Shell Oil Products US

Mr. Tim Berkins
Groundwater Resources Engineer
Alameda County Water District
43885 South Grimmer Blvd.
Fremont, California 94538

September 28, 2009

Re: **Third Quarter 2010 Semi-Annual Groundwater Monitoring Report**
Shell Service Station
31235 Mission Blvd.
Hayward, California

Dear Mr. Berkins:

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

Sam Brenneke's
Project Manager

20945 S. Wilmington Avenue, Carson, CA 90810 P: (559) 645-9306; F: (559) 645-5643

September 28, 2010
DELTA Project No. SCA312351D
SAP No. 135356

Mr. Tom Berkins
Groundwater Resources Engineer
Alameda County Water District
43885 South Grimmer Blvd.
Fremont, California 94538

Re: THIRD QUARTER 2010 SEMIANNUAL GROUNDWATER MONITORING REPORT
Shell-Branded Service Station
31235 Mission Boulevard
Hayward, California

DELTA

Dear Mr. Berkins:

On behalf of Equilon Enterprises LLC *dba* Shell Oil Products US (Shell), Delta Consultants (Delta) has prepared this *Third Quarter 2010 Semiannual Groundwater Monitoring Report* for the above referenced site. The sampling activities at the site were conducted by Blaine Tech Services, Inc. (Blaine Tech) under direct 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, under the supervision of a California Registered Civil Engineer or a California Professional Geologist, performed an evaluation of the data provided to us.

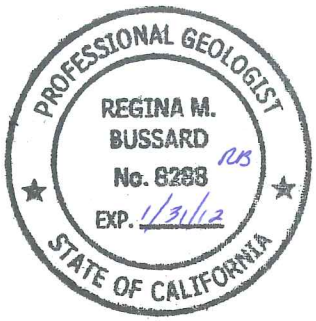
This report represents Delta's professional opinions based upon the currently available information and is arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines 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.

312 Piercy Road San Jose, California 95138 USA
Phone +1 408.224.4724 / USA Toll Free 800.477.7411
Fax +1 408.225.8506 www.deltaenv.com

If you have any questions regarding this site, please contact Ms. Regina Bussard (Delta) at (408) 826-1876 or Mr. Sam L. Brenneke (Shell) at (636) 294-2171.

Sincerely,
Delta Consultants

Regina Bussard, P.G.
Project Manager



Attachment: Third Quarter 2010 Semiannual Groundwater Monitoring Report

cc: Sam L. Brenneke, Shell Oil Products US, Livelink
Chuck Headlee, RWQCB San Francisco Region
Danilo Galang, City of Hayward Fire Department, Hayward
Allen and Nelson Hutchison, Property Owner, Hayward
Hannah Moriarty, FPA Hayward Associates, L.P. c/o Fowler Property Acquisitions, San Francisco

SHELL SEMIANNUAL STATUS REPORT

Station Address:	31235 Mission Boulevard Hayward, California
DELTA Project No.:	SCA312351D
SHELL Project Manager/Phone No.:	Sam L. Brenneke (636) 294-2171
DELTA Site Manager/Phone No.:	Regina Bussard / (408) 826-1876
Primary Agency/Regulatory ID No.:	Alameda County Water District (ACWD)/ Tom Berkins
Other Agencies to Receive Copies:	RWQCB San Francisco Region / Chuck Headlee City of Hayward Fire Department / Danilo Galang

WORK PERFORMED THIS PERIOD (SECOND AND THIRD QUARTERS 2010):

1. Submitted first quarter 2010 semiannual groundwater monitoring report.
2. Performed semiannual monitoring and sampling on **August 6, 2010**.
3. Submitted third quarter 2010 semiannual groundwater monitoring report.

WORK PROPOSED FOR NEXT PERIOD (FOURTH QUARTER 2010 AND FIRST QUARTER 2011):

1. Perform semiannual monitoring and sampling.

Current Phase of Project:	Groundwater monitoring.
Frequency of Sampling:	Semiannually – 1st quarter and 3rd quarter
Frequency of Monitoring:	Semiannually – 1st quarter and 3rd quarter
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	☐ Yes ☒ No
Cumulative SPH Recovered to Date:	NA
SPH Recovered This Quarter:	None
Sensitive Receptor(s) and Respective Direction(s):	Public drinking water well (Whipple Well) is located approximately 4,650 ft southwest of the site.
Site Lithology:	The site was found to be underlain primarily by clay inter-bedded with thin layers of silt, silty sand, clayey sand, and clayey gravel. The maximum depth explored was 65 feet below grade (bg).
Current Remediation Techniques:	None
Permits for Discharge:	None
Groundwater Recovered This Quarter:	135.7 gallons were recovered during sampling on August 6, 2010.
Approximate Depth to Groundwater:	14.66 feet to 21.03 feet below top of well casing
Groundwater Gradient:	West at approximately 0.006 ft/ft.
Current Agency Correspondence:	Email correspondence from the ACWD dated July 31, 2009 - reduced monitoring and sampling frequency to semi-annually

SHELL SEMIANNUAL STATUS REPORT (CONT.)

Site History:

Case Opening	11/13/02 (Leak Detected)
Onsite Assessment	October 2002 Installation of MW-1 through MW-4, December 2003 Soil Boring SB-1
	December 2008, add well MW-11 ("B" level well)
Offsite Assessment	December 2003 Soil Boring SB-2 through 8, November 2004 Installation of MW-5 through MW-8
	December 2008, add wells MW-9, MW-10
Passive Remediation	Natural Attenuation
Active Remediation	Temporary Groundwater Extraction March 30, 2004 to June 8, 2004 (61,285 gallons).
Closure	NA
Summary of Unusual Activity:	None

Discussion:

The current concentrations are consistent with historical trends. Total purgeable petroleum hydrocarbons (TPPH) were detected in wells MW-1, MW-2, MW-3, MW-6, MW-7 and MW-9 at concentrations ranging from 71 micrograms per liter (µg/L) in Well MW-2 to 2,600 µg/L in Well MW-3. Methyl tert-butyl ether (MTBE) was detected in wells MW-1, MW-3, MW-4, MW-6, MW-7, MW-9 and MW-10 at concentrations ranging from 1.1 µg/L (MW-4) to 260 µg/L (MW-7). Tert-butyl alcohol (TBA) was detected in wells MW-1 through MW-4, MW-6, MW-7 and MW-9 at concentrations ranging from 13 µg/L (MW-6) to 1,300 µg/L (MW-1). Benzene was detected in wells MW-9 and MW-10 at concentrations of 2.8 µg/L and 1.2 µg/L, respectively.

ATTACHMENTS:

Figures:

Figure 1 – Site Location and Well Survey Map

Figure 2 – Groundwater Elevation Contour Map

Figure 3 – Groundwater Hydrocarbon Distribution Map

Table:

Table 1 – Well Concentrations

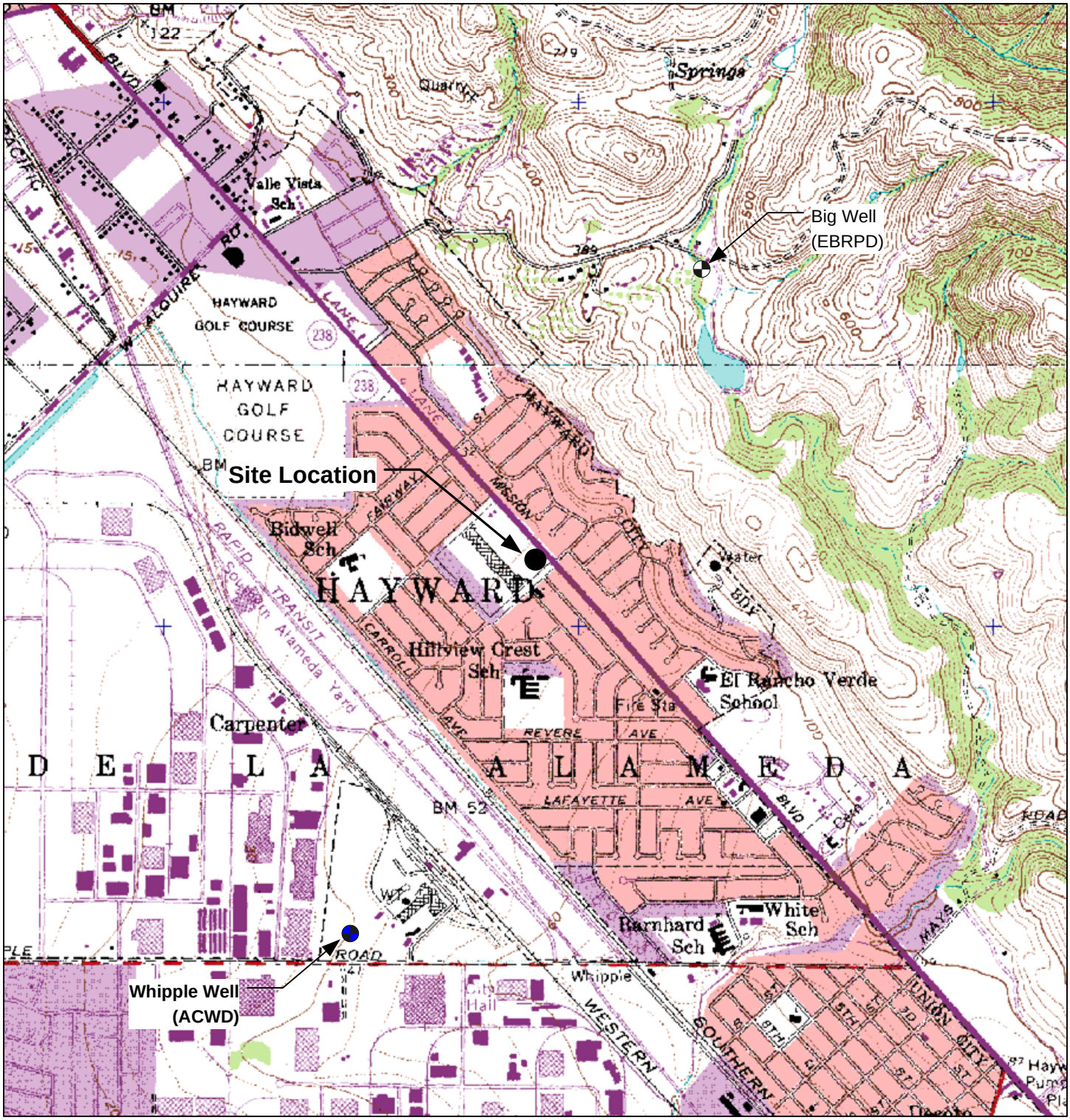
Appendices:

Appendix A – Blaine Tech Services, Inc. Field Data Sheets

Appendix B – Blaine Tech Services, Inc. Field Procedures

Appendix C – Laboratory Report and Chain-of-Custody Documentation

FIGURES



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

North

QUADRANGLE LOCATION

0 1,800 3,600
Scale, Feet

FIGURE 1

SITE LOCATION AND WELL SURVEY MAP

SHELL-BRANDED SERVICE STATION
31235 Mission Boulevard
Hayward, California

PROJECT NO. SCA312351D	DRAWN BY VF 10/24/03
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY

DELTA CONSULTANTS

PROJECT NUMBER SCA312351D

APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 8/25/2010

N

W E

S

LEGEND

MW–1 ⊕	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
23.61	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
23.60 – – – –	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=1.00 FEET
0.006 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)
*	DEEPER LEVEL WELL NOT USED IN CONTOURING

Building

31045

MW–10
18.31

Building

MW–9
18.70

31069

Building

Parking

STORE

HEALTH CLUB

19.00

Buildings

Buildings

Buildings

20.00

MISSION BOULEVARD

21.00

MW–8
20.81

MW–7
20.79

0.006 ft/ft

ARBY'S

MW–6
20.73

MW–5
20.90

MW–1
21.16

MW–11
22.07*

MW–2
21.15

22.00

23.00

MW–4
23.14

MW–3
21.25

DISPENSER ISLAND (TYP)

CANOPY

TANK SLAB

GRESEL STREET

0 60 120
SCALE IN FEET

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SHELL OIL PRODUCTS US
SHELL–BRANDED SERVICE STATION
HAYWARD, CALIFORNIA

FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP
8/6/2010

31235 MISSION BOULEVARD
HAYWARD, CALIFORNIA

PROJECT NUMBER SCA312351D

APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 8/25/2010

MW-10				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	ND<50	1.2	1.4	ND<10

MW-9				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	190	2.8	170	23

N

W E

S

LEGEND

MW-1 ✦	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
TPPH	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE	METHYL TERT-BUTYL ETHER
TBA	TERT-BUTYL ALCOHOL
µg/L	MICROGRAMS PER LITER
ND<	NOT DETECTED ABOVE LIMIT NOTED
0.006 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

MW-11				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	ND<50	ND<0.50	ND<1.0	ND<10

MW-3				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	2,600	ND<0.50	2.3	250

MW-4				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	ND<50	ND<0.50	1.1	110

MW-8				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	ND<50	ND<0.50	ND<1.0	ND<10

MW-7				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	280	ND<1.0	260	48

MW-6				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	100	ND<0.50	76	13

MW-5				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	ND<50	ND<0.50	ND<1.0	ND<10

MW-1				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	160	ND<0.50	70	1,300

MW-2				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
8/6/10	71	ND<0.50	ND<1.0	27

Building
31045
MW-10
Building
MW-9
31069
Building
Buildings
Buildings
Buildings
MISSION BOULEVARD
DISPENSER ISLAND (TYP)
CANOPY
MW-8
MW-7
0.006 ft/ft
ARBY'S
MW-1
MW-11
MW-4
MW-6
MW-2
MW-3
CAR WASH
TANK SLAB
Parking
STORE
MW-5
GRESEL STREET
HEALTH CLUB

0 60 120 SCALE IN FEET

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SHELL OIL PRODUCTS US
SHELL-BRANDED SERVICE STATION
HAYWARD, CALIFORNIA

FIGURE 3
GROUNDWATER HYDROCARBON DISTRIBUTION MAP
8/6/2010

31235 MISSION BOULEVARD
HAYWARD, CALIFORNIA

TABLE

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-1	12/2/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.82	NA
MW-1	12/23/2002	<2,000	<100	<20	<20	<20	<20	9600	<20	<20	<20	1,200	NA	NA	18.77	NA
MW-1	3/20/2003	<13,000	<50	<130	<130	<130	<250	14000	<250	<130	<130	1,400	NA	42.19	20.58	21.61
MW-1	6/16/2003	<10,000	75 a	<100	<100	<100	<200	14000	<400	<400	<400	2,100	NA	42.19	19.99	22.20
MW-1	9/18/2003	<10,000	<50	<100	<100	<100	<200	19000	<400	<400	<400	3,000	NA	42.19	21.66	20.53
MW-1	12/2/2003	<13,000	69 a	<130	<130	<130	<250	22000	<500	<500	<500	1,500	NA	42.19	22.08	20.11
MW-1	3/1/2004	<10,000	90 a	<100	<100	<100	<200	13000	<400	<400	<400	1,200	NA	42.19	18.76	23.43
MW-1	6/8/2004	<5,000	84 a	<50	<50	<50	<100	7200	<200	<200	<200	3,500	NA	42.19	21.71	20.48
MW-1	9/24/2004	<1,000	<50	<10	<10	<10	<20	420	<40	<40	<40	8,200	NA	42.19	22.85	19.34
MW-1	12/23/2004	<1,000	79 b	<10	<10	<10	<20	130	<40	<40	<40	11,000	NA	42.19	21.89	20.30
MW-1	3/2/2005	<1,000	84 b	<10	<10	<10	<20	79	<40	<40	<40	6,600	NA	42.19	16.84	25.35
MW-1	6/17/2005	<1,000	67 b	<10	<10	<10	<20	110	<40	<40	<40	7,400	NA	42.19	17.75	24.44
MW-1	9/1/2005	<1,000	<50	<10	<10	<10	<20	120	<40	<40	<40	1,800	NA	42.19	19.68	22.51
MW-1	12/8/2005	<250	<47	<2.5	<2.5	<2.5	<2.5	170	NA	NA	NA	5,000	NA	42.19	20.95	21.24
MW-1	3/16/2006	<500	i	<0.500	<0.500	<0.500	<0.500	770	NA	NA	NA	2,550	NA	42.19	15.15	27.04
MW-1	6/1/2006	<50.0	86.8 h	<0.500	<0.500	<0.500	<0.500	99.6	NA	NA	NA	2,400	NA	42.19	15.91	26.28
MW-1	9/26/2006	290	80.1 h	<5.0	<5.0	<5.0	<10	490	<10	<10	<10	4,800	<1,500	42.19	19.40	22.79
MW-1	12/8/2006	470	55 h	<0.50	<0.50	<0.50	<1.0	230	NA	NA	NA	3,500	NA	42.19	20.13	22.06
MW-1	3/12/2007	170	<50 h	<1.0	<1.0	<1.0	<2.0	66	NA	NA	NA	3,000	NA	42.19	18.28	23.91
MW-1	6/7/2007	440 o,p	53 h	<0.50	<1.0	<1.0	<1.0	190	NA	NA	NA	3,600	NA	42.19	20.44	21.75
MW-1	9/10/2007	<50 o	51 h	<2.5	<5.0	<5.0	<5.0	840	<10	<10	<10	3,400	<500	42.19	21.94	20.25
MW-1	12/10/2007	<50 o	<50 h	<5.0	<10	<10	<10	260	NA	NA	NA	2,300	NA	42.19	22.13	20.06
MW-1	2/22/2008	67 o	<50 h	<0.50	<1.0	<1.0	<1.0	1.2	NA	NA	NA	620	NA	42.19	18.58	23.61
MW-1	5/28/2008	370	<50 h	<0.50	<1.0	<1.0	<1.0	360	NA	NA	NA	3,400	NA	42.19	21.43	20.76
MW-1	9/8/2008	1,100	<50 h	<2.5	<5.0	<5.0	<5.0	670	<10	<10	<10	3,900	<500	42.19	22.90	19.29
MW-1	12/2/2008	140	<50 h	<0.50	<1.0	<1.0	<1.0	57	NA	NA	NA	1,200	NA	42.19	23.40	18.79

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-1	2/12/2009	230	<50 h	<0.50	<1.0	<1.0	<1.0	160	NA	NA	NA	2,100	NA	42.19	22.02	20.17
MW-1	5/20/2009	440	<50 h	<1.0	<2.0	<2.0	<2.0	270	NA	NA	NA	1,900	NA	42.19	21.03	21.16
MW-1	9/1/2009	120	57 h	<0.50	<1.0	<1.0	<1.0	40	<2.0	<2.0	<2.0	940	<100	42.19	23.24	18.95
MW-1	2/3/2010	120	50 p,r	<0.50	<1.0	<1.0	<1.0	16	NA	NA	NA	1,800	NA	42.19	18.17	24.02
MW-1	**8/6/2010**	**160**	**<50 r**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**70**	**<2.0**	**<2.0**	**<2.0**	**1,300**	**<100**	**42.19**	**21.03**	**21.16**
MW-2	12/2/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.71	NA
MW-2	12/23/2002	<1,000	<100	<10	<10	<10	<10	4200	<10	<10	<10	130	NA	NA	18.51	NA
MW-2	3/20/2003	<13,000	<60	<130	<130	<130	<250	8800	<250	<130	<130	<1300	NA	42.18	20.70	21.48
MW-2	6/16/2003	<10,000	70 a	<100	<100	<100	<200	6200	<400	<400	<400	<1000	NA	42.18	20.00	22.18
MW-2	9/18/2003	<2,500	630 a	<25	<25	<25	<50	8700	<100	<100	<100	330	NA	42.18	21.68	20.50
MW-2	12/2/2003	<5,000	59 a	<50	<50	<50	<100	5000	<200	<200	<200	940	NA	42.18	22.08	20.10
MW-2	3/1/2004	<2,000	67 a	<20	<20	<20	<40	1900	<80	<80	<80	2,000	NA	42.18	18.65	23.53
MW-2	6/8/2004	<500	<50	<5.0	<5.0	<5.0	<10	79	<20	<20	<20	3,100	NA	42.18	21.63	20.55
MW-2	9/24/2004	<500	<50	<5.0	<5.0	<5.0	<10	10	<20	<20	<20	4,100	NA	42.18	22.84	19.34
MW-2	12/23/2004	<500	93 a	<5.0	<5.0	<5.0	<10	20	<20	<20	<20	2,300	NA	42.18	21.94	20.24
MW-2	3/2/2005	<100 d	50 a	<1.0	<1.0	<1.0	<2.0	3.8	<4.0	<4.0	<4.0	770	NA	42.18	16.54	25.64
MW-2	6/17/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	6.2	<2.0	<2.0	<2.0	540	NA	42.18	17.64	24.54
MW-2	9/1/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	10	<2.0	<2.0	<2.0	280	NA	42.18	19.63	22.55
MW-2	12/8/2005	<250	<48	<2.5	<2.5	<2.5	<2.5	12	NA	NA	NA	200	NA	42.18	20.89	21.29
MW-2	3/16/2006	<50.0	159 h	<0.500	<0.500	<0.500	<0.500	1.97	NA	NA	NA	52.8	NA	42.18	14.80	27.38
MW-2	6/1/2006	<50.0	58.0 h	<0.500	<0.500	<0.500	<0.500	9.02	NA	NA	NA	432	NA	42.18	15.83	26.35
MW-2	9/26/2006	<50	<47.6 h	<0.50	<0.50	<0.50	<1.0	3	<1.0	<1.0	<1.0	28	<150 k,l,m	42.18	19.34	22.84
MW-2	12/8/2006	<50	<56 h,n	<0.50	<0.50	<0.50	<1.0	2.1	NA	NA	NA	16	NA	42.18	20.02	22.16
MW-2	3/12/2007	<50	<50 h	<0.50	<0.50	<0.50	<1.0	3.4	NA	NA	NA	80	NA	42.18	17.63	24.55
MW-2	6/7/2007	50 o,p	59 h	<0.50	<1.0	<1.0	<1.0	1.1	NA	NA	NA	49	NA	42.18	20.48	21.70

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-2	9/10/2007	<50 o	51 h	<0.50	<1.0	<1.0	<1.0	1.1	<2.0	<2.0	<2.0	22	<100	42.18	21.76	20.42
MW-2	12/10/2007	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	0.62 q	NA	NA	NA	28	NA	42.18	22.01	20.17
MW-2	2/22/2008	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	1	NA	NA	NA	29	NA	42.18	18.36	23.82
MW-2	5/28/2008	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	34	NA	42.18	21.32	20.86
MW-2	9/8/2008	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<100	42.18	22.82	19.36
MW-2	12/2/2008	<50	55 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	42.18	23.38	18.80
MW-2	2/12/2009	64	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	82	NA	42.18	22.00	20.18
MW-2	5/20/2009	72	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	53	NA	42.18	21.10	21.08
MW-2	9/1/2009	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<100	42.18	23.20	18.98
MW-2	2/3/2010	83	67 p,r	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	120	NA	42.18	18.10	24.08
MW-2	**8/6/2010**	**71**	**54 p,r**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**27**	**<100**	**42.18**	**21.03**	**21.15**
MW-3	12/2/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.40	NA
MW-3	12/23/2002	4,000	<1,600	5.2	<5.0	170	160	3000	<5.0	<5.0	6.4	610	NA	NA	18.06	NA
MW-3	3/20/2003	<10,000	1,900	<100	<100	100	<200	4300	<200	<100	<100	1,100	NA	42.24	20.03	22.21
MW-3	6/16/2003	2,900	1,400 a	<25	<25	69	50	4800	<100	<100	<100	1,500	NA	42.24	20.23	22.01
MW-3	9/18/2003	3,700	820 a	<10	<10	40	29	3700	<40	<40	<40	460	NA	42.24	20.85	21.39
MW-3	12/2/2003	2,900 a	690 a	<10	<10	40	<20	1400	<40	<40	<40	280	NA	42.24	21.21	21.03
MW-3	3/1/2004	2,000	660 a	<10	<10	22	<20	1400	<40	<40	<40	260	NA	42.24	19.00	23.24
MW-3	6/8/2004	2,200	650 a	<5.0	<5.0	26	24	1400	<20	<20	<20	380	NA	42.24	21.63	20.61
MW-3	9/24/2004	3,300 a	1,100 b	<5.0	<5.0	52	13	1500	<20	<20	<20	540	NA	42.24	22.57	19.67
MW-3	12/23/2004	3,300	810 a	15	<5.0	25	<10	700	<20	<20	<20	910	NA	42.24	22.03	20.21
MW-3	3/2/2005	3,600	670 b	56	16	33	21	550	<20	<20	<20	790	NA	42.24	16.48	25.76
MW-3	6/17/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.24	17.34	24.90
MW-3	6/29/2005	3,300	680 a	7.3	<5.0	26	11	290	<20	<20	<20	1,100	NA	42.24	17.89	24.35
MW-3	9/1/2005	1,900 e	470 b	<5.0	<5.0	10	<10	190	<20	<20	<20	1,300	NA	42.24	19.57	22.67

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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 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)
MW-3	12/8/2005	1,900	520 g	2.3	<0.50	17	3.5	84	NA	NA	NA	1,200	NA	42.24	20.67	21.57
MW-3	3/16/2006	4,490	1,530 h	0.910	<0.500	44.1	24.3	92.6	NA	NA	NA	484	NA	42.24	15.05	27.19
MW-3	6/1/2006	8,450	2,150 h	1.91	<0.500	178	116	53.9 j	NA	NA	NA	465 j	NA	42.24	15.36	26.88
MW-3	9/26/2006	2,600	593 h	<1.2	<1.2	43	10	26	<2.5	<2.5	<2.5	860	<380	42.24	18.43	23.81
MW-3	12/8/2006	2,800	720 h	0.86	<0.50	29	6.7	46	NA	NA	NA	1,200	NA	42.24	20.02	22.22
MW-3	3/12/2007	3,000	450 h	0.95	<0.50	28	3.7	44	NA	NA	NA	580	NA	42.24	18.55	23.69
MW-3	6/7/2007	2,600 o	1,400 h	0.44 q	<1.0	18	5.66 q	22	NA	NA	NA	750	NA	42.24	20.01	22.23
MW-3	9/10/2007	2,300 o	420 h,p	0.32 q	<1.0	12	1.4	13	<2.0	<2.0	<2.0	950	<100	42.24	21.82	20.42
MW-3	12/10/2007	2,200 o,p	610 h,p	0.62	<1.0	17	0.57 q	23	NA	NA	NA	840	NA	42.24	21.95	20.29
MW-3	2/22/2008	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.24	NA	NA
MW-3	5/28/2008	1,900	420 h,p	<0.50	<1.0	12	<1.0	16	NA	NA	NA	530	NA	42.24	21.05	21.19
MW-3	9/8/2008	1,900	860 h,p	<0.50	<1.0	2.1	<1.0	4.1	<2.0	<2.0	<2.0	810	<100	42.24	22.84	19.40
MW-3	12/2/2008	2,600	760 h,p	<0.50	<1.0	4.9	<1.0	11	NA	NA	NA	690	NA	42.24	23.30	18.94
MW-3	2/12/2009	2,400	1,200 p,h	0.88	<1.0	29	<1.0	12	NA	NA	NA	330	NA	42.24	21.70	20.54
MW-3	5/20/2009	2,300	490 p,h	<0.50	<1.0	4.3	1.1	5	NA	NA	NA	360	NA	42.24	21.00	21.24
MW-3	9/1/2009	3,200	620 p,h	<0.50	<1.0	1.8	<1.0	3.9	<2.0	<2.0	<2.0	720	<100	42.24	23.18	19.06
MW-3	2/3/2010	3,200	750 p,r	0.66	<1.0	31	1.3	11	NA	NA	NA	300	NA	42.24	18.21	24.03
MW-3	**8/6/2010**	**2,600**	**740 p,r**	**<0.50**	**<1.0**	**3.5**	**<1.0**	**2.3**	**<2.0**	**<2.0**	**<2.0**	**250**	**<100**	**42.24**	**20.99**	**21.25**
MW-4	12/2/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.00	NA
MW-4	12/23/2002	<1,000	300	<10	<10	<10	<10	3200	<10	<10	<10	830	NA	NA	17.22	NA
MW-4	3/20/2003	<10,000	410	<100	<100	100	<200	9700	<200	<100	<100	2300	NA	42.41	20.47	21.94
MW-4	6/16/2003	<5,000	370 a	<50	<50	<50	<100	7300	<100	<100	<100	2100	NA	42.41	20.18	22.23
MW-4	9/18/2003	<2,500	250 a	<25	<25	<25	<50	3700	<100	<100	<100	910	NA	42.41	21.13	21.28
MW-4	12/2/2003	<2,000	540 a	<20	<20	<20	<40	3000	<80	<80	<80	420	NA	42.41	21.22	21.19
MW-4	3/1/2004	<2,500	320 a	<25	<25	<25	<50	3700	<100	<100	<100	540	NA	42.41	18.35	24.06

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MW-4	6/8/2004	<1,000	250 a	<10	<10	<10	<20	2700	<40	<40	<40	180	NA	42.41	21.34	21.07
MW-4	9/24/2004	<500	280 a	<5.0	<5.0	<5.0	<10	1100	<20	<20	<20	930	NA	42.41	22.89	19.52
MW-4	12/23/2004	1,200	450 b	120	<5.0	<5.0	<10	710	<20	<20	<20	1,800	NA	42.41	21.44	20.97
MW-4	3/2/2005	990	190 a	110	39	<5.0	29	1000	<20	<20	<20	1,000	NA	42.41	16.08	26.33
MW-4	6/17/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.41	17.76	24.65
MW-4	6/29/2005	670 e	390 a	<5.0	<5.0	<5.0	<10	290	<20	<20	<20	2,100	NA	42.41	17.80	24.61
MW-4	9/1/2005	<500	170 a	<5.0	<5.0	<5.0	<10	17	<20	<20	<20	1,900	NA	42.41	19.58	22.83
MW-4	12/8/2005	<500	200 g	<5.0	<5.0	<5.0	<5.0	410	NA	NA	NA	1,200	NA	42.41	20.79	21.62
MW-4	3/16/2006	744	523 h	<0.500	<0.500	<0.500	<0.500	190	NA	NA	NA	635	NA	42.41	15.85	26.56
MW-4	6/1/2006	<50.0	652 h	<0.500	<0.500	<0.500	<0.500	50.8	NA	NA	NA	588	NA	42.41	15.63	26.78
MW-4	9/26/2006	160	532 h	<0.50	<0.50	<0.50	<1.0	1.5	<1.0	<1.0	<1.0	480	<150 k,l	42.41	19.42	22.99
MW-4	12/8/2006	250	170 h	<0.50	<0.50	<0.50	<1.0	50	NA	NA	NA	600	NA	42.41	20.14	22.27
MW-4	3/12/2007	170	99 h	<0.50	<0.50	<0.50	<1.0	45	NA	NA	NA	520	NA	42.41	18.44	23.97
MW-4	6/7/2007	160 o	290 h	<0.50	<1.0	<1.0	<1.0	2.1	NA	NA	NA	370	NA	42.41	20.81	21.60
MW-4	9/10/2007	85 o	180 h,p	<0.50	<1.0	<1.0	<1.0	3	<2.0	<2.0	<2.0	270	<100	42.41	21.38	21.03
MW-4	12/10/2007	150 o,p	64 h,p	<0.50	<1.0	<1.0	<1.0	11	NA	NA	NA	540	NA	42.41	22.05	20.36
MW-4	2/22/2008	54 o	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	37	NA	42.41	18.06	24.35
MW-4	5/28/2008	84	61 h	<0.50	<1.0	<1.0	<1.0	3.6	NA	NA	NA	280	NA	42.41	21.01	21.40
MW-4	9/8/2008	80	210 h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	45	<100	42.41	22.41	20.00
MW-4	12/2/2008	180	260 h	<0.50	<1.0	<1.0	<1.0	1.8	NA	NA	NA	250	NA	42.41	23.36	19.05
MW-4	2/12/2009	85	220 p,h	<0.50	<1.0	<1.0	<1.0	1.1	NA	NA	NA	310	NA	42.41	22.43	19.98
MW-4	5/20/2009	67	80 h	<0.50	<1.0	<1.0	<1.0	1.4	NA	NA	NA	160	NA	42.41	21.35	21.06
MW-4	9/1/2009	74	350 h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	60	<100	42.41	23.04	19.37
MW-4	2/3/2010	57	130 p,r	<0.50	<1.0	<1.0	<1.0	1.6	NA	NA	NA	180	NA	42.41	18.10	24.31
MW-4	**8/6/2010**	**<50**	**91 r**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**1.1**	**<2.0**	**<2.0**	**<2.0**	**110**	**<100**	**42.41**	**19.27**	**23.14**

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MW-5	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.66	21.05	19.61
MW-5	12/23/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	3.3	<2.0	<2.0	<2.0	<5.0	NA	40.66	20.65	20.01
MW-5	3/2/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	1.3	<2.0	<2.0	<2.0	<5.0	NA	40.66	15.75	24.91
MW-5	6/17/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	1.6	<2.0	<2.0	<2.0	<5.0	NA	40.66	16.35	24.31
MW-5	9/1/2005	<50	140 a,f	<0.50	<0.50	<0.50	<1.0	1.4	<2.0	<2.0	<2.0	<5.0	NA	40.66	18.41	22.25
MW-5	12/8/2005	<50	110 g	<0.50	<0.50	<0.50	<0.50	1.3	NA	NA	NA	<5.0	NA	40.66	19.66	21.00
MW-5	3/16/2006	<50.0	<100 h	<0.500	<0.500	<0.500	<0.500	1.37	NA	NA	NA	<10.0	NA	40.66	14.79	25.87
MW-5	6/1/2006	<50.0	<49.5 h	<0.500	<0.500	<0.500	<0.500	1.42	NA	NA	NA	51.8	NA	40.66	14.39	26.27
MW-5	9/26/2006	50	<47.6 h	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<150 k,l	40.66	18.12	22.54
MW-5	12/8/2006	<50	<56 h,n	<0.50	<0.50	<0.50	<1.0	0.88	NA	NA	NA	<5.0	NA	40.66	18.81	21.85
MW-5	3/12/2007	<50	<50 h	<0.50	<0.50	<0.50	<1.0	0.78	NA	NA	NA	5.3	NA	40.66	16.39	24.27
MW-5	6/7/2007	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	0.86 q	NA	NA	NA	<10	NA	40.66	19.20	21.46
MW-5	9/10/2007	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	0.91 q	<2.0	<2.0	<2.0	<10	<100	40.66	20.63	20.03
MW-5	12/10/2007	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	0.96 q	NA	NA	NA	<10	NA	40.66	20.71	19.95
MW-5	2/22/2008	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	1.2	NA	NA	NA	<10	NA	40.66	17.19	23.47
MW-5	5/28/2008	<50	<50 h	<0.50	<1.0	<1.0	<1.0	1.2	NA	NA	NA	<10	NA	40.66	20.11	20.55
MW-5	9/8/2008	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<100	40.66	21.54	19.12
MW-5	12/2/2008	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	40.66	22.10	18.56
MW-5	2/12/2009	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	40.66	20.69	19.97
MW-5	5/20/2009	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	40.66	19.79	20.87
MW-5	9/1/2009	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<100	40.66	21.88	18.78
MW-5	2/3/2010	<50	<50 r	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	40.66	16.95	23.71
MW-5	**8/6/2010**	**<50**	**<50 r**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<100**	**40.66**	**19.76**	**20.90**
MW-6	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.43	20.15	19.28
MW-6	12/23/2004	<250	110 a	<2.5	<2.5	<2.5	<5.0	390	<10	<10	<10	<25	NA	39.43	19.50	19.93

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MW-6	3/2/2005	<250	<50	<2.5	<2.5	<2.5	<5.0	400	<10	<10	<10	<25	NA	39.23 c	14.72	24.51
MW-6	6/17/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	250	<2.0	<2.0	<2.0	28	NA	39.23	15.27	23.96
MW-6	9/1/2005	<250	<50	<2.5	<2.5	<2.5	<5.0	500	<10	<10	<10	<25	NA	39.23	17.22	22.01
MW-6	12/8/2005	<500	<47	<5.0	<5.0	<5.0	<5.0	240	NA	NA	NA	<50	NA	39.23	18.43	20.80
MW-6	3/16/2006	862	<100 h	<0.500	<0.500	<0.500	<0.500	221	NA	NA	NA	<10.0	NA	39.23	12.66	26.57
MW-6	6/1/2006	<50.0	<49.5 h	<0.500	<0.500	<0.500	<0.500	102	NA	NA	NA	<10.0	NA	39.23	13.58	25.65
MW-6	9/26/2006	170	<48.1 h	<1.0	<1.0	<1.0	<2.0	150	<2.0	<2.0	<2.0	<20	<300 k,l	39.23	16.96	22.27
MW-6	12/8/2006	260	<56 h,n	<0.50	<0.50	<0.50	<1.0	170	NA	NA	NA	<5.0	NA	39.23	17.78	21.45
MW-6	3/12/2007	150	<50 h	<0.50	<0.50	<0.50	<1.0	130	NA	NA	NA	16	NA	39.23	15.25	23.98
MW-6	6/7/2007	100 o,p	<50 h	<0.50	<1.0	<1.0	<1.0	130	NA	NA	NA	<10	NA	39.23	17.91	21.32
MW-6	9/10/2007	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	160	<2.0	<2.0	<2.0	<10	<100	39.23	19.42	19.81
MW-6	12/10/2007	120 o,p	<50 h	<0.50	<1.0	<1.0	<1.0	170	NA	NA	NA	<10	NA	39.23	19.47	19.76
MW-6	2/22/2008	95 o,p	<50 h	<0.50	<1.0	<1.0	<1.0	180	NA	NA	NA	<10	NA	39.23	15.96	23.27
MW-6	5/28/2008	170	<50 h	<1.0	<2.0	<2.0	<2.0	170	NA	NA	NA	<20	NA	39.23	18.89	20.34
MW-6	9/8/2008	230	<50 h	<1.0	<2.0	<2.0	<2.0	130	<4.0	<4.0	<4.0	<20	<200	39.23	20.28	18.95
MW-6	12/2/2008	130	<50 h	<0.50	<1.0	<1.0	<1.0	120	NA	NA	NA	<10	NA	39.23	20.80	18.43
MW-6	2/12/2009	130	<50 h	<0.50	<1.0	<1.0	<1.0	130	NA	NA	NA	<10	NA	39.23	19.41	19.82
MW-6	5/20/2009	150	<50 h	<0.50	<1.0	<1.0	<1.0	110	NA	NA	NA	<10	NA	39.23	18.54	20.69
MW-6	9/1/2009	170	<50 h	<0.50	<1.0	<1.0	<1.0	130	<2.0	<2.0	<2.0	<10	<100	39.23	20.66	18.57
MW-6	2/3/2010	150	<50 r	<0.50	<1.0	<1.0	<1.0	100	NA	NA	NA	<10	NA	39.23	16.81	22.42
MW-6	**8/6/2010**	**100**	**<50 r**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**76**	**<2.0**	**<2.0**	**<2.0**	**13**	**<100**	**39.23**	**18.50**	**20.73**
MW-7	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.50	19.98	19.52
MW-7	12/23/2004	<250	<50	<2.5	<2.5	<2.5	<5.0	690	<10	<10	<10	<25	NA	39.50	19.55	19.95
MW-7	3/2/2005	<250	<50	<2.5	<2.5	<2.5	<5.0	590	<10	<10	<10	<25	NA	39.50	15.35	24.15
MW-7	6/17/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	330	<2.0	<2.0	<2.0	34	NA	39.50	15.16	24.34

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-7	9/1/2005	<500	<50	<5.0	<5.0	<5.0	<10	430	<20	<20	<20	<50	NA	39.50	17.45	22.05
MW-7	12/8/2005	<500	<48	<5.0	<5.0	<5.0	<5.0	380	NA	NA	NA	<50	NA	39.50	18.66	20.84
MW-7	3/16/2006	881	<100 h	<0.500	<0.500	<0.500	<0.500	396	NA	NA	NA	<10.0	NA	39.50	12.90	26.60
MW-7	6/1/2006	<50.0	<49.5 h	<0.500	<0.500	<0.500	<0.500	192	NA	NA	NA	<10.0	NA	39.50	13.91	25.59
MW-7	9/26/2006	270	<48.5 h	<1.0	<1.0	<1.0	<2.0	290	<2.0	<2.0	<2.0	35	<300 k,l	39.50	17.17	22.33
MW-7	12/8/2006	480	65 h	<0.50	<0.50	<0.50	<1.0	360	NA	NA	NA	<5.0	NA	39.50	17.88	21.62
MW-7	3/12/2007	<500	<50 h	<5.0	<5.0	<5.0	<10	370	NA	NA	NA	<50	NA	39.50	15.36	24.14
MW-7	6/7/2007	260 o,p	<50 h	<0.50	<1.0	<1.0	<1.0	370	NA	NA	NA	<10	NA	39.50	18.20	21.30
MW-7	9/10/2007	<50 o	<50 h	<2.5	<5.0	<5.0	<5.0	480	<10	<10	<10	<50	<500	39.50	19.65	19.85
MW-7	12/10/2007	320 o,p	<50 h	<2.5	<5.0	<5.0	<5.0	520	NA	NA	NA	<50	NA	39.50	19.93	19.57
MW-7	2/22/2008	230 o,p	<50 h	<2.5	<5.0	<5.0	<5.0	690	NA	NA	NA	<50	NA	39.50	16.21	23.29
MW-7	5/28/2008	500	<50 h	<2.5	<5.0	<5.0	<5.0	520	NA	NA	NA	<50	NA	39.50	19.40	20.10
MW-7	9/8/2008	680	<50 h	<2.5	<5.0	<5.0	<5.0	430	<10	<10	<10	<50	<500	39.50	20.48	19.02
MW-7	12/2/2008	260	<50 h	<2.5	<5.0	<5.0	<5.0	220	NA	NA	NA	<50	NA	39.50	21.10	18.40
MW-7	2/12/2009	380	<50 h	<2.5	<5.0	<5.0	<5.0	330	NA	NA	NA	<50	NA	39.50	19.63	19.87
MW-7	5/20/2009	290	<50 h	<2.5	<5.0	<5.0	<5.0	280	NA	NA	NA	<50	NA	39.50	18.78	20.72
MW-7	9/1/2009	460	<50 h	<2.5	<5.0	<5.0	<5.0	320	<10	<10	<10	<50	<500	39.50	20.85	18.65
MW-7	2/3/2010	460	<50 r	<0.50	<1.0	<1.0	<1.0	340	NA	NA	NA	<10	NA	39.50	16.72	22.78
MW-7	**8/6/2010**	**280**	**<50 r**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**260**	**<4.0**	**<4.0**	**<4.0**	**48**	**<200**	**39.50**	**18.71**	**20.79**
MW-8	11/23/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.92	20.42	19.50
MW-8	12/23/2004	<250	<50	<2.5	<2.5	<2.5	<5.0	530	<10	<10	<10	<25	NA	39.92	19.98	19.94
MW-8	3/2/2005	<50 d	<50	<0.50	<0.50	<0.50	<1.0	130	<2.0	<2.0	<2.0	<5.0	NA	39.92	14.43	25.49
MW-8	6/17/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	50	<2.0	<2.0	<2.0	6.5	NA	39.92	15.92	24.00
MW-8	9/1/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	34	<2.0	<2.0	<2.0	<5.0	NA	39.92	17.85	22.07
MW-8	12/8/2005	<50	97 g	<0.50	<0.50	<0.50	<0.50	63	NA	NA	NA	5.6	NA	39.92	19.08	20.84

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-8	3/16/2006	<50.0	<100 h	<0.500	<0.500	<0.500	<0.500	15	NA	NA	NA	<10.0	NA	39.92	13.13	26.79
MW-8	6/1/2006	<50.0	<46.9 h	<0.500	<0.500	<0.500	<0.500	15.2	NA	NA	NA	<10.0	NA	39.92	14.20	25.72
MW-8	9/26/2006	<50	<48.5 h	<0.50	<0.50	<0.50	<1.0	20	<1.0	<1.0	<1.0	<10	<150 k,l	39.92	17.57	22.35
MW-8	12/8/2006	99	51 h	<0.50	<0.50	<0.50	<1.0	56	NA	NA	NA	<5.0	NA	39.92	18.31	21.61
MW-8	3/12/2007	<50	<50 h	<0.50	<0.50	<0.50	<1.0	40	NA	NA	NA	<5.0	NA	39.92	15.83	24.09
MW-8	6/7/2007	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	34	NA	NA	NA	<10	NA	39.92	18.56	21.36
MW-8	9/10/2007	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	77	<2.0	<2.0	<2.0	<10	<100	39.92	20.00	19.92
MW-8	12/10/2007	96 o,p	<50 h	<0.50	<1.0	<1.0	<1.0	140	NA	NA	NA	<10	NA	39.92	20.14	19.78
MW-8	2/22/2008	65 o	<50 h	<0.50	<1.0	<1.0	<1.0	91	NA	NA	NA	<10	NA	39.92	16.59	23.33
MW-8	5/28/2008	<50	<50 h	<0.50	<1.0	<1.0	<1.0	33	NA	NA	NA	<10	NA	39.92	19.55	20.37
MW-8	9/8/2008	71	<50 h	<0.50	<1.0	<1.0	<1.0	29	<2.0	<2.0	<2.0	<10	<100	39.92	20.90	19.02
MW-8	12/2/2008	99	<50 h	<0.50	<1.0	<1.0	<1.0	96	NA	NA	NA	<10	NA	39.92	21.48	18.44
MW-8	2/12/2009	93	<50 h	<0.50	<1.0	<1.0	<1.0	78	NA	NA	NA	<10	NA	39.92	20.07	19.85
MW-8	5/20/2009	<50	<50 h	<0.50	<1.0	<1.0	<1.0	37	NA	NA	NA	<10	NA	39.92	19.25	20.67
MW-8	9/1/2009	74	<50 h	<0.50	<1.0	<1.0	<1.0	49	<2.0	<2.0	<2.0	11	<100	39.92	21.26	18.66
MW-8	2/3/2010	60	<50 r	<0.50	<1.0	<1.0	<1.0	38	NA	NA	NA	<10	NA	39.92	16.20	23.72
MW-8	**8/6/2010**	**<50**	**<50 r**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<100**	**39.92**	**19.11**	**20.81**
MW-9	12/22/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.61	16.97	17.64
MW-9	2/12/2009	96	<50 h	<0.50	<1.0	<1.0	<1.0	84	NA	NA	NA	<10	NA	34.61	16.14	18.47
MW-9	5/20/2009	120	<50 h	<0.50	<1.0	<1.0	<1.0	120	NA	NA	NA	<10	NA	34.61	15.84	18.77
MW-9	9/1/2009	290	<50 h	<0.50	<1.0	<1.0	<1.0	220	<2.0	<2.0	<2.0	10	<100	34.61	17.56	17.05
MW-9	2/3/2010	<50	<50 r	<0.50	<1.0	<1.0	<1.0	14	NA	NA	NA	<10	NA	34.61	12.94	21.67
MW-9	**8/6/2010**	**190**	**<50 r**	**2.8**	**<1.0**	**<1.0**	**<1.0**	**170**	**<2.0**	**<2.0**	**<2.0**	**23**	**<100**	**34.61**	**15.91**	**18.70**
MW-10	12/22/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.97	15.61	17.36

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)
MW-10	2/12/2009	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	32.97	14.79	18.18
MW-10	5/20/2009	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	32.97	14.46	18.51
MW-10	9/1/2009	<50	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<100	32.97	16.19	16.78
MW-10	2/3/2010	<50	<50 r	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	<10	NA	32.97	12.11	20.86
MW-10	**8/6/2010**	**<50**	**<50 r**	**1.2**	**<1.0**	**<1.0**	**<1.0**	**1.4**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<100**	**32.97**	**14.66**	**18.31**
MW-11	12/22/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.52	22.72	18.80
MW-11	2/12/2009	58	170 p,h	<0.50	<1.0	<1.0	<1.0	47	NA	NA	NA	<10	NA	41.52	21.51	20.01
MW-11	5/20/2009	<50	<50 h	<0.50	<1.0	<1.0	<1.0	2.1	NA	NA	NA	<10	NA	41.52	20.35	21.17
MW-11	9/1/2009	<50	56 h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	<100	41.52	22.18	19.34
MW-11	2/3/2010	<50	<50 r	<0.50	<1.0	<1.0	<1.0	16	NA	NA	NA	<10	NA	41.52	18.85	22.67
MW-11	**8/6/2010**	**<50**	**<50 r**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**<100**	**41.52**	**19.45**	**22.07**

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.
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 Butanol or Tertiary butyl alcohol, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
NA = Not applicable

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (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)

Notes:

a = Hydrocarbon reported does not match the laboratory standard.

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

c = TOC altered -0.20 ft. due to wellhead maintenace on February 16, 2005.

d = The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

e = Quantity of unknown hydrocarbon(s) in sample based on gasoline.

f = Possible septum contamination in the sample. Sample was reanalyzed past hold time with surrogate recoveries within control limits and results of <50ppb.

g = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

h = Analyzed with silica gel clean-up.

i = Ambers were lost in transit to lab - no Diesel analysis was performed.

j = Secondary ion abundances were outside method requirements. Identification based on analytical judgement.

k = Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.

l = Laboratory Control Sample recovery was above the method control limits. Analyte not detected, data not impacted.

m = The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).

n = Reporting limit raised due to insufficient sample volume.

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

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.

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

r = The sample extract was subjected to Silica Gel treatment prior to analysis.

Ethanol analyzed by EPA 8260B.

Site surveyed December 11, 2002 by Mid Coast Engineers.

Wells MW-5, MW-6, MW-7, and MW-8 surveyed on November 29, 2004. Survey data provided by Delta Environmental.

APPENDIX A

BLAINE TECH SERVICES, INC.

FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 31235 MISSION BLVD. HAYWARD Date 8-6-10

Job Number 100806-FS1 Technician TS Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Well Box Meets Compliance Requirements *See Below	Water Bailed From Wellbox	Cap Replaced	Lock Replaced	Well Not Inspected (explain in notes)	New Deficiency Identified	Previously Identified Deficiency Persists	Notes
MW-1	✓	✓							
MW-2	✓	✓							
MW-3	✓	✓							
MW-4	✓	✓							
MW-5	✓	✓							
MW-6	✓	✓							
MW-7	✓	✓							
MW-8	✓	✓							
MW-9	✓	✓							
MW-10	✓	✓							
MW-11	✓	✓							

*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 # 100806-FS1 Date 8-6-10 Client SHELL

Site 31235 MISSION BLVD. HAYWARD, 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
MW-1	915	2					21.03	32.63	TOC	
MW-2	911	2					21.03	31.79		
MW-3	935	2					20.99	32.50		
MW-4	857	2					19.27	32.54		
MW-5	820	2					19.76	29.58		
MW-6	921	2					18.50	28.95		
MW-7	930	2					18.71	28.52		
MW-8	0906	2					19.11	28.72		
MW-9	840	4					15.91	24.70		
MW-10	833	4					14.66	24.70		
MW-11	850	2					19.45	63.91		

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 32.63	Depth to Water (DTW): 21.03
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]: 23.35	

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

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

1.9 (Gals.) X	4 =	7.6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1438	68.5	7.2	553	195	1.9	
1440	67.9	7.0	587	147	3.8	
1443	68.0	7.0	619	87	5.7	
1447	67.8	7.1	624	84	7.6	

Did well dewater? Yes (No) Gallons actually evacuated: 7.6

Sampling Date: 8-6-10 Sampling Time: 1450 Depth to Water: 22.12

Sample I.D.: MW-1 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 31.79	Depth to Water (DTW): 21.03
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]: 23.18	

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

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

1.8 (Gals.) X	4 =	7.2 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1413	72.0	7.3	527	17	1.8	
1415	69.0	6.8	510	165	3.6	
1418	68.6	7.2	528	88	5.4	
1422	68.3	7.2	540	136	7.2	

Did well dewater? Yes (No) Gallons actually evacuated: 7.2

Sampling Date: 8-6-10 Sampling Time: 1425 Depth to Water: 22.34

Sample I.D.: MW-2 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Oxygenates (5) (Other:) ETHANOL, TBA

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	

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 32.50	Depth to Water (DTW): 20.99
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]: 23.29	

Purge Method: Bailer; Disposable Bailer; ~~Positive Air Displacement~~; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

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

1.9 (Gals.) X	4	= 7.6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1510	69.1	6.9	433	102	1.9	
1512	69.0	6.5	457	41	3.8	
1515	69.0	6.5	460	21	5.7	
1518	69.3	6.6	459	12	7.6	

Did well dewater? Yes (No) Gallons actually evacuated: 7.6

Sampling Date: 8-6-10 Sampling Time: 1520 Depth to Water: 23.27

Sample I.D.: MW-3 Laboratory: (CalScience) Columbia Other ____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 32.54	Depth to Water (DTW): 19.27
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]: 21.92	

Purge Method: Bailer; Disposable Bailer; ~~Positive Air Displacement~~; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

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

2.2 (Gals.) X 4 = 8.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1306	68.8	7.6	485	132	2.2	
1310	68.3	7.3	428	43	4.4	
1316	68.3	7.3	389	17	6.6	
1322	68.8	7.5	376	26	8.8	

Did well dewater? Yes (No) Gallons actually evacuated: 8.8

Sampling Date: 8-6-10 Sampling Time: 1330 Depth to Water: 21.90

Sample I.D.: MW-4 Laboratory: (CalScience) Columbia Other ____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 29.58	Depth to Water (DTW): 19.76
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]: 21.72	

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

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

1.6 (Gals.) X	3	= 6.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1103	68.8	6.7	884	>1000	1.6	
1107	69.1	6.5	894	>1000	3.2	
1112	69.6	6.5	889	>1000	4.8	
1116	69.8	6.5	889	>1000	6.4	

Did well dewater? Yes (No) Gallons actually evacuated: 6.4

Sampling Date: 8-6-10 Sampling Time: 1125 Depth to Water: 19.82

Sample I.D.: MW-5 Laboratory: (CalScience) Columbia Other_____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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	

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 28.95	Depth to Water (DTW): 18.50
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]: 20.59	

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

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

1.7 (Gals.) X 4 = 6.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1155	72.1	5.19	1245	>1000	1.7	
1158	72.1	5.62	852.5	>1000	3.4	
1202	72.5	5.69	811.5	>1000	5.1	
1206	72.8	6.08	795.1	>1000	6.8	

Did well dewater? Yes (No) Gallons actually evacuated: 6.8

Sampling Date: 8-6-10 Sampling Time: 1212 Depth to Water: 18.49

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

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 28.52	Depth to Water (DTW): 18.71
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]: 20.67	

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

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

1.6 (Gals.) X 4 = 6.4 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1257	72.3	6.84	666.3	>1000	1.5	brown
1301	71.3	6.45	665.6	>1000	3	↓
1305	71.2	6.28	667.7	>1000	4.5	
1308	72.0	6.17	667.2	>1000	6.4	

Did well dewater? Yes (No) Gallons actually evacuated: 6.5

Sampling Date: 8-6-10 Sampling Time: 1315 Depth to Water: 18.70

Sample I.D.: MW-7 Laboratory: (CalScience) Columbia Other____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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	

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 28.72	Depth to Water (DTW): 19.11
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]: 21.03	

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

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

1.6 (Gals.) X	4 =	6.4 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1349	69.3	7.0	678	>1000	1.6	
1353	68.2	6.5	689	>1000	3.2	
1356	67.7	6.5	704	>1000	4.8	
1359	67.6	6.6	704	>1000	6.4	

Did well dewater? Yes (No) Gallons actually evacuated: 6.4

Sampling Date: 8-6-10 Sampling Time: 1405 Depth to Water: 19.11

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

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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	

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.70	Depth to Water (DTW): 15.91
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]: 17.66	

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

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

5.8 (Gals.) X	4	=	23.2 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1019	68.0	6.8	839	91	5.8	
1020	69.3	6.5	833	57	11.6	
1021	69.8	6.4	832	29	17.4	
1022	70.1	6.4	831	19	23.2	

Did well dewater? Yes (No) Gallons actually evacuated: 23.2

Sampling Date: 8-6-10 Sampling Time: 1030 Depth to Water: 16.02

Sample I.D.: MW-9 Laboratory: (CalScience) Columbia Other____

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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	

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.70	Depth to Water (DTW): 14.66
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]: 16.66	

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

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

6.6 (Gals.) X	3	=	19.8 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
952	69.0	7.3	841	293	6.6	
953	69.7	6.6	818	155	13.2	
954	69.8	6.4	815	71	19.8	
955	70.1	6.4	813	42.	26.4	

Did well dewater? Yes (No) Gallons actually evacuated: 26.4

Sampling Date: 8-6-10 Sampling Time: 1000 Depth to Water: 14.72

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

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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

SHEET WELL MONITORING DATA SHEET

BTS #: 100806-FS1	Site: 31235 MISSION BLVD. HAYWARD, CA
Sampler: FS	Date: 8-6-10
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 63.91	Depth to Water (DTW): 19.95
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]: 29.34	

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

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

7.2	(Gals.) X	4	=	28.8	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1142	67.7	7.0	897	495	7.2	
1150	67.9	6.9	895	290	14.4	
1157	67.1	7.0	896	221	21.6	
1205	67.1	6.8	896	166	28.8	

Did well dewater? Yes (No) Gallons actually evacuated: 28.8

Sampling Date: 8-6-10 Sampling Time: 1210 Depth to Water: 25.99

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

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Oxygenates (5)) (Other:) ETHANOL, TBA

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 SITE INSPECTION CHECKLIST

Client Shell Date 5/6/10

Site Address 31235 Mission Blvd. Hayward

Job Number 100506-BLW1 Technician BLW

Site Status Shell Branded Station Vacant Lot Other

Inspected / Labeled / Cleaned - all wells on Scope Of Work	☒	
Inspected / Cleaned Components - all other identifiable wells	☒	N/A
Inspected site for site investigation & site remediation related trip hazards	☒	
Completed all outstanding *BLAINE Wellhead Repair Order(s)*	☒	N/A
Completed *Shell Wellhead Repair Form(s)*	☒	N/A
Inspected treatment / remediation system compound for security, cleanliness and appearance	☐	(N/A)
Inspected vacant lot for signs of habitation, hazardous materials or terrain, overgrown vegetation and security	☐	(N/A)
Visually inspected site drums for condition and proper labeling	☒	N/A
Unresolved deficiencies identified - *"Notice of Deficient Condition"* form(s) completed	☐	(N/A)

Notes

PROJECT MANAGER ONLY

Checklist Reviewed _____ Initial/Date Notes

SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Site Address 31235 Mission Blvd. Hayward Date 5/6/10

Job Number 100506-BW1 Technician BW Page 1 of 2

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
MW-1							X										X		
	Notes: Retapped 2/2 Tabs																		
	Well box type / size: 12" Pemco																Materials used: 2 bolts		
MW-2							X										X		
	Notes: Retapped 2/2 Tabs																		
	Well box type / size: 8" Morrison																Materials used: 2 bolts		
MW-3							X		X								X		
	Notes: Retapped 2/2 Tabs																		
	Well box type / size: 6" Morrison																Materials used: 2 bolts		
MW-4							X		X								X		
	Notes: Retapped 2/2 Tabs																		
	Well box type / size: 6" Morrison																Materials used: 2 bolts		
MW-5			X	X			X										X		
	Notes: Retapped 2/2 Tabs - Tagged																		
	Well box type / size: 12" Emco																Materials used: 2 bolts		
MW-6				X			X										X		
	Notes: Retapped 2/2 Tabs																		
	Well box type / size: 12" Emco																Materials used: 2 bolts		
MW-7							X										X		
	Notes: Retapped 2/2 Tabs																		
	Well box type / size: 8" Morrison																Materials used: 2 bolts		

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address 31235 Mission Blvd. Hayward Date 5/6/10

Job Number 100506-BW1 Technician BW Page 2 of 2

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
MW-8							X										X		
Notes: Retapped 2/2 Tabs																			
Well box type / size: 12" Emco																	Materials used: 2 bolts		
MW-9							X										X		
Notes: Retapped 2/2 Tabs																			
Well box type / size: 12" Emco																	Materials used: 2 bolts		
MW-10							X										X		
Notes: Retapped 2/2 Tabs																			
Well box type / size: 12" Emco																	Materials used: 2 bolts		
MW-11				X			X										X		
Notes: Retapped 2/2 Tabs																			
Well box type / size: 12" Emco																	Materials used: 2 bolts		
Tank Backfill Well #1		1/4	X				X										X		
Notes: Retapped 2/2 Tabs - No Tag																			
Well box type / size: 12" Universal																	Materials used: 2 bolts		
Notes:																			
Well box type / size:																	Materials used:		
Notes:																			
Well box type / size:																	Materials used:		

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address: 31235 Mission Blvd. Hayward Date: 3/26/10

Job Number: 100326-BW1 Technician: BW Page: 1 of 1

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	All Repairs Completed	Remaining Deficiencies Logged onto *BLAINE Repair Order*	Remaining Deficiencies Logged onto *Notice of Deficient Condition* - BLAINE Unable to Repair
MW-2								X	X								X		
	Notes: Replaced Wellbox w/ 8" Morrison																		
	Well box type / size: 8" Morrison																Materials used: 1 Box, 2 bags		
MW-7						X		X	X	X	X						X		
	Notes: Replaced Wellbox w/ 8" Morrison																		
	Well box type / size: 8" Morrison																Materials used: 1 Box, 4 bags		
	Notes:																		
	Well box type / size:																Materials used:		
	Notes:																		
	Well box type / size:																Materials used:		
	Notes:																		
	Well box type / size:																Materials used:		
	Notes:																		
	Well box type / size:																Materials used:		
	Notes:																		
	Well box type / size:																Materials used:		

APPENDIX B

BLAINE TECH SERVICES, INC.

FIELD PROCEDURES

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

August 23, 2010

Sam Brenneke
HSE – Environmental Services
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Third Quarter 2010 Groundwater Monitoring at
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Monitoring performed on August 6, 2010

Groundwater Monitoring Report **100806-FS-1**

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

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

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

independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Manager

MN/np

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

cc: Regina Bussard
Delta Environmental
175 Bernal Road, 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 dewaters 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 C

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

Calscience Environmental Laboratories, Inc.

August 19, 2010

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

Subject: **Calscience Work Order No.: 10-08-0735**
Client Reference: 31235 Mission Blvd., Hayward, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 8/10/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	08/10/10
1680 Rogers Avenue		Work Order No:	10-08-0735
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	EPA 8015B

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**10-08-0735-1-D**	**08/06/10 14:50**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 17:26**	**100811B15**

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

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	**10-08-0735-2-D**	**08/06/10 14:25**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 17:43**	**100811B15**

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

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	54	50	1		ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**10-08-0735-3-D**	**08/06/10 15:20**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 18:01**	**100811B15**

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

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	740	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 08/10/10
Work Order No: 10-08-0735
Preparation: EPA 3510C
Method: EPA 8015B

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	**10-08-0735-4-D**	**08/06/10 15:30**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 18:19**	**100811B15**

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

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	91	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	91	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	**10-08-0735-5-D**	**08/06/10 11:25**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 18:36**	**100811B15**

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

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	96	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	**10-08-0735-6-D**	**08/06/10 12:12**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 18:54**	**100811B15**

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

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	**10-08-0735-7-D**	**08/06/10 13:15**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 19:12**	**100811B15**

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

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	88	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	08/10/10
1680 Rogers Avenue		Work Order No:	10-08-0735
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	EPA 8015B

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	**10-08-0735-8-D**	**08/06/10 14:05**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 19:30**	**100811B15**

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

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	97	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	**10-08-0735-9-D**	**08/06/10 10:30**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 19:48**	**100811B15**

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

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-10	**10-08-0735-10-D**	**08/06/10 10:00**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 20:05**	**100811B15**

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

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-11	**10-08-0735-11-D**	**08/06/10 12:10**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 20:41**	**100811B15**

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

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	100	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received: 08/10/10
1680 Rogers Avenue	Work Order No: 10-08-0735
San Jose, CA 95112-1105	Preparation: EPA 3510C
	Method: EPA 8015B

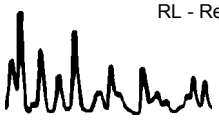
Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-1,772**	**N/A**	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10 16:33**	**100811B15**

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

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	108	68-140	

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



Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	08/10/10
1680 Rogers Avenue	Work Order No:	10-08-0735
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**10-08-0735-1-A**	**08/06/10 14:50**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10 03:37**	**100813L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	70	1.0	1		TPPH	160	50	1	
Tert-Butyl Alcohol (TBA)	1300	50	5						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	112	80-126			1,2-Dichloroethane-d4	108	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	95	80-120							

MW-2	**10-08-0735-2-A**	**08/06/10 14:25**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10 01:35**	**100813L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	71	50	1	
Tert-Butyl Alcohol (TBA)	27	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	80-126			1,2-Dichloroethane-d4	107	80-131		
Toluene-d8	98	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	96	80-120							

MW-3	**10-08-0735-3-B**	**08/06/10 15:20**	**Aqueous**	**GC/MS CC**	**08/17/10**	**08/17/10 17:57**	**100817L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	3.5	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	2.3	1.0	1		TPPH	2600	50	1	
Tert-Butyl Alcohol (TBA)	250	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	80-126			1,2-Dichloroethane-d4	99	80-131		
Toluene-d8	107	80-120			Toluene-d8-TPPH	111	88-112		
1,4-Bromofluorobenzene	106	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	08/10/10
1680 Rogers Avenue		Work Order No:	10-08-0735
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B
		Units:	ug/L

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	**10-08-0735-4-A**	**08/06/10 15:30**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10 04:37**	**100813L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	1.1	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	110	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	112	80-126			1,2-Dichloroethane-d4	108	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	96	80-120							

MW-5	**10-08-0735-5-A**	**08/06/10 11:25**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10 05:07**	**100813L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	114	80-126			1,2-Dichloroethane-d4	112	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	93	80-120							

MW-6	**10-08-0735-6-A**	**08/06/10 12:12**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10 05:37**	**100813L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	76	1.0	1		TPPH	100	50	1	
Tert-Butyl Alcohol (TBA)	13	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	114	80-126			1,2-Dichloroethane-d4	111	80-131		
Toluene-d8	101	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	95	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	08/10/10
1680 Rogers Avenue	Work Order No:	10-08-0735
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	**10-08-0735-7-A**	**08/06/10 13:15**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10 06:07**	**100813L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.0	2		Diisopropyl Ether (DIPE)	ND	4.0	2	
Ethylbenzene	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
Toluene	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
Xylenes (total)	ND	2.0	2		Ethanol	ND	200	2	
Methyl-t-Butyl Ether (MTBE)	260	2.0	2		TPPH	280	100	2	
Tert-Butyl Alcohol (TBA)	48	20	2						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	115	80-126			1,2-Dichloroethane-d4	110	80-131		
Toluene-d8	100	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	96	80-120							

MW-8	**10-08-0735-8-A**	**08/06/10 14:05**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10 06:37**	**100813L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	112	80-126			1,2-Dichloroethane-d4	113	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	95	80-120							

MW-9	**10-08-0735-9-B**	**08/06/10 10:30**	**Aqueous**	**GC/MS CC**	**08/17/10**	**08/17/10 18:29**	**100817L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.8	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	170	1.0	1		TPPH	190	50	1	
Tert-Butyl Alcohol (TBA)	23	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	109	80-126			1,2-Dichloroethane-d4	105	80-131		
Toluene-d8	101	80-120			Toluene-d8-TPPH	103	88-112		
1,4-Bromofluorobenzene	99	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	08/10/10
1680 Rogers Avenue	Work Order No:	10-08-0735
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-10	**10-08-0735-10-A**	**08/06/10 10:00**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10 07:36**	**100813L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	1.2	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	1.4	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	119	80-126			1,2-Dichloroethane-d4	116	80-131		
Toluene-d8	99	80-120			Toluene-d8-TPPH	102	88-112		
1,4-Bromofluorobenzene	94	80-120							

MW-11	**10-08-0735-11-B**	**08/06/10 12:10**	**Aqueous**	**GC/MS CC**	**08/17/10**	**08/17/10 19:01**	**100817L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	111	80-126			1,2-Dichloroethane-d4	107	80-131		
Toluene-d8	102	80-120			Toluene-d8-TPPH	104	88-112		
1,4-Bromofluorobenzene	98	80-120							

Method Blank	**099-12-767-4,466**	**N/A**	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10 01:04**	**100813L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	110	80-126			1,2-Dichloroethane-d4	105	80-131		
Toluene-d8	98	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	97	80-120							

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

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

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

Date Received: 08/10/10
Work Order No: 10-08-0735
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-4,470**	**N/A**	**Aqueous**	**GC/MS CC**	**08/17/10**	**08/17/10 13:07**	**100817L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Xylenes (total)	ND	1.0	1		Ethanol	ND	100	1	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	1		TPPH	ND	50	1	
Tert-Butyl Alcohol (TBA)	ND	10	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	80-126		1,2-Dichloroethane-d4	103	80-131	
Toluene-d8	100	80-120		Toluene-d8-TPPH	99	88-112	
1,4-Bromofluorobenzene	101	80-120					

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 08/10/10
Work Order No: 10-08-0735
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-2	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10**	**100813S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	97	80-120	1	0-20	
Ethylbenzene	96	95	73-127	1	0-20	
Toluene	99	99	80-120	0	0-20	
Methyl-t-Butyl Ether (MTBE)	97	101	65-131	3	0-22	
Tert-Butyl Alcohol (TBA)	91	95	62-134	4	0-20	
Diisopropyl Ether (DIPE)	101	104	64-136	3	0-29	
Ethyl-t-Butyl Ether (ETBE)	90	93	70-124	4	0-20	
Tert-Amyl-Methyl Ether (TAME)	81	81	71-125	0	0-20	
Ethanol	83	92	44-152	10	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 08/10/10
Work Order No: 10-08-0735
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-08-1053-2	**Aqueous**	**GC/MS CC**	**08/17/10**	**08/17/10**	**100817S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	116	113	80-120	2	0-20	
Ethylbenzene	112	110	73-127	2	0-20	
Toluene	118	116	80-120	2	0-20	
Methyl-t-Butyl Ether (MTBE)	114	114	65-131	0	0-22	
Tert-Butyl Alcohol (TBA)	93	99	62-134	7	0-20	
Diisopropyl Ether (DIPE)	119	118	64-136	1	0-29	
Ethyl-t-Butyl Ether (ETBE)	111	111	70-124	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	100	102	71-125	2	0-20	
Ethanol	76	79	44-152	3	0-43	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	10-08-0735
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-1,772	**Aqueous**	**GC 27**	**08/11/10**	**08/12/10**	**100811B15**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	95	93	75-117	2	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	10-08-0735
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B

Project: 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,466	**Aqueous**	**GC/MS CC**	**08/13/10**	**08/14/10**	**100813L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	98	98	80-120	0	0-20	
Ethylbenzene	97	96	80-123	0	0-20	
Toluene	99	99	80-120	0	0-20	
Methyl-t-Butyl Ether (MTBE)	96	96	75-123	1	0-25	
Tert-Butyl Alcohol (TBA)	92	92	72-126	1	0-20	
Diisopropyl Ether (DIPE)	101	101	75-129	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	92	92	76-124	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	83	84	79-121	1	0-20	
Ethanol	94	86	53-143	9	0-25	
TPPH	107	111	65-135	4	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.		Date Received:	N/A
1680 Rogers Avenue		Work Order No:	10-08-0735
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	LUFT GC/MS / EPA 8260B

Project: 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-767-4,470	**Aqueous**	**GC/MS CC**	**08/17/10**	**08/17/10**	**100817L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	110	107	80-120	2	0-20	
Ethylbenzene	108	106	80-123	2	0-20	
Toluene	111	110	80-120	1	0-20	
Methyl-t-Butyl Ether (MTBE)	115	112	75-123	2	0-25	
Tert-Butyl Alcohol (TBA)	98	95	72-126	2	0-20	
Diisopropyl Ether (DIPE)	115	114	75-129	1	0-22	
Ethyl-t-Butyl Ether (ETBE)	113	110	76-124	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	101	100	79-121	1	0-20	
Ethanol	90	91	53-143	1	0-25	
TPPH	106	111	65-135	5	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-08-0735

Qualifier	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
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.

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Regina Bussard

INCIDENT # (ENV SERVICES) 9 7 4 5 6 5 3 2 ☐ CHECK IF NO INCIDENT # APPLIES

DATE: 8-6-10

PAGE: 1 of 2

PO #

SAP #

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
ADDRESS: 1680 Rogers Ave, San Jose, CA 95112
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata
TELEPHONE: (408)573-0555 FAX: (408)573-7771 E-MAIL: mninokata@blainetech.com

SITE ADDRESS: Street and City: 31235 Mission Blvd., Hayward State: CA
GLOBAL ID NO.: T0600170016
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.: 100806-FS1
BTS #
SAMPLER NAME(S) (Print): F. SPIWONUTONG
LAB USE ONLY: 08-0735

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 Regina Bussard w/final report rbussard@deltaenv.com

Run TPH-d w/Silica Gel Clean Up

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

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
1	MW-1	8-6-10	1450	W	X			X		5	X	X	X	X	X	X						X		
2	MW-2	↓	1425	↓	X			X		5	X	X	X	X	X	X						X		
3	MW-3		1520		X			X		5	X	X	X	X	X	X						X		
4	MW-4		1530		X			X		5	X	X	X	X	X	X						X		
5	MW-5		1125		X			X		5	X	X	X	X	X	X						X		
6	MW-6		1212		X			X		5	X	X	X	X	X	X						X		
7	MW-7		1315		X			X		5	X	X	X	X	X	X						X		
8	MW-8		1405		X			X		5	X	X	X	X	X	X						X		
9	MW-9		1030		X			X		5	X	X	X	X	X	X						X		
10	MW-10	↓	1000	↓	X			X		5	X	X	X	X	X	X						X		

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	8-06-10	1650
[signature] (Sample Custodian)	To O'Malley CEL	8/9/10	1015
[signature] CEL 8-9-10 1730	[signature]	8/10/10	1000

05/2/06 Revision

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)

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

Please Check Appropriate Box:

☐ ENV. SERVICES ☐ MOTIVA RETAIL ☐ SHELL RETAIL
☐ MOTIVA SD&CM ☑ CONSULTANT ☐ LUBES
☐ SHELL PIPELINE ☐ OTHER _____

Print Bill To Contact Name: Regina Bussard

PO #

INCIDENT # (ENV SERVICES): 9 7 4 5 6 5 3 2 ☐ CHECK IF NO INCIDENT # APPLIES

SAP #

DATE: 8-6-10

PAGE: 2 of 2

SAMPLING COMPANY: Blaine Tech Services | LOG CODE: BTSS

SITE ADDRESS: Street and City: 31235 Mission Blvd., Hayward | State: CA | GLOBAL ID NO.: T0600170016

ADDRESS: 1680 Rogers Ave, San Jose, CA 95112

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.: 100806-FS1 | BTS #

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

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

SAMPLER NAME(S) (Print): F. SRIWONGTONG

LAB USE ONLY: 08- 0735

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 Regina Bussard w/final report rbussard@deltaenv.com

Run TPH-d w/Silica Gel Clean Up

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Container PID Readings or Laboratory Notes
11	MW-1	8-6-10	12 10	W	X			X		5	X	X	X	X	X	X						X		

TEMPERATURE ON RECEI... C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		8-06-10	1650
(Sample Custody)	Tom O'Malley CEC	8/9/10	1015
CD (GSD) 8-9-10 1730		8/10/10	1000

05/2/06 Revision

0715

GSO

WebShip > > > > >

800-322-5555 www.gso.com

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

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

COD:
$0.00

Reference:
BTS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 514710457

NPS

ORC

D

GARDEN GROVE

D92843A

83761811

Print Date : 08/09/10 15:05 PM

Package 2 of 2

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

LABEL INSTRUCTIONS:

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

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-08-0735

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: BTS DATE: 08/10/10

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

Temperature 2.4 °C + 0.5 °C (CF) = 2.9 °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: AP

CUSTODY SEALS INTACT:

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

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

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

CONTAINER TYPE:

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

Water: ☐VOA ☑3 VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs

☐500AGB ☑2 500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna

☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

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

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

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