FEET
- * ANOMALOUS DATA NOT USED IN CONTOURING
- NG NOT GAUGED

HISTORIC GROUNDWATER FLOW DIRECTIONS

DATE	FLOW DIRECTION
7/6/2009	
5/6/2009	N
1/20/2009	
11/18/2008	
8/6/2008	NNW
5/21/2008	N
2/8/2008	NNW
1/31/2008	W, WSW
11/29/2007	NNW
8/7/2007	WNW
5/23/2008	NNW
2/1/2007	NNW
11/13/2006	W, WSW
8/23/2006	WNW
6/16/2006	W, WNW
11/8/2005	W
8/5/2005	W, WSW
1/14/2005	W, WSW



DELTA CONSULTANTS

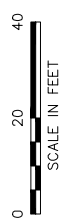
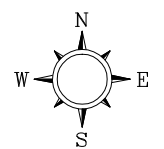
SHELL OIL PRODUCTS US
 SHELL BRANDED SERVICE STATION
 PLEASANTON, CALIFORNIA

FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP
 7/6/2009

5251 HOPYARD ROAD
 PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA5251H1A
 APPROVED BY
 CHECKED BY
 DRAWN BY J.F.F. 8/3/2009



S-10				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	340	ND<1.0	ND<2.0	5,100

S-2				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	110	ND<0.50	59	ND<10

S-9				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	ND<50	ND<0.50	ND<1.0	ND<10

S-8				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	ND<50	ND<0.50	ND<1.0	ND<10

S-11				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	ND<50	ND<0.50	ND<1.0	ND<10

S-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	5,800	25	22	180

S-7				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	58	ND<0.50	4.3	ND<10

S-5				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	62	ND<0.50	2.5	11

EW-1				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	17,000	18	ND<10	ND<100

S-3				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	2,300	500	21	ND<50

S-12				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	83	ND<0.50	37	ND<10

S-6				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	ND<50	ND<0.50	ND<1.0	ND<10

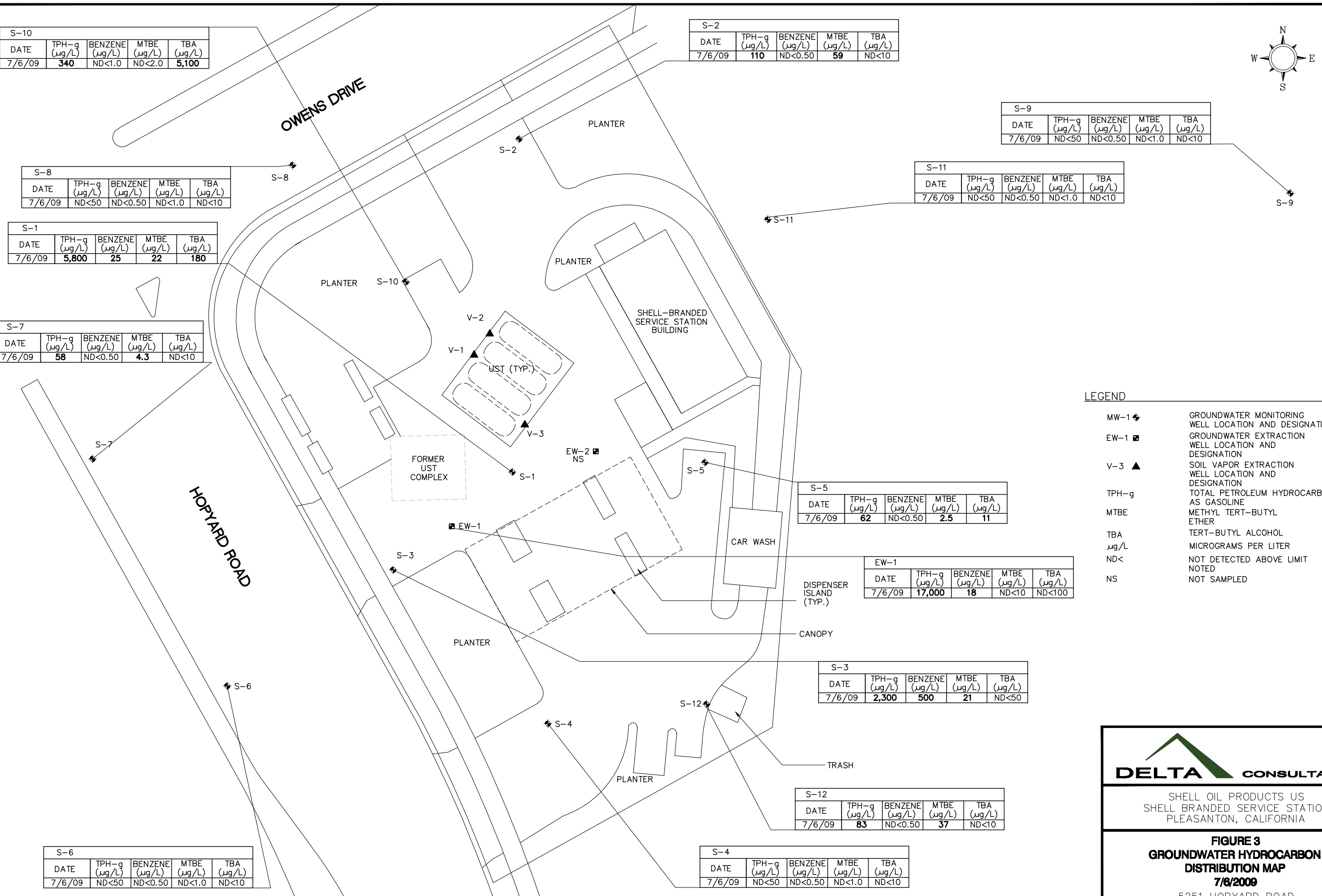
S-4				
DATE	TPH-g (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
7/6/09	ND<50	ND<0.50	ND<1.0	ND<10

- LEGEND**
- MW-1 ◆ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - EW-1 ■ GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
 - V-3 ▲ SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
 - TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
 - MTBE METHYL TERT-BUTYL ETHER
 - TBA TERT-BUTYL ALCOHOL
 - µg/L MICROGRAMS PER LITER
 - ND< NOT DETECTED ABOVE LIMIT
 - ND<10 NOTED
 - NS NOT SAMPLED

SHELL OIL PRODUCTS US
 SHELL BRANDED SERVICE STATION
 PLEASANTON, CALIFORNIA

**FIGURE 3
 GROUNDWATER HYDROCARBON
 DISTRIBUTION MAP
 7/6/2009**

5251 HOPYARD ROAD
 PLEASANTON, CALIFORNIA



TABLE

TABLE 1
MgSO₄ APPLICATION FEASIBILITY GROUNDWATER TESTING DATA

Shell-branded Service Station
 3790 Hopyard Road
 Pleasanton, California

Well ID	Date Sampled	TPH-g (ug/L)	BTEX Compounds				Fuel Oxygenates					Sulfate (mg/L)	Ferrous Iron (mg/L)
			B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)		
S-2	10/30/2009	<50	<0.50	<1.0	<1.0	<1.0	33	<2.0	<2.0	<2.0	10	540	<0.10
S-10	10/30/2009	<50	<0.50	<1.0	<1.0	<1.0	1.8	<2.0	<2.0	<2.0	860	170	<0.10
S-3	10/30/2009	2300	390	12	15	24	14	<10	<10	<10	<50	35	<0.10
EW-1	10/30/2009	8400	14	21	360	84	<2.0	<4.0	<4.0	<4.0	<20	3.1	2.1

Abbreviations:

TPH-g = Total petroleum hydrocarbons as gasoline, analyzed by EPA Method 8015

B = Benzene, analyzed by EPA Method 8260B

T = Toluene, analyzed by EPA Method 8260B

E = Ethylbenzene, analyzed by EPA Method 8260B

X = Total xylenes, analyzed by EPA Method 8260B

MTBE = Methyl tert-butyl ether, analyzed by EPA Method 8260B

DIPE = Diisopropyl 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

Sulfate - Analyzed EPA Method 300.0

Ferrous Iron - Iron (II) analyzed by SM 3500-FeB

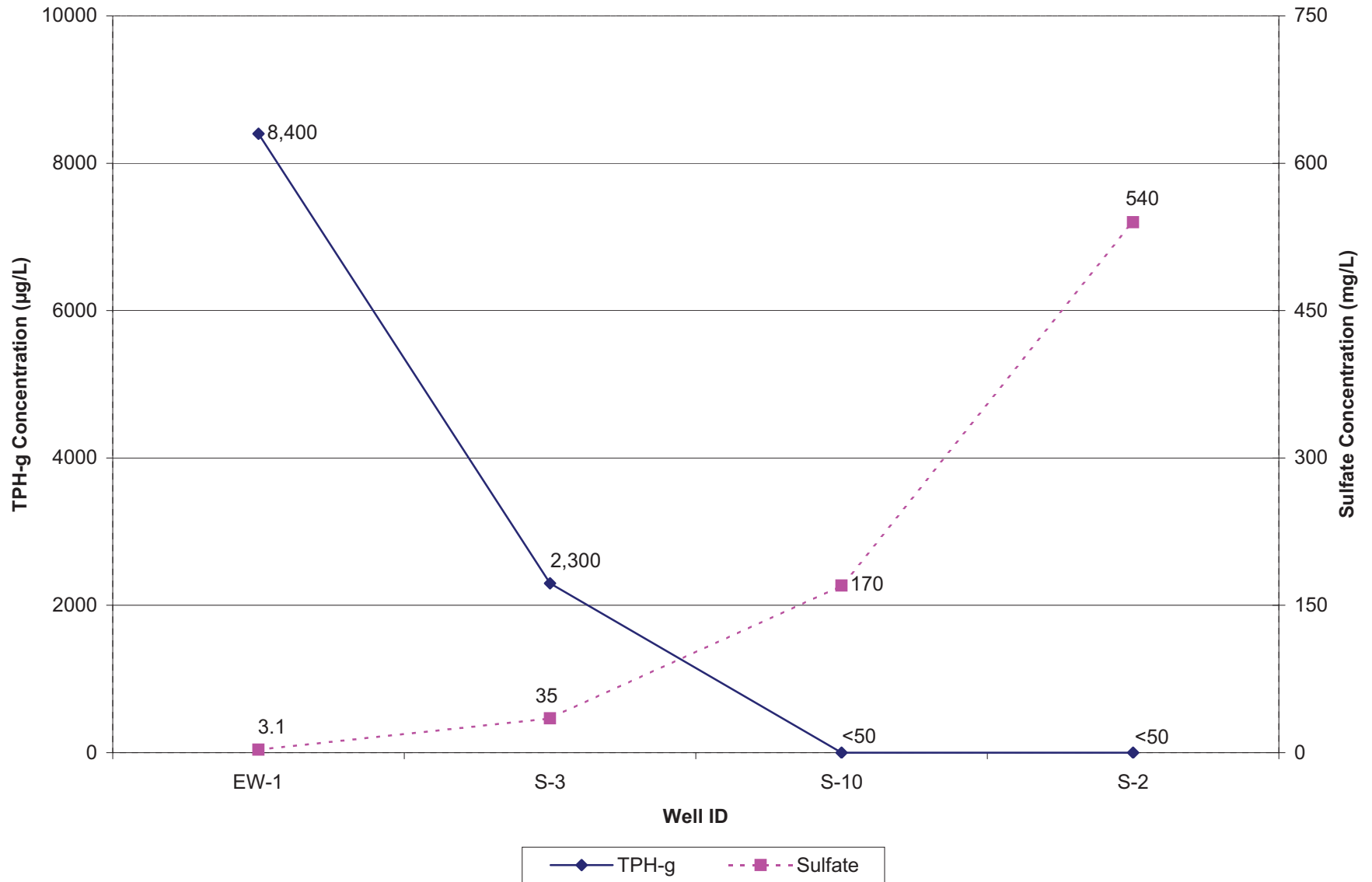
ug/L = Micrograms per liter, equivalent to parts per billion

mg/L = Milligrams per liter, equivalent to parts per million

< = Denotes no reported concentration above shown detection limit

GRAPH

GRAPH 1
TPH-G VS. SULFATE CONCENTRATIONS
Shell-Branded Service Station
5251 Hopyard Road
Pleasanton, California



APPENDIX B

**BLAINE TECH SERVICES, INC.
AND DELTA CONSULTANTS
FIELD DATA SHEETS**

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 5251 HOPKINSON RD. PLEASANTON, CA Date 2/9/10

Job Number 100209-JPI Technician J. PARLER 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-1			X					X	NO TAG
S-2								X	NO TAG
S-3								X	NO TAG
S-4								X	NO TAG
S-5								X	NO TAG
S-6								X	NO TAG
S-7								X	NO TAG
S-8								X	CHRISTY BOX, NO TAG
S-9								X	NO TAG
S-10								X	NO TAG
S-11								X	NO TAG
S-12								X	NO TAG
EW-1	X								

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

Notes: _____

WELL GAUGING DATA

Project # 100209-JPI Date 2/9/10 Client SHELL

Site 5257 HOPKINSON RD. PLEASANTON, CA.

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-1	0840	3	—	—	—	—	8.18	25.40	↓	
S-2	0828	3	—	—	—	8.20	24.20			
S-3	0832	3	—	—	—	8.36	24.19			
S-4	0836	3	—	—	—	8.59	24.20			
S-5	0855	3	—	—	—	8.90	24.21			
S-6	1000	3	—	—	—	7.99	25.58			
S-7	1005	3	—	—	—	8.15	25.10			
S-8	1100	3	—	—	—	6.91	24.69			
S-9	0900	2	—	—	—	7.80	19.72			
S-10	0823	4	—	—	—	7.90	19.25			
S-11	0905	4	—	—	—	9.99	19.84			
S-12	0850	4	—	—	—	7.97	20.22			
EW-1	0845	4	—	—	—	8.20	19.71	▼		

SHELL WELL MONITORING DATA SHEET

BTS #: 100209-JPI	Site: 5251 HOPKINS RD.
Sampler: JP	Date: 2/9/10
Well I.D.: S-2	Well Diameter: 2 (3) 4 6 8
Total Well Depth (TD): 24.10	Depth to Water (DTW): 8.10
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.40	

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

$5.9 \text{ (Gals.)} \times 3 = 17.7 \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <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> </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 (S))	Turbidity (NTUs)	Gals. Removed	Observations
1321	62.7	6.93	3065	33	5.9	
1323	63.9	6.94	3077	38	11.8	
1325	64.4	7.03	3073	32	17.7	

Did well dewater? Yes **(No)** Gallons actually evacuated: **17.7**

Sampling Date: **2/9/10** Sampling Time: **1330** Depth to Water: **11.26**

Sample I.D.: **S-2** 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 #: 100209-JPI	Site: 5251 HOPKINSON RD.
Sampler: JP	Date: 2/9/10
Well I.D.: S-4	Well Diameter: 2 (3) 4 6 8
Total Well Depth (TD): 24.20	Depth to Water (DTW): 8.59
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]: 11.71	

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

$\underline{5.8} \text{ (Gals.)} \times \underline{3} = \underline{17.4} \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1224	63.5	7.97	1197	53	5.8	
1226	64.1	7.73	1071	192	11.6	
1228	64.2	7.79	1091	173	17.4	

Did well dewater? Yes No Gallons actually evacuated: **17.4**

Sampling Date: **2/9/10** Sampling Time: **1251** Depth to Water: **9.56**

Sample I.D.: **S-4** Laboratory: **CalScience** Columbia Other _____

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

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 #: 100209-JPI	Site: 5251 HOPKINSON RD.
Sampler: JP	Date: 2/9/10
Well I.D.: 3-5	Well Diameter: 2 (3) 4 6 8
Total Well Depth (TD): 24.21	Depth to Water (DTW): 8.90
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]: 11.96	

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

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

$\underline{5.7} \text{ (Gals.)} \times \underline{3} = \underline{17.1} \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <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> </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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1241	61.3	6.61	1447	49	5.7	
1243	62.2	6.40	1435	37	11.4	
1245	62.5	6.53	1437	23	17.1	

Did well dewater? Yes **(No)** Gallons actually evacuated: **17.1**

Sampling Date: **2/9/10** Sampling Time: **1305** Depth to Water: **9.35**

Sample I.D.: **3-5** 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 #: 100209-JPI	Site: 5251 HOWARD RD.
Sampler: JP	Date: 2/9/10
Well I.D.: S-6	Well Diameter: 2 (3) 4 6 8 _____
Total Well Depth (TD): 25.58	Depth to Water (DTW): 7.99
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]: TRAFFIC	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

$\underline{6.5} \text{ (Gals.)} \times \underline{3} = \underline{19.5} \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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
1014	67.4	6.08	7562	91	6.5	
1016	68.1	8.36	8041	118	13.0	
1018	WELL DEWATERED @ 15 GALLONS					
1020	65.8	7.47	6971	130	—	

Did well dewater? Yes No Gallons actually evacuated: **15**

Sampling Date: **2/9/10** Sampling Time: **1020** Depth to Water: **16.31**

Sample I.D.: ~~B-6~~ **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

SHELL WELL MONITORING DATA SHEET

BTS #: 100209-JPI	Site: 5251 HOWARD RD.
Sampler: JP	Date: 2/9/10
Well I.D.: 8-9	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 19.72	Depth to Water (DTW): 7.80
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]: 10.18	

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

1.9 (Gals.) X **3** = **5.7** Gals.
 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 μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1132	64.4	7.23	4018	932	1.9	
1136	64.8	8.34	4082	>1000	3.8	
1140	64.7	8.30	4075	>1000	5.7	

Did well dewater? Yes No Gallons actually evacuated: **5.7**

Sampling Date: **2/9/10** Sampling Time: **1145** Depth to Water: **8.98**

Sample I.D.: **8-9** Laboratory: **(CalScience)** Columbia Other _____

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

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 #: 100209-JPI	Site: 5251 HOPKINSON RD.
Sampler: JP	Date: 2/9/10
Well I.D.: 8-10	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 19.25	Depth to Water (DTW): 7.90
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]: 10.17	

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: _____

$7.4 \text{ (Gals.)} \times 3 = 22.2 \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
1406	63.6	7.38	2264	552	7.4	
1408	64.3	7.32	2209	309	14.8	
1410	64.8	7.40	2198	71000	22.2	

Did well dewater? Yes No Gallons actually evacuated: 22.2

Sampling Date: 2/9/10 Sampling Time: 1420 Depth to Water: 9.93

Sample I.D.: 8-10 Laboratory: CalScience Columbia Other _____

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

EB I.D. (if applicable): @ _____ 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 #: 100209-JPI	Site: 5251 HOPKINSON RD.
Sampler: JP	Date: 2/9/10
Well I.D.: S-11	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 19.84	Depth to Water (DTW): 9.99
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.96	

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

$\underline{6.4} \text{ (Gals.)} \times \underline{3} = \underline{19.2} \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1159	64.8	7.07	6366	266	6.4	
1201	65.3	7.19	6167	198	12.8	
1203	65.6	7.21	6206	193	19.2	

Did well dewater? Yes No Gallons actually evacuated: 19.2

Sampling Date: 2/9/10 Sampling Time: 1210 Depth to Water: 11.86

Sample I.D.: 3-11 Laboratory: CalScience Columbia Other _____

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

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 #: 100209-JPI	Site: 5251 HOPKINSON RD.
Sampler: JP	Date: 2/9/10
Well I.D.: S-12	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 20.22	Depth to Water (DTW): 7.97
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]: 10.42	

Purge Method: Bailer	Waterra	Sampling Method: <input checked="" type="checkbox"/> Bailer
Disposable Bailer	Peristaltic	Disposable Bailer
Positive Air Displacement	Extraction Pump	Extraction Port
<input checked="" type="checkbox"/> Electric Submersible	Other _____	Dedicated Tubing
Other: _____		

$\underline{3.0} \text{ (Gals.)} \times \underline{3} = \underline{24.0} \text{ Gals.}$	<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
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1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														
I Case Volume	Specified Volumes	Calculated Volume															

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1341	61.0	7.09	2082	171	3.6	
1343	61.7	7.14	1982	93	16.0	
1345	62.3	7.21	1953	166	24.0	

Did well dewater? Yes No Gallons actually evacuated: **24.0**

Sampling Date: **2/9/10** Sampling Time: **1355** Depth to Water: **10.16**

Sample I.D.: **S-12** Laboratory: **(CalScience)** Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: ~~SEE~~ **CDC**

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 #: 100209-JPI	Site: 5251 HOPKINSON RD.
Sampler: JP	Date: 2/9/10
Well I.D.: EW-1	Well Diameter: 2 3 (4) 6 8 _____
Total Well Depth (TD): 19.71	Depth to Water (DTW): 8.20
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.50	

Purge Method: <input type="checkbox"/> Bailer	Waterra	Sampling Method: <input checked="" type="checkbox"/> Bailer
<input type="checkbox"/> Disposable Bailer	<input type="checkbox"/> Peristaltic	<input type="checkbox"/> Disposable Bailer
<input type="checkbox"/> Positive Air Displacement	<input type="checkbox"/> Extraction Pump	<input type="checkbox"/> Extraction Port
<input checked="" type="checkbox"/> Electric Submersible	Other _____	<input type="checkbox"/> Dedicated Tubing
Other: _____		

$7.5 \text{ (Gals.)} \times 3 = 22.5 \text{ Gals.}$	<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	
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1"	0.04	4"	0.65															
2"	0.16	6"	1.47															
3"	0.37	Other	radius ² * 0.163															
1 Case Volume	Specified Volumes	Calculated Volume																

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1443	65.4	6.71	1448	32	7.5	
1445	65.9	6.94	1350	22	15.0	
1447	66.2	7.04	1327	51	22.5	

Did well dewater? Yes No Gallons actually evacuated: **22.5**

Sampling Date: **2/9/10** Sampling Time: **1520** Depth to Water: **9.61**

Sample I.D.: **EW-1** Laboratory: **(CalScience)** Columbia Other _____

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

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



FIELD WORK LOG

CLIENT: Shell

JOB NO. SCA 251 H10

PERSONNEL: Matt Lambert

DATE: 4/8/10

TIME	NOTES/OBSERVATIONS
9:00	Arrived on site → H&S meeting
9:30	→ signed JEF & checked in w/ station Confirmed samples + Application wells w/ PM (SWM)
9:45	EW-1 samples
10:15	S-3 samples
10:35	S-1 samples
	→ moved truck to S-10
11:15	S-10 samples
	→ moved truck to S-2
11:35	S-2 samples
11:50	→ moved truck to EW-1 location, transferred MgSO ₄ to application drum and set up tubing
	for MgSO ₄ application to EW-1
12:25	Began EW-1 / MgSO ₄ application.
1:10	Finished EW-1 MgSO ₄ application
1:20	Began S-3 MgSO ₄ application
3:30	3:00 Finished S-3 MgSO ₄ application
5:10	EW-1 B Sample
7:30	S-3 B Sample
7:40	Left site.

SIGNATURE: [Signature]

DATE: 4/8/10

PAGE 1 OF 1

Site Name Hooper Shell

Date 4/8/10

Site # 225251

Field Staff Walt Lambert

Samples Taken

Well	Date	Time	Analysis	Notes
EW-1	4/8/10	9:45	TPH-g, BTEX, MTBE, sulfate	DTW = 7.81, pH = 7.05
S-2	4/8/10	11:35	ferrous iron, ferric iron	DTW = 8.14, pH = 7.52
S-3	4/8/10	10:15	"	DTW = 8.45, pH = 7.46
S-1	4/8/10	10:35	"	DTW = 7.95, pH = 7.49
S-10	4/8/10	11:15	"	DTW = 7.68, pH = 7.71
EW-1B	4/8/10	17:10	Sulfate Only	DTW =
S-3B	4/8/10	19:00	Sulfate Only	DTW =

MgSO4 Application

Well	Date	Time		EOS Amount (gal)	Notes
		Start	End		
EW-1	4/8/10	12:25	13:10	55	4" well
S-3	4/8/10	13:20	15:30	55	3" well, slower...

Site Name 5251 Hopyard
 Site # 525251H
 Samples Taken

Date 5/7/10
 Field Staff M. Lambert

Well	Date	Time	Analysis	Notes
EW-1	5/7/10		pH, TPT, BTEX, MTBE	Fe²⁺ = , pH = 7 unable to sample
S-3	5/7/10	10:05	Sulfate, Ferrrous iron, Ferric iron	Fe ²⁺ = 2.0 ug/L, pH = 6.96
EW-1	5/11/10	9:45	"	Fe ²⁺ = 2.4 ug/L pH = 7.24
S-3	5/11/10	9:55	"	Fe ²⁺ = 4.8 ug/L pH = 7.11
				↑ Sulfate on separate COC w/ 48hr TAT.

MgSO4 Application

Well	Date	Time		EOS Amount (gal)	Notes
		Start	End		

APPENDIX C

**BLAINE TECH SERVICES, INC.
FIELD PROCEDURES**

BLAINE

TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

February 26, 2010

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

First Quarter 2010 Groundwater Monitoring at
Shell-branded Service Station
5251 Hopyard Road
Pleasanton, CA

Monitoring performed on February 9, 2010

Groundwater Monitoring Report **100209-JP-1**

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

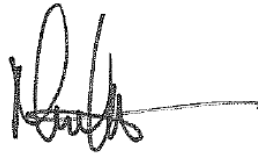
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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

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

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Mike Ninokata", with a long horizontal flourish extending to the right.

Mike Ninokata
Project Manager

MN/np

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

cc: Suzanne McClurkin-Nelson
Delta Environmental
175 Bernal Rd., Suite 200
San Jose, CA 95119

BLAINE TECH SERVICES, INC. METHODS AND PROCEDURES FOR THE ROUTINE MONITORING OF GROUNDWATER WELLS AT SHELL SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

All groundwater monitoring assignments performed for Shell comply with Shell's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Shell site.

INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic water level indicators that are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of immiscibles. When free product is suspected, its presence is confirmed using an electronic interface probe (e.g. MMC). No samples are collected from a well containing over two-hundredths of a foot (0.02') of product.

EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewateres and does not immediately recharge.

MEASURING RECHARGE

Upon completion of well purging, a depth to water measurement is collected and notated to ensure that the well has recharged to within 80% of its static, pre-purge level prior to sampling.

Wells that do not immediately show 80% recharge or dewatered wells will be allowed a minimum of 2 hours to recharge prior to sampling. The water level at time of sampling will be noted.

PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to a Shell approved disposal facility.

SAMPLE COLLECTION DEVICES

All samples are collected using a stainless steel, Teflon or disposable bailers.

SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

TRIP BLANKS

Trip Blanks, if requested, are taken to the site and kept inside the sample cooler for the duration of the event. They are turned over to the laboratory for analysis with the samples from that site.

DUPLICATES

Duplicates, if requested, may be collected at a site. The Field Technician uses their discretion in choosing the well at which the Duplicate is collected, typically one suspected of containing measurable contaminants. The Duplicate sample is labeled "DUP" and the time of collection is omitted from the COC, thus rendering the sample blind.

SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the designated analytical laboratory. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

DOCUMENTATION CONVENTIONS

A label must be affixed to all sample containers. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time and date of sample collection along with the initials of the person who collects the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

DISSOLVED OXYGEN READINGS

Dissolved Oxygen readings are taken pre- and/or post-purge using YSI meters (e.g. YSI Model 54, 58 or 95) or HACH field test kits.

The YSI meters are equipped with a stirring device that enables them to collect accurate in-situ readings. The probe/stirring devices are modified to allow downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe and stirrer is lowered into the water column. The reading is allowed to stabilize prior to collection.

OXYIDATON REDUCTION POTENTIAL READINGS

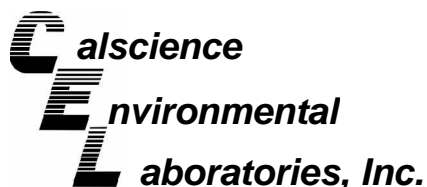
All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.

APPENDIX D

CERTIFIED ANALYTICAL REPORTS
WITH CHAIN-OF-CUSTODY DOCUMENTATION



February 22, 2010

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

Subject: **Calscience Work Order No.: 10-02-1022**
Client Reference: 5251 Hopyard Rd., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/11/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. 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,

A handwritten signature in cursive script that reads "Philip Samelle for".

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

Analytical Report



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

Date Received: 02/11/10
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 5251 Hopyard Rd., Pleasanton, CA

Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-1	10-02-1022-1-A	02/09/10 15:30	Aqueous	GC/MS UU	02/13/10	02/14/10 07:41	100213L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	18	2.5	5		Methyl-t-Butyl Ether (MTBE)	13	5.0	5	
Ethylbenzene	340	5.0	5		Tert-Butyl Alcohol (TBA)	66	50	5	
Toluene	33	5.0	5		TPPH	8800	250	5	
Xylenes (total)	37	5.0	5						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	93	80-132			1,2-Dichloroethane-d4	112	80-141		
Toluene-d8	104	80-120			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	97	76-120							

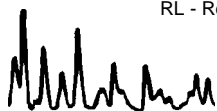
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	10-02-1022-2-B	02/09/10 13:30	Aqueous	GC/MS PP	02/15/10	02/15/10 15:43	100215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	42	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	62	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-132			1,2-Dichloroethane-d4	110	80-141		
Toluene-d8	102	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	99	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	10-02-1022-3-B	02/09/10 15:15	Aqueous	GC/MS PP	02/15/10	02/15/10 16:10	100215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	180	0.50	1		Methyl-t-Butyl Ether (MTBE)	12	1.0	1	
Ethylbenzene	11	1.0	1		Tert-Butyl Alcohol (TBA)	32	10	1	
Toluene	4.7	1.0	1		TPPH	1400	50	1	
Xylenes (total)	13	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	91	80-132			1,2-Dichloroethane-d4	101	80-141		
Toluene-d8	103	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	103	76-120							

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



Analytical Report



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

Date Received: 02/11/10
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 5251 Hopyard Rd., Pleasanton, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-4	10-02-1022-4-B	02/09/10 12:51	Aqueous	GC/MS PP	02/15/10	02/15/10 13:56	100215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-132			1,2-Dichloroethane-d4	103	80-141		
Toluene-d8	103	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	97	76-120							

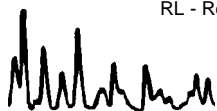
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-5	10-02-1022-5-B	02/09/10 13:05	Aqueous	GC/MS PP	02/15/10	02/15/10 16:37	100215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.3	0.50	1		Methyl-t-Butyl Ether (MTBE)	2.4	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	130	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	100	80-132			1,2-Dichloroethane-d4	106	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	97	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-6	10-02-1022-6-B	02/09/10 10:20	Aqueous	GC/MS PP	02/15/10	02/15/10 17:04	100215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	98	80-132			1,2-Dichloroethane-d4	106	80-141		
Toluene-d8	103	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	95	76-120							

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



Analytical Report



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

Date Received: 02/11/10
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 5251 Hopyard Rd., Pleasanton, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-7	10-02-1022-7-B	02/09/10 10:40	Aqueous	GC/MS PP	02/15/10	02/15/10 17:30	100215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	8.4	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	107	80-132			1,2-Dichloroethane-d4	107	80-141		
Toluene-d8	103	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	96	76-120							

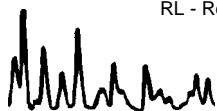
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-8	10-02-1022-8-C	02/09/10 11:15	Aqueous	GC/MS PP	02/16/10	02/16/10 16:56	100216L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	99	80-132			1,2-Dichloroethane-d4	108	80-141		
Toluene-d8	102	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	99	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-9	10-02-1022-9-B	02/09/10 11:45	Aqueous	GC/MS PP	02/15/10	02/15/10 18:24	100215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	103	80-132			1,2-Dichloroethane-d4	112	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	99	76-120							

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



Analytical Report



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

Date Received: 02/11/10
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 5251 Hopyard Rd., Pleasanton, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10	10-02-1022-10-C	02/09/10 14:20	Aqueous	GC/MS PP	02/16/10	02/16/10 17:22	100216L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	1.7	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	1400	50	5	
Toluene	ND	1.0	1		TPPH	65	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	106	80-132			1,2-Dichloroethane-d4	120	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	99	76-120							

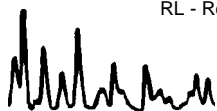
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-11	10-02-1022-11-B	02/09/10 12:10	Aqueous	GC/MS PP	02/15/10	02/15/10 19:18	100215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	104	80-132			1,2-Dichloroethane-d4	112	80-141		
Toluene-d8	101	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	98	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-12	10-02-1022-12-B	02/09/10 13:55	Aqueous	GC/MS PP	02/15/10	02/15/10 19:45	100215L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	26	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	11	10	1	
Toluene	ND	1.0	1		TPPH	57	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	104	80-132			1,2-Dichloroethane-d4	116	80-141		
Toluene-d8	98	80-120			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	98	76-120							

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



Analytical Report



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

Date Received: 02/11/10
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 5251 Hopyard Rd., Pleasanton, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EW-1	10-02-1022-13-C	02/09/10 15:20	Aqueous	GC/MS PP	02/16/10	02/16/10 17:49	100216L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	13	2.5	5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	5	
Ethylbenzene	490	5.0	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
Toluene	41	5.0	5		TPPH	12000	250	5	
Xylenes (total)	120	5.0	5						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	100	80-132			1,2-Dichloroethane-d4	108	80-141		
Toluene-d8	101	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	98	76-120							

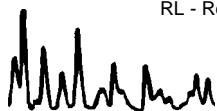
Method Blank	099-12-767-3,408	N/A	Aqueous	GC/MS UU	02/13/10	02/14/10 00:55	100213L02
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	110	80-132			1,2-Dichloroethane-d4	128	80-141		
Toluene-d8	101	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	87	76-120							

Method Blank	099-12-767-3,410	N/A	Aqueous	GC/MS PP	02/15/10	02/15/10 13:30	100215L01
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Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	98	80-132			1,2-Dichloroethane-d4	105	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	99	88-112		
1,4-Bromofluorobenzene	100	76-120							

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



Analytical Report



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

Date Received: 02/11/10
 Work Order No: 10-02-1022
 Preparation: EPA 5030B
 Method: LUFT GC/MS / EPA 8260B
 Units: ug/L

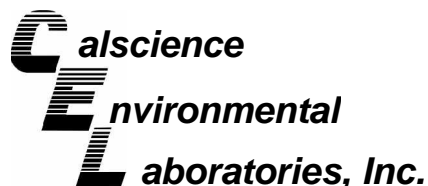
Project: 5251 Hopyard Rd., Pleasanton, CA

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-3,415	N/A	Aqueous	GC/MS PP	02/16/10	02/16/10 14:04	100216L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	104	80-132			1,2-Dichloroethane-d4	108	80-141		
Toluene-d8	100	80-120			Toluene-d8-TPPH	100	88-112		
1,4-Bromofluorobenzene	95	76-120							

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



Quality Control - Spike/Spike Duplicate



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

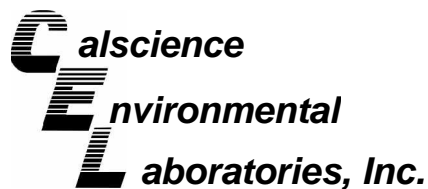
Date Received: 02/11/10
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-02-1096-6	Aqueous	GC/MS UU	02/13/10	02/14/10	100213S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	99	72-120	1	0-20	
Carbon Tetrachloride	101	104	63-135	4	0-20	
Chlorobenzene	98	98	80-120	1	0-20	
1,2-Dibromoethane	99	100	80-120	1	0-20	
1,2-Dichlorobenzene	92	90	80-120	3	0-20	
1,1-Dichloroethene	96	96	60-132	0	0-24	
Ethylbenzene	99	98	78-120	1	0-20	
Toluene	96	97	74-122	1	0-20	
Trichloroethene	103	103	69-120	0	0-20	
Vinyl Chloride	88	90	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	94	97	72-126	3	0-21	
Tert-Butyl Alcohol (TBA)	112	108	72-126	4	0-20	
Diisopropyl Ether (DIPE)	107	109	71-137	2	0-23	
Ethyl-t-Butyl Ether (ETBE)	95	98	74-128	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	91	93	76-124	3	0-20	
Ethanol	136	103	35-167	28	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

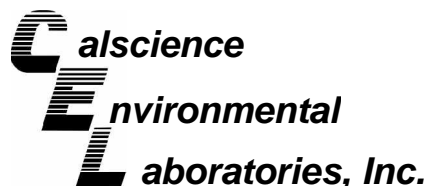
Date Received: 02/11/10
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-4	Aqueous	GC/MS PP	02/15/10	02/15/10	100215S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	110	72-120	4	0-20	
Carbon Tetrachloride	102	105	63-135	2	0-20	
Chlorobenzene	104	108	80-120	3	0-20	
1,2-Dibromoethane	103	101	80-120	1	0-20	
1,2-Dichlorobenzene	102	107	80-120	4	0-20	
1,1-Dichloroethene	105	109	60-132	4	0-24	
Ethylbenzene	111	111	78-120	1	0-20	
Toluene	107	112	74-122	5	0-20	
Trichloroethene	107	110	69-120	3	0-20	
Vinyl Chloride	101	105	58-130	4	0-20	
Methyl-t-Butyl Ether (MTBE)	103	107	72-126	4	0-21	
Tert-Butyl Alcohol (TBA)	103	106	72-126	3	0-20	
Diisopropyl Ether (DIPE)	102	106	71-137	4	0-23	
Ethyl-t-Butyl Ether (ETBE)	101	104	74-128	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	104	110	76-124	6	0-20	
Ethanol	104	119	35-167	14	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



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

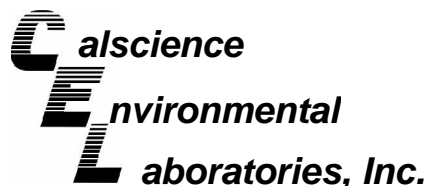
Date Received: 02/11/10
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

Project 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-02-1108-24	Aqueous	GC/MS PP	02/16/10	02/16/10	100216S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	99	72-120	5	0-20	
Carbon Tetrachloride	105	106	63-135	1	0-20	
Chlorobenzene	101	100	80-120	2	0-20	
1,2-Dibromoethane	94	95	80-120	1	0-20	
1,2-Dichlorobenzene	101	101	80-120	0	0-20	
1,1-Dichloroethene	103	99	60-132	4	0-24	
Ethylbenzene	107	104	78-120	3	0-20	
Toluene	106	102	74-122	4	0-20	
Trichloroethene	109	103	69-120	6	0-20	
Vinyl Chloride	97	95	58-130	3	0-20	
Methyl-t-Butyl Ether (MTBE)	99	93	72-126	4	0-21	
Tert-Butyl Alcohol (TBA)	98	99	72-126	1	0-20	
Diisopropyl Ether (DIPE)	98	96	71-137	3	0-23	
Ethyl-t-Butyl Ether (ETBE)	100	95	74-128	5	0-20	
Tert-Amyl-Methyl Ether (TAME)	108	99	76-124	9	0-20	
Ethanol	114	108	35-167	6	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-3,408	Aqueous	GC/MS UU	02/13/10	02/13/10	100213L02		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	100	98	80-122	73-129	2	0-20	
Carbon Tetrachloride	100	99	68-140	56-152	1	0-20	
Chlorobenzene	100	98	80-120	73-127	1	0-20	
1,2-Dibromoethane	101	103	80-121	73-128	1	0-20	
1,2-Dichlorobenzene	97	96	80-120	73-127	1	0-20	
1,1-Dichloroethene	100	96	72-132	62-142	4	0-25	
Ethylbenzene	102	101	80-126	72-134	1	0-20	
Toluene	100	99	80-121	73-128	1	0-20	
Trichloroethene	106	105	80-123	73-130	1	0-20	
Vinyl Chloride	89	85	67-133	56-144	5	0-20	
Methyl-t-Butyl Ether (MTBE)	99	97	75-123	67-131	2	0-20	
Tert-Butyl Alcohol (TBA)	99	105	75-123	67-131	6	0-20	
Diisopropyl Ether (DIPE)	110	107	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	101	99	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	97	98	80-123	73-130	1	0-20	
Ethanol	100	96	61-139	48-152	3	0-27	
TPPH	97	99	65-135	53-147	3	0-30	

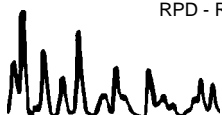
Total number of LCS compounds : 17

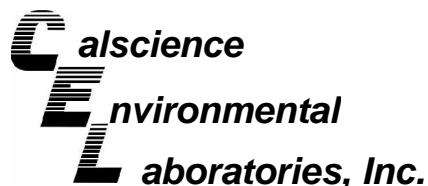
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-3,410	Aqueous	GC/MS PP	02/15/10	02/15/10	100215L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	99	104	80-122	73-129	6	0-20	
Carbon Tetrachloride	93	104	68-140	56-152	11	0-20	
Chlorobenzene	99	103	80-120	73-127	4	0-20	
1,2-Dibromoethane	95	97	80-121	73-128	1	0-20	
1,2-Dichlorobenzene	96	106	80-120	73-127	10	0-20	
1,1-Dichloroethene	100	109	72-132	62-142	8	0-25	
Ethylbenzene	103	106	80-126	72-134	3	0-20	
Toluene	102	107	80-121	73-128	5	0-20	
Trichloroethene	105	105	80-123	73-130	0	0-20	
Vinyl Chloride	96	99	67-133	56-144	3	0-20	
Methyl-t-Butyl Ether (MTBE)	97	109	75-123	67-131	11	0-20	
Tert-Butyl Alcohol (TBA)	98	98	75-123	67-131	0	0-20	
Diisopropyl Ether (DIPE)	98	106	71-131	61-141	8	0-20	
Ethyl-t-Butyl Ether (ETBE)	98	105	76-124	68-132	7	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	110	80-123	73-130	8	0-20	
Ethanol	101	98	61-139	48-152	3	0-27	
TPPH	94	92	65-135	53-147	2	0-30	

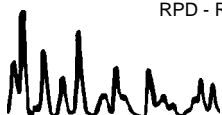
Total number of LCS compounds : 17

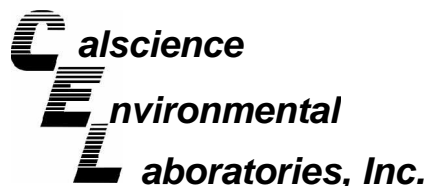
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 10-02-1022
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-767-3,415	Aqueous	GC/MS PP	02/16/10	02/16/10	100216L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	97	94	80-122	73-129	3	0-20	
Carbon Tetrachloride	98	95	68-140	56-152	3	0-20	
Chlorobenzene	102	98	80-120	73-127	4	0-20	
1,2-Dibromoethane	96	94	80-121	73-128	3	0-20	
1,2-Dichlorobenzene	96	99	80-120	73-127	3	0-20	
1,1-Dichloroethene	101	93	72-132	62-142	8	0-25	
Ethylbenzene	108	97	80-126	72-134	10	0-20	
Toluene	100	98	80-121	73-128	3	0-20	
Trichloroethene	99	96	80-123	73-130	4	0-20	
Vinyl Chloride	91	88	67-133	56-144	4	0-20	
Methyl-t-Butyl Ether (MTBE)	93	98	75-123	67-131	5	0-20	
Tert-Butyl Alcohol (TBA)	94	91	75-123	67-131	3	0-20	
Diisopropyl Ether (DIPE)	92	93	71-131	61-141	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	92	93	76-124	68-132	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	97	100	80-123	73-130	2	0-20	
Ethanol	129	105	61-139	48-152	20	0-27	
TPPH	93	90	65-135	53-147	3	0-30	

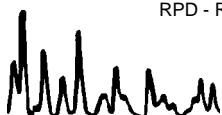
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

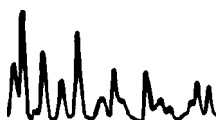
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 10-02-1022

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
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.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
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.
N	Nontarget Analyte.
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.
U	Undetected at the laboratory method detection limit.
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.



LAB (LOCATION)

- CALSCIENCE (_____)
- SPL (_____)
- XENCO (_____)
- TEST AMERICA (_____)
- OTHER (_____)



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input checked="" type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: Suzanne McClurkin-Nelson
Denis Brown

INCIDENT # (ENV SERVICES) 9 8 9 9 5 8 4 3

PO # _____ **SAP #** _____

CHECK IF NO INCIDENT # APPLIES

DATE: 2/9/10 **PAGE:** 2 of 2

SAMPLING COMPANY: Blaine Tech Services **LOG CODE:** BTSS

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

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

TELEPHONE: (408)573-0555 **FAX:** (408)573-7774 **E-MAIL:** mnihokata@blainetech.com

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: CC Suzanne McClurkin-Nelson w/final report smcclurkin-nelson@deltaenv.com

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

EDF DELIVERABLE TO (Name, Company, Office Location): Angela Pico, Delta, San Jose Office **PHONE NO:** 408.826.1862 **E-MAIL:** apico@deltaenv.com **CONSULTANT PROJECT NO:** BTS# 1002091-JPI

SAMPLER NAME(S) (Print): J. PARKER **LAB USE ONLY:** 02-1022

LAB USE ONLY	Field Sample Identification		SAMPLING		PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS											TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes					
			DATE	TIME	MATRIX	HCL	HNO3	H2SO4	NONE		OTHER	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)		
	11	S-11	2/9	1210	W						3	X	X	X	X													
	12	S-12	↓	1355	↓	↓					↓	X	X	X	X													
	13	EW-1	↓	1520	↓	↓	↓				↓	X	X	X	X													

Relinquished by: (Signature)	Received by: (Signature)	Date: 2/9/10	Time: 1645
Relinquished by: (Signature) (Sample Custodian)	Received by: (Signature) CEL	Date: 2/10/10	Time: 1110
Relinquished by: (Signature) 20 2-10-10 650 1730	Received by: (Signature)	Date: 2/11/10	Time: 1030

1022



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:
 ETIC, BTS, CONOCO PHILLIPS

Delivery Instructions:

Signature Type:
 SIGNATURE REQUIRED

Tracking #: 513549106



NPS

ORC

D

GARDEN GROVE

D92843A



79232566

Print Date : 02/10/10 15:37 PM

Package 1 of 1

Print All

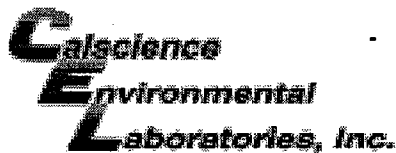
LABEL INSTRUCTIONS:

- 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:

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 are not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.



WORK ORDER #: 10-02-1022

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 02/11/10

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

Temperature 3.1 °C + 0.5°C (CF) = 3.6 °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 Metals Only PCBs Only Initial: JP

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: JP

Sample _____ No (Not Intact) Not Present Initial: BL

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

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

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

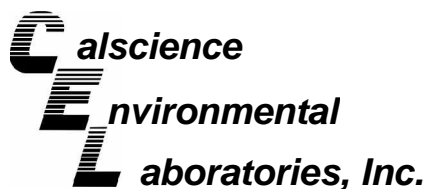
500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Checked by:** JP

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

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ Na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered **Scanned by:** BL



April 23, 2010

Suzanne McClurkin
Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Subject: **CalScience Work Order No.: 10-04-0776**
Client Reference: 5251 Hopyard Rd., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/10/2010 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. 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,

A handwritten signature in cursive script that reads 'Philip Samelle for'.

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

Analytical Report



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 04/10/10
Work Order No: 10-04-0776
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 5251 Hopyard Rd., Pleasanton, CA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EW-1	10-04-0776-1-E	04/08/10 09:45	Aqueous	ICP 5300	04/12/10	04/12/10 20:54	100412LA4

Parameter	Result	RL	DF	Qual	Units
Iron	10.2	0.100	1		mg/L

S-3	10-04-0776-2-E	04/08/10 10:15	Aqueous	ICP 5300	04/12/10	04/12/10 21:00	100412LA4
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Parameter	Result	RL	DF	Qual	Units
Iron	1.82	0.100	1		mg/L

S-1	10-04-0776-3-E	04/08/10 10:35	Aqueous	ICP 5300	04/12/10	04/12/10 21:01	100412LA4
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Parameter	Result	RL	DF	Qual	Units
Iron	0.511	0.100	1		mg/L

S-10	10-04-0776-4-E	04/08/10 11:15	Aqueous	ICP 5300	04/12/10	04/12/10 21:03	100412LA4
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Parameter	Result	RL	DF	Qual	Units
Iron	0.915	0.100	1		mg/L

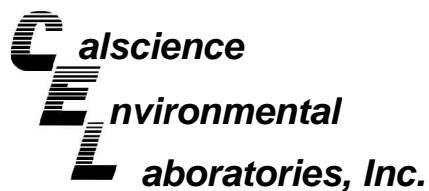
S-2	10-04-0776-5-E	04/08/10 11:35	Aqueous	ICP 5300	04/12/10	04/12/10 21:05	100412LA4
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Parameter	Result	RL	DF	Qual	Units
Iron	0.120	0.100	1		mg/L

Method Blank	097-01-003-10,432	N/A	Aqueous	ICP 5300	04/12/10	04/12/10 20:02	100412LA4
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Parameter	Result	RL	DF	Qual	Units
Iron	ND	0.100	1		mg/L

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



Analytical Report



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 04/10/10
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 5251 Hopyard Rd., Pleasanton, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EW-1	10-04-0776-1-C	04/08/10 09:45	Aqueous	GC 25	04/15/10	04/15/10 20:31	100415B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	7100	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	114	38-134			

S-3	10-04-0776-2-C	04/08/10 10:15	Aqueous	GC 25	04/15/10	04/15/10 21:05	100415B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2400	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	109	38-134			

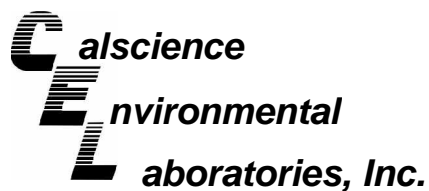
S-1	10-04-0776-3-C	04/08/10 10:35	Aqueous	GC 25	04/20/10	04/20/10 14:06	100420B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	9300	1200	25		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	93	38-134			

S-10	10-04-0776-4-C	04/08/10 11:15	Aqueous	GC 25	04/15/10	04/15/10 22:12	100415B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	86	38-134			

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



Analytical Report



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 04/10/10
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 5251 Hopyard Rd., Pleasanton, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	10-04-0776-5-C	04/08/10 11:35	Aqueous	GC 25	04/15/10	04/15/10 23:19	100415B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

Method Blank	099-12-436-4,625	N/A	Aqueous	GC 25	04/15/10	04/15/10 14:22	100415B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	82	38-134			

Method Blank	099-12-436-4,641	N/A	Aqueous	GC 25	04/20/10	04/20/10 05:07	100420B01
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Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	85	38-134			

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

Analytical Report



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 04/10/10
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: 5251 Hopyard Rd., Pleasanton, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EW-1	10-04-0776-1-B	04/08/10 09:45	Aqueous	GC/MS WW	04/15/10	04/15/10 20:33	100415L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	16	0.50	1		Xylenes (total)	29	1.0	1	
Ethylbenzene	95	1.0	1		Methyl-t-Butyl Ether (MTBE)	3.7	1.0	1	
Toluene	25	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	101	80-132			1,2-Dichloroethane-d4	101	80-141		
Toluene-d8	101	80-120			1,4-Bromofluorobenzene	99	76-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-3	10-04-0776-2-B	04/08/10 10:15	Aqueous	GC/MS WW	04/14/10	04/14/10 16:48	100414L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	270	1.0	2		Xylenes (total)	3.6	1.0	1	
Ethylbenzene	4.0	1.0	1		Methyl-t-Butyl Ether (MTBE)	11	1.0	1	
Toluene	6.0	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-132			1,2-Dichloroethane-d4	99	80-141		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	100	76-120		

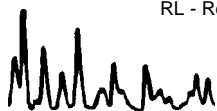
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-1	10-04-0776-3-B	04/08/10 10:35	Aqueous	GC/MS WW	04/14/10	04/14/10 17:15	100414L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	23	2.5	5		Xylenes (total)	56	5.0	5	
Ethylbenzene	320	5.0	5		Methyl-t-Butyl Ether (MTBE)	17	5.0	5	
Toluene	38	5.0	5						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	101	80-132			1,2-Dichloroethane-d4	98	80-141		
Toluene-d8	102	80-120			1,4-Bromofluorobenzene	99	76-120		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-10	10-04-0776-4-B	04/08/10 11:15	Aqueous	GC/MS WW	04/15/10	04/15/10 20:05	100415L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	1.5	1.0	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-132			1,2-Dichloroethane-d4	101	80-141		
Toluene-d8	99	80-120			1,4-Bromofluorobenzene	95	76-120		

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



Analytical Report



Delta Environmental Consultants, Inc.
 312 Piercy Rd.
 San Jose, CA 95138-1401

Date Received: 04/10/10
 Work Order No: 10-04-0776
 Preparation: EPA 5030B
 Method: EPA 8260B
 Units: ug/L

Project: 5251 Hopyard Rd., Pleasanton, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
S-2	10-04-0776-5-B	04/08/10 11:35	Aqueous	GC/MS WW	04/14/10	04/14/10 18:10	100414L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	38	1.0	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	103	80-132			1,2-Dichloroethane-d4	102	80-141		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	98	76-120		

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-424	N/A	Aqueous	GC/MS WW	04/14/10	04/14/10 12:14	100414L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	102	80-132			1,2-Dichloroethane-d4	101	80-141		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	98	76-120		

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-14-001-450	N/A	Aqueous	GC/MS WW	04/15/10	04/15/10 19:38	100415L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Xylenes (total)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Toluene	ND	1.0	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
Dibromofluoromethane	103	80-132			1,2-Dichloroethane-d4	105	80-141		
Toluene-d8	100	80-120			1,4-Bromofluorobenzene	97	76-120		

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

Analytical Report



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 04/10/10
Work Order No: 10-04-0776

Project: 5251 Hopyard Rd., Pleasanton, CA

Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
EW-1	10-04-0776-1	04/08/10	Aqueous

Comment(s): (19) Sample was not received within recommended holding time.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	2.7	1.0	1		mg/L	N/A	04/14/10	EPA 300.0
Iron (II) (19)	ND	0.10	1		mg/L	04/10/10	04/10/10	SM 3500-FeB

S-3	10-04-0776-2	04/08/10	Aqueous
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Comment(s): (19) Sample was not received within recommended holding time.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	19	1.0	1		mg/L	N/A	04/15/10	EPA 300.0
Iron (II) (19)	ND	0.10	1		mg/L	04/10/10	04/10/10	SM 3500-FeB

S-1	10-04-0776-3	04/08/10	Aqueous
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Comment(s): (19) Sample was not received within recommended holding time.

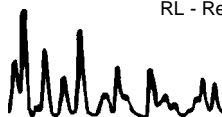
Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	3.1	1.0	1		mg/L	N/A	04/15/10	EPA 300.0
Iron (II) (19)	ND	0.10	1		mg/L	04/10/10	04/10/10	SM 3500-FeB

S-10	10-04-0776-4	04/08/10	Aqueous
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Comment(s): (19) Sample was not received within recommended holding time.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	170	5.0	5		mg/L	N/A	04/15/10	EPA 300.0
Iron (II) (19)	ND	0.10	1		mg/L	04/10/10	04/10/10	SM 3500-FeB

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



Analytical Report



Delta Environmental Consultants, Inc.
 312 Piercy Rd.
 San Jose, CA 95138-1401

Date Received: 04/10/10
 Work Order No: 10-04-0776

Project: 5251 Hopyard Rd., Pleasanton, CA

Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix
S-2	10-04-0776-5	04/08/10	Aqueous

Comment(s): (19) Sample was not received within recommended holding time.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	600	10	10		mg/L	N/A	04/15/10	EPA 300.0
Iron (II) (19)	ND	0.10	1		mg/L	04/10/10	04/10/10	SM 3500-FeB

EW-1B	10-04-0776-6	04/08/10	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	90000	1000	1000		mg/L	N/A	04/15/10	EPA 300.0

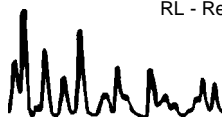
S-3	10-04-0776-7	04/08/10	Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	99000	2000	2000		mg/L	N/A	04/15/10	EPA 300.0

Method Blank					N/A			Aqueous
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Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	ND	1.0	1		mg/L	N/A	04/14/10	EPA 300.0
Iron (II)	ND	0.10	1		mg/L	04/10/10	04/10/10	SM 3500-FeB

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



Analytical Report



LABORATORY ID: 10-04-0776

Method: EPA 6010B/SM 3500-FeD (Calculation)

Matrix: Water/Aqueous

CLIENT: Delta Environmental Consultants, Inc.

PROJECT: 5251 Hopyard Rd., Pleasanton, CA

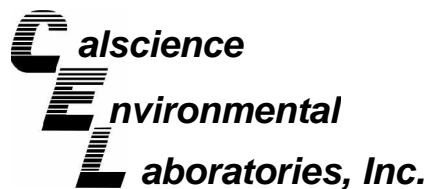
Results

Sample ID	Ferric Iron (Fe+3) mg/L	Dilution Factor	Reporting Limit	Date Extracted	Date Analyzed
EW-1	10.2	1	0.10	04/12/10	04/12/10
S-3	1.82	1	0.10	04/12/10	04/12/10
S-1	0.511	1	0.10	04/12/10	04/12/10
S-10	0.915	1	0.10	04/12/10	04/12/10
S-2	0.120	1	0.10	04/12/10	04/12/10

Reporting Limit: 0.10

Laboratory Notes

Key: ND=Not Detected at the reporting level, NA=Not applicable



Quality Control - Spike/Spike Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

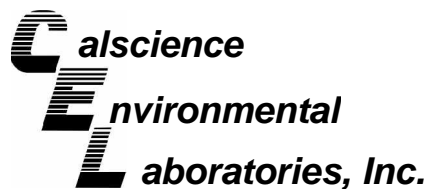
Date Received: 04/10/10
Work Order No: 10-04-0776
Preparation: EPA 3010A Total
Method: EPA 6010B

Project 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-0754-1	Aqueous	ICP 5300	04/12/10	04/12/10	100412SA4

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Iron	4X	4X	65-149	4X	0-21	Q

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

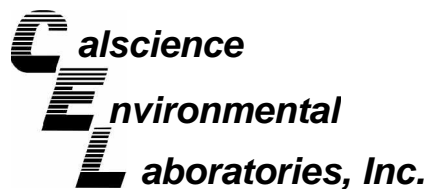
Date Received: 04/10/10
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-0607-1	Aqueous	GC 25	04/15/10	04/15/10	100415S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	93	92	68-122	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

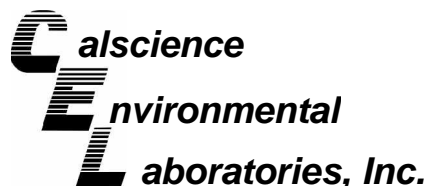
Date Received: 04/10/10
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1199-1	Aqueous	GC 25	04/20/10	04/20/10	100420S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	80	84	68-122	5	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

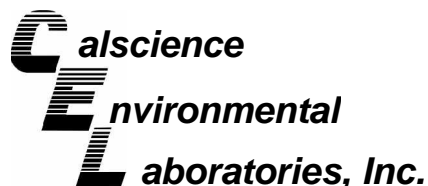
Date Received: 04/10/10
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8260B

Project 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-0769-7	Aqueous	GC/MS WW	04/14/10	04/14/10	100414S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	105	104	72-120	0	0-20	
Carbon Tetrachloride	109	108	63-135	1	0-20	
Chlorobenzene	98	97	80-120	1	0-20	
1,2-Dibromoethane	101	98	80-120	4	0-20	
1,2-Dichlorobenzene	96	95	80-120	1	0-20	
1,1-Dichloroethene	109	109	60-132	0	0-24	
Ethylbenzene	101	100	78-120	1	0-20	
Toluene	103	102	74-122	1	0-20	
Trichloroethene	99	97	69-120	1	0-20	
Vinyl Chloride	106	109	58-130	2	0-20	
Methyl-t-Butyl Ether (MTBE)	106	104	72-126	1	0-21	
Tert-Butyl Alcohol (TBA)	99	105	72-126	6	0-20	
Diisopropyl Ether (DIPE)	107	106	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	106	105	74-128	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	100	76-124	1	0-20	
Ethanol	80	86	35-167	8	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

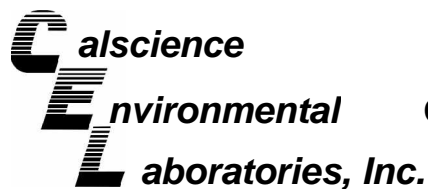
Date Received: 04/10/10
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8260B

Project 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
S-10	Aqueous	GC/MS WW	04/15/10	04/15/10	100415S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	103	72-120	1	0-20	
Carbon Tetrachloride	108	110	63-135	1	0-20	
Chlorobenzene	99	99	80-120	0	0-20	
1,2-Dibromoethane	98	99	80-120	1	0-20	
1,2-Dichlorobenzene	94	96	80-120	2	0-20	
1,1-Dichloroethene	105	105	60-132	0	0-24	
Ethylbenzene	102	103	78-120	1	0-20	
Toluene	100	100	74-122	1	0-20	
Trichloroethene	102	104	69-120	2	0-20	
Vinyl Chloride	99	99	58-130	0	0-20	
Methyl-t-Butyl Ether (MTBE)	103	103	72-126	0	0-21	
Tert-Butyl Alcohol (TBA)	103	105	72-126	2	0-20	
Diisopropyl Ether (DIPE)	107	106	71-137	1	0-23	
Ethyl-t-Butyl Ether (ETBE)	105	104	74-128	1	0-20	
Tert-Amyl-Methyl Ether (TAME)	102	102	76-124	1	0-20	
Ethanol	81	74	35-167	8	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - Spike/Spike Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received:
Work Order No:

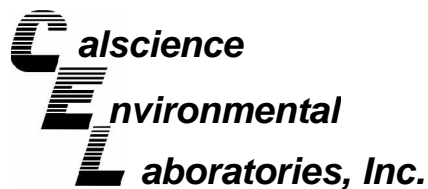
N/A
10-04-0776

Project: 5251 Hopyard Rd., Pleasanton, CA

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control Sample ID</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>MS% REC</u>	<u>MSD % REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Sulfate	EPA 300.0	10-04-0954-1	04/15/10	N/A	103	103	80-120	0	0-20	
Iron (II)	SM 3500-FeB	10-04-0780-2	04/10/10	4/10/10	98	99	70-130	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

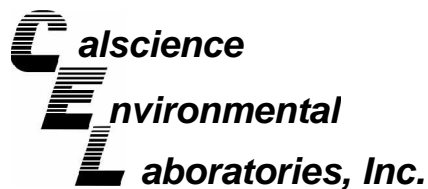
Date Received: N/A
Work Order No: 10-04-0776
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-10,432	Aqueous	ICP 5300	04/12/10	04/12/10	100412LA4

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Iron	99	97	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

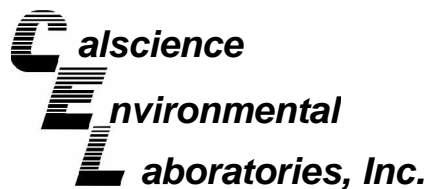
Date Received: N/A
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-4,625	Aqueous	GC 25	04/15/10	04/15/10	100415B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	91	89	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

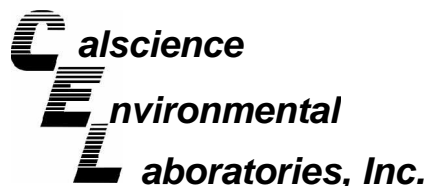
Date Received: N/A
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-4,641	Aqueous	GC 25	04/20/10	04/20/10	100420B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
TPH as Gasoline	88	89	78-120	1	0-10	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8260B

Project: 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-424	Aqueous	GC/MS WW	04/14/10	04/14/10	100414L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	104	105	80-122	73-129	1	0-20	
Carbon Tetrachloride	110	110	68-140	56-152	1	0-20	
Chlorobenzene	99	99	80-120	73-127	1	0-20	
1,2-Dibromoethane	99	98	80-121	73-128	1	0-20	
1,2-Dichlorobenzene	96	97	80-120	73-127	1	0-20	
1,1-Dichloroethene	111	112	72-132	62-142	1	0-25	
Ethylbenzene	103	103	80-126	72-134	0	0-20	
Toluene	102	104	80-121	73-128	1	0-20	
Trichloroethene	106	106	80-123	73-130	0	0-20	
Vinyl Chloride	109	108	67-133	56-144	1	0-20	
Methyl-t-Butyl Ether (MTBE)	105	105	75-123	67-131	0	0-20	
Tert-Butyl Alcohol (TBA)	99	98	75-123	67-131	1	0-20	
Diisopropyl Ether (DIPE)	106	107	71-131	61-141	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	108	108	76-124	68-132	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	105	106	80-123	73-130	1	0-20	
Ethanol	95	96	61-139	48-152	1	0-27	

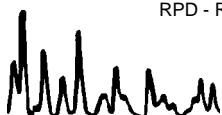
Total number of LCS compounds : 16

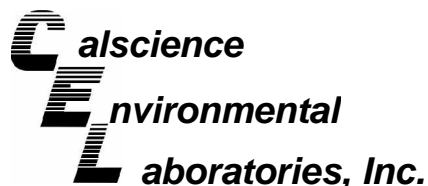
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-04-0776
Preparation: EPA 5030B
Method: EPA 8260B

Project: 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-14-001-450	Aqueous	GC/MS WW	04/15/10	04/15/10	100415L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	98	100	80-122	73-129	2	0-20	
Carbon Tetrachloride	104	106	68-140	56-152	2	0-20	
Chlorobenzene	97	98	80-120	73-127	1	0-20	
1,2-Dibromoethane	97	98	80-121	73-128	0	0-20	
1,2-Dichlorobenzene	93	95	80-120	73-127	1	0-20	
1,1-Dichloroethene	101	102	72-132	62-142	2	0-25	
Ethylbenzene	99	101	80-126	72-134	1	0-20	
Toluene	96	98	80-121	73-128	3	0-20	
Trichloroethene	99	100	80-123	73-130	1	0-20	
Vinyl Chloride	112	111	67-133	56-144	2	0-20	
Methyl-t-Butyl Ether (MTBE)	98	100	75-123	67-131	3	0-20	
Tert-Butyl Alcohol (TBA)	99	99	75-123	67-131	0	0-20	
Diisopropyl Ether (DIPE)	99	102	71-131	61-141	3	0-20	
Ethyl-t-Butyl Ether (ETBE)	98	102	76-124	68-132	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	98	102	80-123	73-130	4	0-20	
Ethanol	100	92	61-139	48-152	8	0-27	

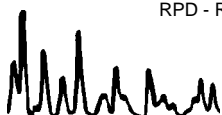
Total number of LCS compounds : 16

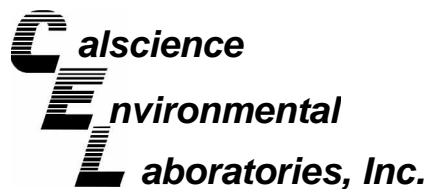
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





Quality Control - LCS/LCS Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received:
Work Order No:

N/A
10-04-0776

Project: 5251 Hopyard Rd., Pleasanton, CA

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> Sample ID	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Analyzed</u>	<u>LCS %</u> <u>REC</u>	<u>LCSD %</u> <u>REC</u>	<u>%REC</u> <u>CL</u>	<u>RPD</u>	<u>RPD</u> <u>CL</u>	<u>Qual</u>
Sulfate	EPA 300.0	099-12-906-919	N/A	04/14/10	100	100	90-110	0	0-15	

RPD - Relative Percent Difference , CL - Control Limit



Delta Environmental Consultants, Inc.
 312 Piercy Rd.
 San Jose, CA 95138-1401

Date Received:
 Work Order No:

N/A
 10-04-0776

Project: 5251 Hopyard Rd., Pleasanton, CA

Matrix: Aqueous or Solid

<u>Parameter</u>	<u>Method</u>	<u>Quality Control</u> <u>Sample ID</u>	<u>Date</u> <u>Analyzed</u>	<u>Date</u> <u>Extracted</u>	<u>Conc.</u> <u>Added</u>	<u>Conc.</u> <u>Recovered</u>	<u>LCS</u> <u>%Rec</u>	<u>%Rec</u> <u>CL</u>	<u>Qualifiers</u>
Iron (II)	SM 3500-FeB	099-05-111-3,674	04/10/10	04/10/10	1.00	0.970	97	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Glossary of Terms and Qualifiers



Work Order Number: 10-04-0776

<u>Qualifier</u>	<u>Definition</u>
*	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.
E	Concentration exceeds the calibration range.
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.



LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER	

Print Bill To Contact Name: Suzanne McClurkin Nelson

INCIDENT # (ENV SERVICES): 9 8 9 9 5 8 4 3

PO # _____ SAP # _____

DATE: 4/8/10

PAGE: 1 of 1

SAMPLING COMPANY: **Delta Consultants**

ADDRESS: **312 Piercy Road, San Jose, CA 95138**

PROJECT CONTACT (Hardcopy or PDF Report to): **Suzanne McClurkin- Nelson**

TELEPHONE: **408-826-1875** FAX: **408-225-8506** E-MAIL: **SMcClurkin-Nelson@deltaenv.com**

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:

SITE ADDRESS: Street and City: **5251 Hopyard Road; Pleasanton** State: **CA** GLOBAL ID NO.:

EDF DELIVERABLE TO (Name, Company, Office Location): **Cora Olson** PHONE NO.: **408-826-1877** E-MAIL: **colson@deltaenv.com** CONSULTANT PROJECT NO.: **SCA5251H1D**

LAB USE ONLY: **10-04-0776**

SPECIAL INSTRUCTIONS OR NOTES :

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	Gasoline Hydrocarbons			Sulfate Indicators			Waste Characterization		TEMPERATURE ON RECEIPT °C	
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER		TPH-Gasoline (8015M)	BTEX (8260B)	5 Shell Oxygenates (8260B)	pH	Sulfate	Ferrous Iron	Ferric Iron	CAM 17 Metals (6010)		Run STL/CLP Metals/Org Pb if needed
1	EW-1	4/8/10	9:45	liquid	4	1		2		7	X	X	X							
2	S-3	"	10:15	"	4	1		2		7	X	X	X							
3	S-1	"	10:35	"	4	1		2		7	X	X	X							
4	S-10	"	11:15	"	4	1		2		7	X	X	X							
5	S-2	"	11:35	"	4	1		2		7	X	X	X							
6	EW-1B	"	17:10	"				1		1				X						
7	S-3	"	19:30	"				1		1				X						

Relinquished by: (Signature)	Received by: (Signature) <u>CEL</u>	Date: <u>4/9/10</u>	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: <u>4/10/10</u>	Time: <u>1000</u>
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

SHIPPER'S GSO ACCOUNT NO. **8255**

STE/ROOM

ZIP CODE **75138**

PHONE NUMBER **408-826-1876**



SHIPPING AIR BILL

4 PACKAGE INFORMATION

LETTER (MAX 8 OZ)

PACKAGE (WT) _____

DECLARED VALUE \$ _____

COD AMOUNT \$ _____
(CASH NOT ACCEPTED)

GSO COPY

COMPANY **AL SCIENCE**

ADDRESS **100 LINCOLN WAY**

AR DEN GROVE

PHONE NUMBER **714-895-5494**

STE/ROOM

ZIP CODE **92841**

INTERNET BILLING PRECEDENCE WILL APPEAR ON OUR INVOICE

5 DELIVERY SERVICE PRIORITY OVERNIGHT BY 10:30 AM EARLY PRIORITY BY 8:00 AM SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

6 RELEASE SIGNATURE _____

SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7 CREDIT CARD M/C VISA AM EX

CREDIT CARD NUMBER _____ EXP. DATE _____

8 PICK UP INFORMATION

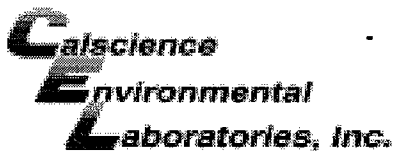
TIME _____ DRIVER # _____ ROUTE # _____

106087646

106087646

9 GSO TRACKING NUMBER **106087646**

0776



WORK ORDER #: 10-04-0776

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Delta

DATE: 04/10/10

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

Temperature 3.5 °C + 0.5°C (CF) = 4.0 °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 Metals Only PCBs Only Initial: YL

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: YL

Sample _____ No (Not Intact) Not Present Initial: WSC

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input checked="" type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

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

Water: VOA VOA⁴h VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz₂na 100PJ 100PJna₂ _____ _____ _____

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

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

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z₂na: ZnAc₂+NaOH f: Field-filtered **Scanned by:** WSC

WORK ORDER #: 10-04-0776

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- Sample(s)/Container(s) NOT RECEIVED but listed on COC
- Sample(s)/Container(s) received but NOT LISTED on COC
- Holding time expired – list sample ID(s) and test
- Insufficient quantities for analysis – list test
- Improper container(s) used – list test
- Improper preservative used – list test
- No preservative noted on COC or label – list test & notify lab
- Sample labels illegible – note test/container type
- Sample label(s) do not match COC – Note in comments
 - Sample ID
 - Date and/or Time Collected
 - Project Information
 - # of Container(s)
 - Analysis
- Sample container(s) compromised – Note in comments
 - Water present in sample container
 - Broken
 - Without Label(s)
- Air sample container(s) compromised – Note in comments
 - Flat
 - Very low in volume
 - Leaking (Not transferred - duplicate bag submitted)
 - Leaking (transferred into Calscience Tedlar® Bag*)
 - Leaking (transferred into Client's Tedlar® Bag*)
- Other: _____

Comments:

(3) 500A6J received
 broken.

(1) to (5) Ferrous Iron
 expired.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: WSC 04/19/10

Philip Sanelle

From: Suzanne McClurkin-Nelson [SMcClurkin-Nelson@deltaenv.com]
Sent: Tuesday, April 13, 2010 12:20 PM
To: Philip Sanelle
Cc: Suzanne McClurkin-Nelson; Matt Lambert; Cora Olson; Regina Bussard
Subject: RE: 5251 Hopyard Rd., Pleasanton, CA (10-04-0776)
Attachments: ole1.bmp

Yes, please - sorry not to get back to you yesterday. Just note that they were run out of hold.

Regina et al - please note that there is a 24-hr hold time for ferrous iron, when we submit for lab analysis we must expedite delivery and notify them in advance that it is coming.

Thanks!

Suzanne McClurkin-Nelson | Senior Project Manager | North American Operations
Delta Consultants, an Oranjewoud N.V. Company
Direct +1 408 826 1875 | Mobile +1 408 796 8889 | Alternate +1 408 582 4422
smcclurkin-nelson@deltaenv.com | www.deltaenv.com

SUSTAINABLE STRATEGIES FOR GLOBAL LEADERS

Member of Inogen@ | www.inogenet.com

Confidentiality Notice: If you are not the intended recipient of this email, please delete it. Thank you.

From: Philip Sanelle [<mailto:PSanelle@calscience.com>]
Sent: Monday, April 12, 2010 9:08 AM
To: Suzanne McClurkin-Nelson
Subject: 5251 Hopyard Rd., Pleasanton, CA (10-04-0776)

Suzanne,

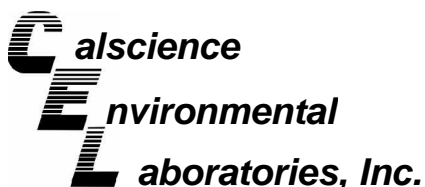
We received the samples for Ferrous Iron past holding time. Ferrous iron has a holding time of 24hr. Do you still want us to proceed with analysis of ferrous iron?

Attached is the COC in question.

<<10-04-0776.PDF>>

Thank you,

Philip Sanelle
Project Manager Assistant
Calscience Environmental Laboratories, Inc.
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone: 714-895-5494 x210
Fax: 714-894-7501
PSanelle@calscience.com



April 30, 2010

Suzanne McClurkin-Nelson
Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Subject: **CalScience Work Order No.: 10-04-1598**
Client Reference: 5251 Hopyard Rd., Pleasanton, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/22/2010 and analyzed in accordance with the attached chain-of-custody.

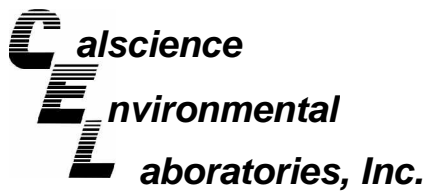
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows 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,

A handwritten signature in cursive script that reads 'Philip Samelle for'.

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



Analytical Report



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: 04/22/10
Work Order No: 10-04-1598
Preparation: N/A
Method: EPA 300.0

Project: 5251 Hopyard Rd., Pleasanton, CA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EW-1	10-04-1598-1-A	04/21/10 12:00	Aqueous	IC 7	N/A	04/23/10 20:04	100423L01

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Sulfate	7800	200	200		mg/L

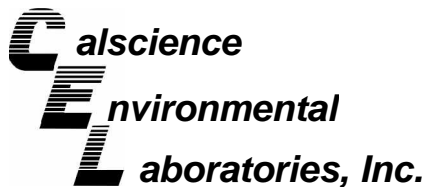
S-3	10-04-1598-2-A	04/21/10 11:45	Aqueous	IC 7	N/A	04/23/10 20:21	100423L01
-----	----------------	-------------------	---------	------	-----	-------------------	-----------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Sulfate	7700	200	200		mg/L

Method Blank	099-12-906-943	N/A	Aqueous	IC 7	N/A	04/23/10 09:59	100423L01
--------------	----------------	-----	---------	------	-----	-------------------	-----------

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
Sulfate	ND	1.0	1		mg/L

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



Quality Control - Spike/Spike Duplicate



Delta Environmental Consultants, Inc.
 312 Piercy Rd.
 San Jose, CA 95138-1401

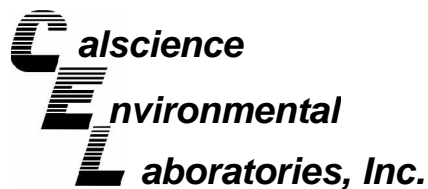
Date Received: 04/22/10
 Work Order No: 10-04-1598
 Preparation: N/A
 Method: EPA 300.0

Project 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-04-1736-13	Aqueous	IC 7	N/A	04/23/10	100423S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	103	102	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



Delta Environmental Consultants, Inc.
312 Piercy Rd.
San Jose, CA 95138-1401

Date Received: N/A
Work Order No: 10-04-1598
Preparation: N/A
Method: EPA 300.0

Project: 5251 Hopyard Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-906-943	Aqueous	IC 7	N/A	04/23/10	100423L01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Sulfate	102	103	90-110	1	0-15	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 10-04-1598

<u>Qualifier</u>	<u>Definition</u>
*	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.
E	Concentration exceeds the calibration range.
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.



LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box: <input type="checkbox"/> ENV. SERVICES <input type="checkbox"/> MOTIVA RETAIL <input type="checkbox"/> SHELL RETAIL <input type="checkbox"/> MOTIVA SD&CM <input type="checkbox"/> CONSULTANT <input type="checkbox"/> LUBES <input type="checkbox"/> SHELL PIPELINE <input type="checkbox"/> OTHER _____	Print Bill To Contact Name: PO # 	INCIDENT # (ENV SERVICES) 9 8 9 9 5 8 4 3 SAP # 1 3 5 7 8 5 <input type="checkbox"/> CHECK IF NO INCIDENT # APPLIES DATE: 4/21/2010 PAGE: 1 of 1
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SAMPLING COMPANY: Delta Consultants ADDRESS: 312 Piercy Road, San Jose, CA 95138 PROJECT CONTACT (Hardcopy or PDF Report to): Suzanne McClurkin- Nelson TELEPHONE: 408-826-1875 FAX: 408-225-8506 E-MAIL: SMcClurkin-Nelson@deltaenv.com	LOG CODE: 	SITE ADDRESS: Street and City 5251 Hopyard Road; Pleasanton State CA EDF DELIVERABLE TO (Name, Company, Office Location): Cora Olson PHONE NO.: 408-826-1877 E-MAIL: colson@deltaenv.com CONSULTANT PROJECT NO.: SCA6261H1D	GLOBAL ID NO.:
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TURNAROUND TIME (CALENDAR DAYS): <input checked="" type="checkbox"/> STANDARD (14 DAY) <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> RESULTS NEEDED ON WEEKEND	REQUESTED ANALYSIS
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SPECIAL INSTRUCTIONS OR NOTES : <input type="checkbox"/> LA - RWQCB REPORT FORMAT <input type="checkbox"/> UST AGENCY: <input checked="" type="checkbox"/> SHELL CONTRACT RATE APPLIES <input type="checkbox"/> STATE REIMBURSEMENT RATE APPLIES <input type="checkbox"/> EDD NOT NEEDED <input type="checkbox"/> RECEIPT VERIFICATION REQUESTED	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">Gasoline Hydrocarbons</th> <th colspan="3">Sulfate Indicators</th> <th colspan="3">Waste Characterization</th> <th>TEMPERATURE ON RECEIPT °C</th> </tr> <tr> <td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH-Gasoline (8260B)</td> <td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX (8260B)</td> <td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">MTBE (8260B)</td> <td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">pH</td> <td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Sulfate</td> <td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Ferrous Iron</td> <td rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Ferric Iron</td> <td rowspan="3"></td> <td rowspan="3"></td> <td rowspan="3"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Gasoline Hydrocarbons			Sulfate Indicators			Waste Characterization			TEMPERATURE ON RECEIPT °C	TPH-Gasoline (8260B)	BTX (8260B)	MTBE (8260B)	pH	Sulfate	Ferrous Iron	Ferric Iron											
Gasoline Hydrocarbons			Sulfate Indicators			Waste Characterization			TEMPERATURE ON RECEIPT °C																				
TPH-Gasoline (8260B)	BTX (8260B)	MTBE (8260B)	pH	Sulfate	Ferrous Iron	Ferric Iron																							

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	Gasoline Hydrocarbons			Sulfate Indicators			Waste Characterization			Container PID Readings or Laboratory Notes	
		DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER		TPH-Gasoline (8260B)	BTX (8260B)	MTBE (8260B)	pH	Sulfate	Ferrous Iron	Ferric Iron				
1	EW-1	4/21/2010	12:00	Water									X								
2	S-3	4/21/2010	11:45	Water									X								

Relinquished by: (Signature) 	Received by: (Signature) 	Date: 4/21/10	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date: 4/22/10	Time: 1030
Relinquished by: (Signature)	Received by: (Signature)	Date: 	Time:

05/2/06 Revision

1598

PLEASE PRESS FIRMLY

1	DATE	4/21/10			
	COMPANY	Delta Consultants			
	ADDRESS	312 Piercy Rd			
	ADDRESS	STE/ROOM	ZIP	CODE	
FROM	CITY	San Jose			
	SENDER'S NAME	PHONE NUMBER	408 826 1877		
	2	COMPANY	CAL SCIENCE		
	NAME	PHONE NUMBER	714 835 5494		
TO	ADDRESS	7440 LINCOLN WAY			
	ADDRESS	STE/ROOM	ZIP	CODE	
	CITY	GARDEN GROVE			
	3	YOUR INTERNAL BILLING REFERENCE WILL APPEAR ON YOUR INVOICE			
SPECIAL INSTRUCTIONS					

GSO
GOLDEN STATE OVERNIGHT
1-800-322-5555
WWW.GSO.COM

SHIPPING AIR BILL

4 PACKAGE INFORMATION

LETTER (MAX 8 OZ)

PACKAGE (WT) _____

DECLARED VALUE \$ _____

COD AMOUNT \$ _____
(CASH NOT ACCEPTED)

PACKAGE LABEL

5 DELIVERY SERVICE PRIORITY OVERNIGHT BY 10:30 AM EARLY PRIORITY BY 8:00 AM SATURDAY DELIVERY

*DELIVERY TIMES MAY BE LATER IN SOME AREAS • CONSULT YOUR SERVICE GUIDE OR CALL GOLDEN STATE OVERNIGHT.

6 RELEASE SIGNATURE _____
SIGN TO AUTHORIZE DELIVERY WITHOUT OBTAINING SIGNATURE

7

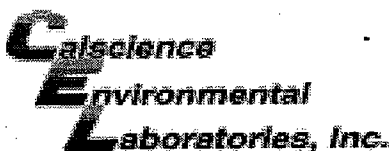
8 PICK UP INFORMATION

TIME	DRIVER #	ROUTE #
105528602		

PEEL OFF HERE

9 GSO TRACKING NUMBER 105528602

3777353



WORK ORDER #: 10-04-1598

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Delta

DATE: 04/22/10

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

Temperature 3.4 °C + 0.5 °C (CF) = 3.9 °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 Metals Only PCBs Only Initial: JF

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: JF

Sample _____ No (Not Intact) Not Present Initial: XL

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

CONTAINER TYPE:

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

Water: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 500PB 500PB_{na}

250PB 250PB_n 125PB 125PB_zna 100PJ 100PJ_{na2} 250PJ _____ _____

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

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

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ zna: ZnAc₂+NaOH f: Field-filtered **Scanned by:** YL