January 25, 2008
DELTA Project: SJ312351X
SAP: 135356

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

Re: FOURTH QUARTER 2007 GROUNDWATER MONITORING REPORT
Shell-Branded Service Station
31235 Mission Blvd.
Hayward, California

DELTA

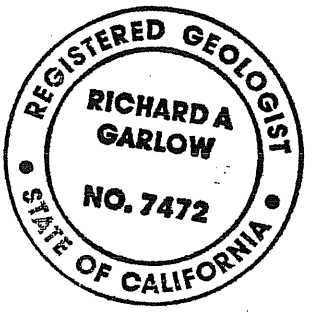
Dear Mr. Berkins:

On behalf of Shell Oil Products (SHELL), Delta Consultants (DELTA) has prepared this *Fourth Quarter 2007 Groundwater Monitoring Report* for the above referenced site. The sampling activities at the site were conducted by Blaine Tech Services, Inc. under contract to SHELL and included the collection of groundwater samples and static water level measurements. A DELTA staff member under the supervision of a California Registered Civil Engineer or a California Professional Geologist performed the data evaluation.

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

If you have any questions regarding this site, please contact Mr. Richard Garlow (DELTA) at (408) 826-1880 or Mr. Dave Kremer (SHELL) at (916) 853-8906.

Sincerely,
Delta Consultants



Richard A. Garlow, M.S., P.G.
Project Manager

Attachment: Fourth Quarter 2007 Groundwater Monitoring Report

cc: Dave Kremer, Shell Oil Products US, Carson
Chuck Headlee, RWQCB San Francisco Region
Danilo Galang, City of Hayward Fire Department, Hayward
Allen and Nelson Hutchison, Property Owner, Hayward
Patti Harrison, Fowler Property Acquisitions, San Francisco

January 25, 2008

SHELL QUARTERLY STATUS REPORT

Station Address:	31235 Mission Blvd., Hayward, California
DELTA Project No.:	SJ312351X
SHELL Project Manager/Phone No.:	David Kremer / (916) 853-8906
DELTA Site Manager/Phone No.:	Richard Garlow / (408) 826-1880
Primary Agency/Regulatory ID No.:	ACWD/ Tom Berkins
Other Agencies to Receive Copies:	RWQCB San Francisco Region City of Hayward Fire Department

WORK PERFORMED THIS QUARTER (FOURTH - 2007):

1. Quarterly groundwater monitoring and sampling. Submitted quarterly report.
2. Work Plan approved, site access approval from owner, work plan sent to site manager.

WORK PROPOSED FOR NEXT QUARTER (FIRST - 2008):

1. Quarterly groundwater monitoring and sampling. Submit quarterly report.
2. Install of onsite well MW-11 and offsite wells MW-9 and MW-10.

Current Phase of Project:	Groundwater monitoring and off-site investigation.
Frequency of Sampling:	Quarterly
Frequency of Monitoring:	Quarterly
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 interspersed with thin layers of silt, silty sand, clayey sand, and clayey gravel. The maximum depth explored was 33 feet below grade (bg).
Current Remediation Techniques:	None
Permits for Discharge:	None
Approximate Depth to Groundwater:	19.47 feet to 22.13 feet below top of well casing.
Groundwater Gradient:	West at approximately 0.001 ft/ft.
Current Agency Correspondence:	Facsimile correspondence dated March 27, 2007 stating the ownership change confirmation to *FPA Hayward Associates, L.P.*

January 25, 2008

SHELL QUARTERLY 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
Offsite Assessment	December 2003 Soil Boring SB-2 through 8, November 2004 Installation of MW-5 through MW-8
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

ATTACHED:

- Table 1 – Well Concentrations
- Figure 1 – Site Location and Well Survey Map
- Figure 2 – Groundwater Elevation Contour Map
- Figure 3 – Hydrocarbon Distribution in Groundwater Map
- Appendix A – Field Data Sheets
- Appendix B – Field Procedures
- Appendix C – Laboratory Report and Chain-of-Custody Documentation

TABLE

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	12/02/2002	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	9,600	<20	<20	<20	1,200	NA	NA	18.77	NA
MW-1	03/20/2003	<13,000	<50	<130	<130	<130	<250	14,000	<250	<130	<130	1,400	NA	42.19	20.58	21.61
MW-1	06/16/2003	<10,000	75 a	<100	<100	<100	<200	14,000	<400	<400	<400	2,100	NA	42.19	19.99	22.20
MW-1	09/18/2003	<10,000	<50	<100	<100	<100	<200	19,000	<400	<400	<400	3,000	NA	42.19	21.66	20.53
MW-1	12/02/2003	<13,000	69 a	<130	<130	<130	<250	22,000	<500	<500	<500	1,500	NA	42.19	22.08	20.11
MW-1	03/01/2004	<10,000	90 a	<100	<100	<100	<200	13,000	<400	<400	<400	1,200	NA	42.19	18.76	23.43
MW-1	06/08/2004	<5,000	84 a	<50	<50	<50	<100	7,200	<200	<200	<200	3,500	NA	42.19	21.71	20.48
MW-1	09/24/2004	<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	03/02/2005	<1,000	84 b	<10	<10	<10	<20	79	<40	<40	<40	6,600	NA	42.19	16.84	25.35
MW-1	06/17/2005	<1,000	67 b	<10	<10	<10	<20	110	<40	<40	<40	7,400	NA	42.19	17.75	24.44
MW-1	09/01/2005	<1,000	<50	<10	<10	<10	<20	120	<40	<40	<40	1,800	NA	42.19	19.68	22.51
MW-1	12/08/2005	<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	03/16/2006	<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	06/01/2006	<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	09/26/2006	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	12/08/2006	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	03/12/2007	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	06/07/2007	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	09/10/2007	<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-2	12/02/2002	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	4,200	<10	<10	<10	130	NA	NA	18.51	NA
MW-2	03/20/2003	<13,000	<60	<130	<130	<130	<250	8,800	<250	<130	<130	<1300	NA	42.18	20.70	21.48

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MW-2	06/16/2003	<10,000	70 a	<100	<100	<100	<200	6,200	<400	<400	<400	<1000	NA	42.18	20.00	22.18
MW-2	09/18/2003	<2,500	630 a	<25	<25	<25	<50	8,700	<100	<100	<100	330	NA	42.18	21.68	20.50
MW-2	12/02/2003	<5,000	59 a	<50	<50	<50	<100	5,000	<200	<200	<200	940	NA	42.18	22.08	20.10
MW-2	03/01/2004	<2,000	67 a	<20	<20	<20	<40	1,900	<80	<80	<80	2,000	NA	42.18	18.65	23.53
MW-2	06/08/2004	<500	<50	<5.0	<5.0	<5.0	<10	79	<20	<20	<20	3,100	NA	42.18	21.63	20.55
MW-2	09/24/2004	<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	03/02/2005	<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	06/17/2005	<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	09/01/2005	<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	12/08/2005	<250	<48	<2.5	<2.5	<2.5	<2.5	12	NA	NA	NA	200	NA	42.18	20.89	21.29
MW-2	03/16/2006	<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	06/01/2006	<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	09/26/2006	<50	<47.6 h	<0.50	<0.50	<0.50	<1.0	3.0	<1.0	<1.0	<1.0	28	<150 k,l,m	42.18	19.34	22.84
MW-2	12/08/2006	<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	03/12/2007	<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	06/07/2007	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
MW-2	09/10/2007	<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-3	12/02/2002	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	3,000	<5.0	<5.0	6.4	610	NA	NA	18.06	NA
MW-3	03/20/2003	<10,000	1,900	<100	<100	100	<200	4,300	<200	<100	<100	1,100	NA	42.24	20.03	22.21
MW-3	06/16/2003	2,900	1,400 a	<25	<25	69	50	4,800	<100	<100	<100	1,500	NA	42.24	20.23	22.01
MW-3	09/18/2003	3,700	820 a	<10	<10	40	29	3,700	<40	<40	<40	460	NA	42.24	20.85	21.39
MW-3	12/02/2003	2,900 a	690 a	<10	<10	40	<20	1,400	<40	<40	<40	280	NA	42.24	21.21	21.03

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MW-3	03/01/2004	2,000	660 a	<10	<10	22	<20	1,400	<40	<40	<40	260	NA	42.24	19.00	23.24
MW-3	06/08/2004	2,200	650 a	<5.0	<5.0	26	24	1,400	<20	<20	<20	380	NA	42.24	21.63	20.61
MW-3	09/24/2004	3,300 a	1,100 b	<5.0	<5.0	52	13	1,500	<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	03/02/2005	3,600	670 b	56	16	33	21	550	<20	<20	<20	790	NA	42.24	16.48	25.76
MW-3	06/17/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.24	17.34	24.90
MW-3	06/29/2005	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	09/01/2005	1,900 e	470 b	<5.0	<5.0	10	<10	190	<20	<20	<20	1,300	NA	42.24	19.57	22.67
MW-3	12/08/2005	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	03/16/2006	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	06/01/2006	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	09/26/2006	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	12/08/2006	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	03/12/2007	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	06/07/2007	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	09/10/2007	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-4	12/02/2002	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	3,200	<10	<10	<10	830	NA	NA	17.22	NA
MW-4	03/20/2003	<10,000	410	<100	<100	100	<200	9,700	<200	<100	<100	2300	NA	42.41	20.47	21.94
MW-4	06/16/2003	<5,000	370 a	<50	<50	<50	<100	7,300	<100	<100	<100	2100	NA	42.41	20.18	22.23
MW-4	09/18/2003	<2,500	250 a	<25	<25	<25	<50	3,700	<100	<100	<100	910	NA	42.41	21.13	21.28
MW-4	12/02/2003	<2,000	540 a	<20	<20	<20	<40	3,000	<80	<80	<80	420	NA	42.41	21.22	21.19
MW-4	03/01/2004	<2,500	320 a	<25	<25	<25	<50	3,700	<100	<100	<100	540	NA	42.41	18.35	24.06
MW-4	06/08/2004	<1,000	250 a	<10	<10	<10	<20	2,700	<40	<40	<40	180	NA	42.41	21.34	21.07

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MW-4	09/24/2004	<500	280 a	<5.0	<5.0	<5.0	<10	1,100	<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	03/02/2005	990	190 a	110	39	<5.0	29	1,000	<20	<20	<20	1,000	NA	42.41	16.08	26.33
MW-4	06/17/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.41	17.76	24.65
MW-4	06/29/2005	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	09/01/2005	<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	12/08/2005	<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	03/16/2006	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	06/01/2006	<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	09/26/2006	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	12/08/2006	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	03/12/2007	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	06/07/2007	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	09/10/2007	85 o	180 h,p	<0.50	<1.0	<1.0	<1.0	3.0	<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-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	03/02/2005	<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	06/17/2005	<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	09/01/2005	<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	12/08/2005	<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	03/16/2006	<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	06/01/2006	<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	09/26/2006	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	12/08/2006	<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

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-5	03/12/2007	<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	06/07/2007	<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	09/10/2007	<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-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
MW-6	03/02/2005	<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	06/17/2005	<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	09/01/2005	<250	<50	<2.5	<2.5	<2.5	<5.0	500	<10	<10	<10	<25	NA	39.23	17.22	22.01
MW-6	12/08/2005	<500	<47	<5.0	<5.0	<5.0	<5.0	240	NA	NA	NA	<50	NA	39.23	18.43	20.80
MW-6	03/16/2006	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	06/01/2006	<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	09/26/2006	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	12/08/2006	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	03/12/2007	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	06/07/2007	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	09/10/2007	<50 o	<50 h	<0.50	<1.0	<1.0	<1.0	160.0	<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-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	03/02/2005	<250	<50	<2.5	<2.5	<2.5	<5.0	590	<10	<10	<10	<25	NA	39.50	15.35	24.15
MW-7	06/17/2005	<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
MW-7	09/01/2005	<500	<50	<5.0	<5.0	<5.0	<10	430	<20	<20	<20	<50	NA	39.50	17.45	22.05
MW-7	12/08/2005	<500	<48	<5.0	<5.0	<5.0	<5.0	380	NA	NA	NA	<50	NA	39.50	18.66	20.84

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	03/16/2006	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	06/01/2006	<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	09/26/2006	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	12/08/2006	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	03/12/2007	<500	<50 h	<5.0	<5.0	<5.0	<10	370	NA	NA	NA	<50	NA	39.50	15.36	24.14
MW-7	06/07/2007	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	09/10/2007	<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-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	03/02/2005	<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	06/17/2005	<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	09/01/2005	<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	12/08/2005	<50	97 g	<0.50	<0.50	<0.50	<0.50	63	NA	NA	NA	5.6	NA	39.92	19.08	20.84
MW-8	03/16/2006	<50.0	<100 h	<0.500	<0.500	<0.500	<0.500	15.0	NA	NA	NA	<10.0	NA	39.92	13.13	26.79
MW-8	06/01/2006	<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	09/26/2006	<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	12/08/2006	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	03/12/2007	<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	06/07/2007	<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	09/10/2007	<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**

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

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.

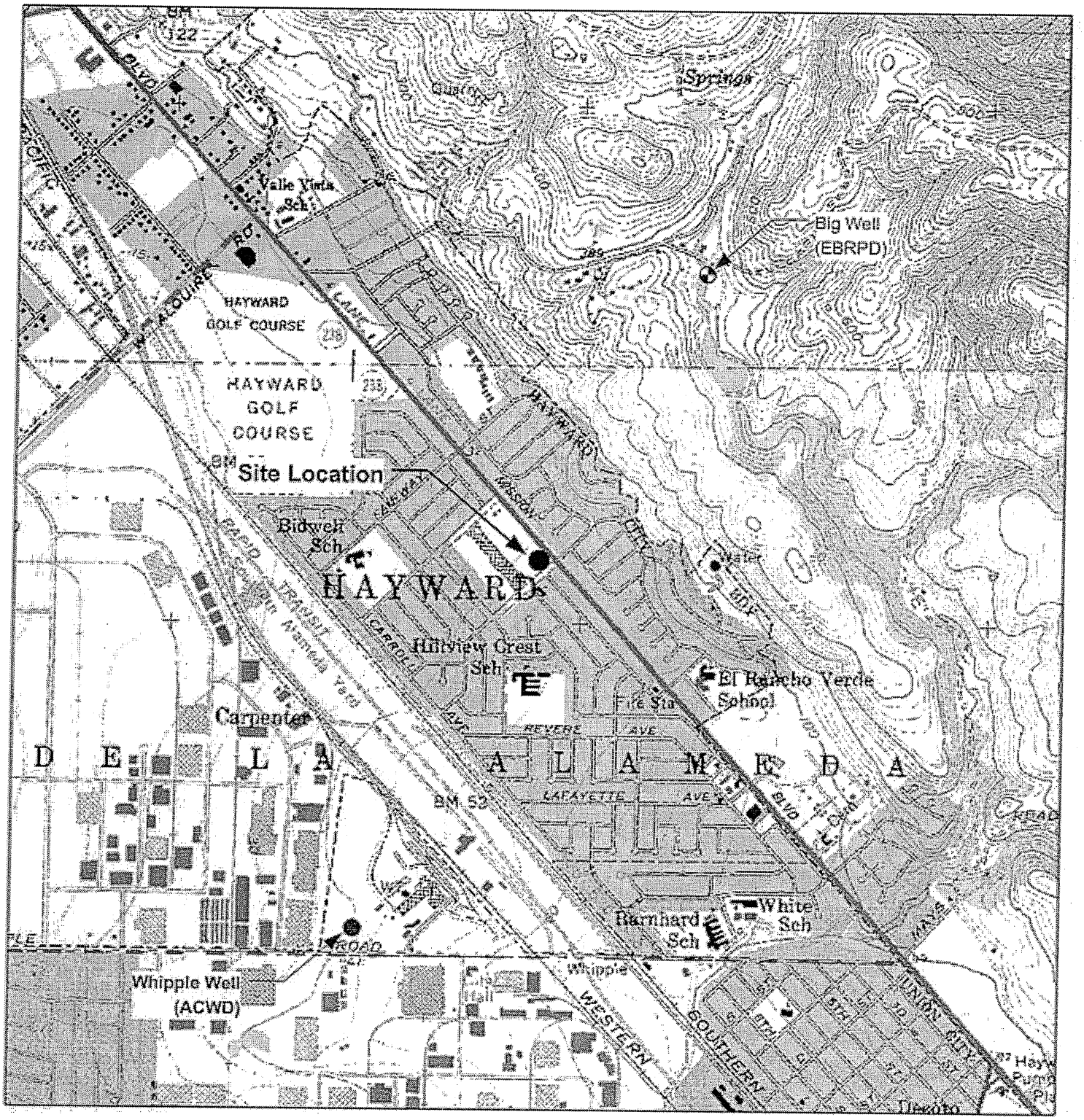
q = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

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.

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

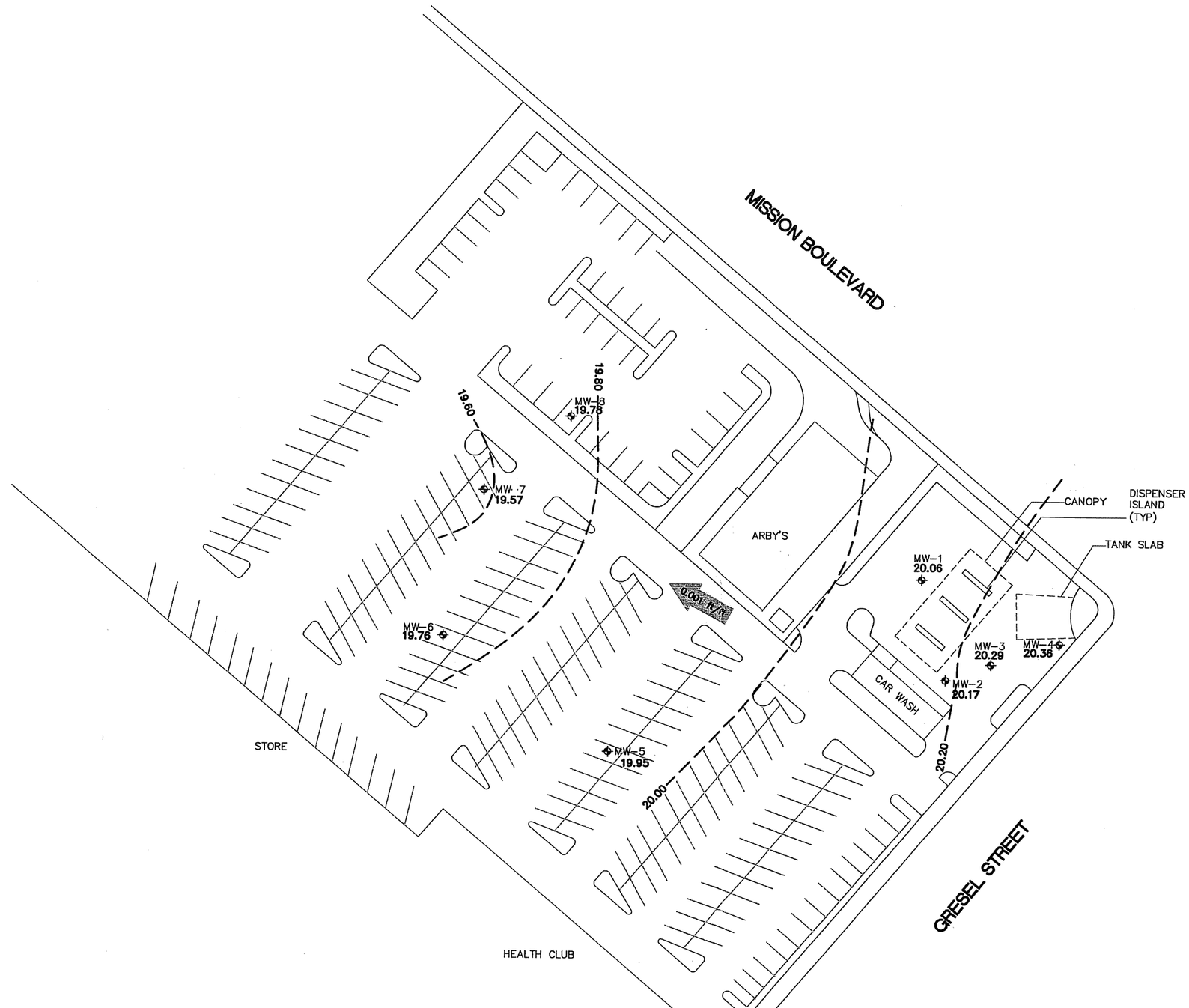
SITE LOCATION AND WELL SURVEY MAP

SHELL-BRANDED SERVICE STATION
31235 Mission Blvd.
Hayward, California

PROJECT NO. 9J012351X	DRAWN BY VF 10/24/03
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY

DELTA

PROJECT NUMBER	SJ312351X
APPROVED BY	
CHECKED BY	
DRAWN BY	ICD
	01/06/08



N
W E
S

LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
20.06	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
20.00	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=0.20 FEET
0.001 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

0 40 80
SCALE IN FEET

DELTA CONSULTANTS

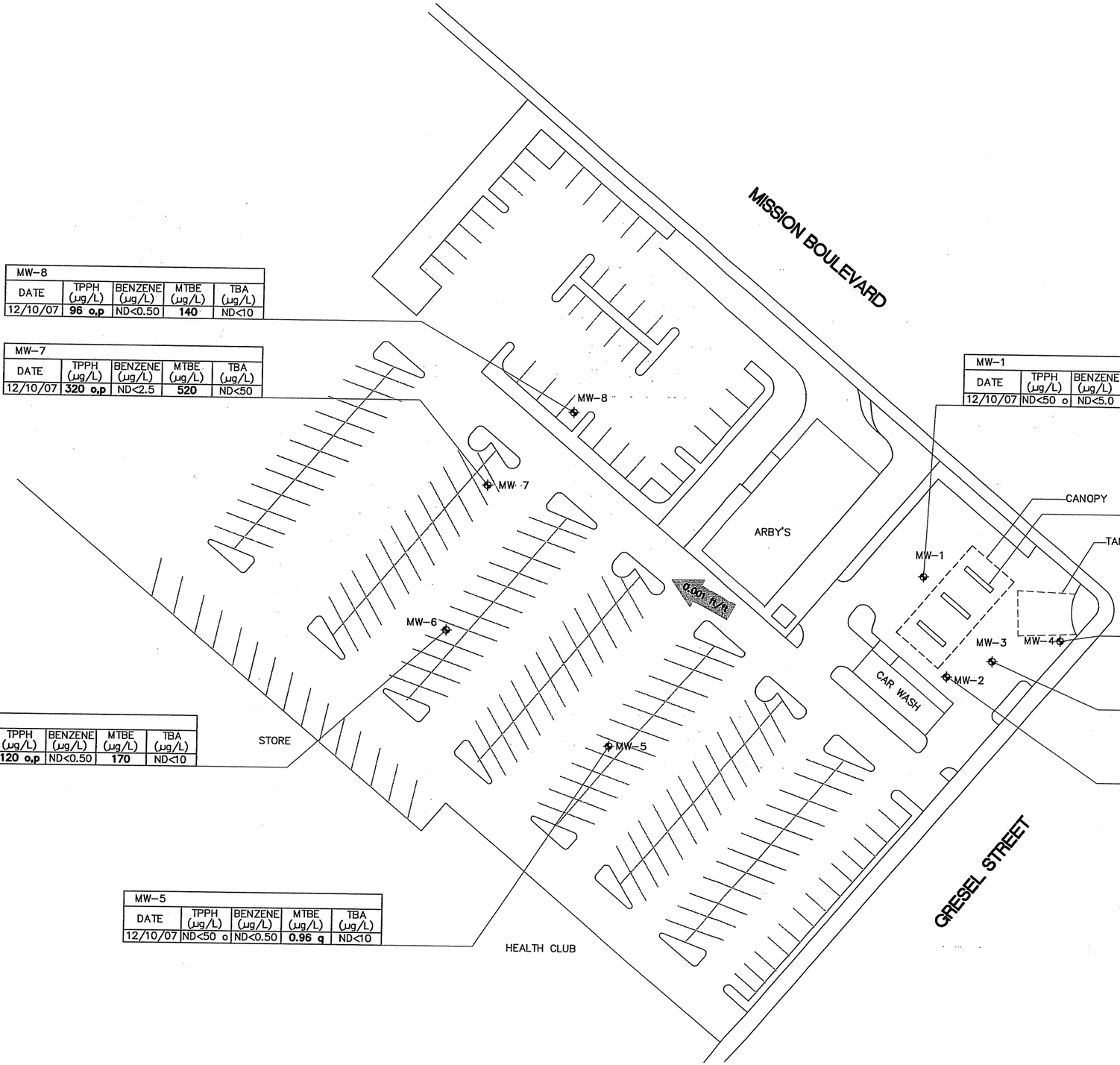
SHELL OIL PRODUCTS US
SHELL BRANDED SERVICE STATION
HAYWARD, CALIFORNIA

FIGURE 2

GROUNDWATER ELEVATION CONTOUR MAP
12/10/07
31235 MISSION BOULEVARD
HAYWARD, CALIFORNIA

FILENAME: SJ312351X_07Q4.DWG|FIG2_GWCONTOURS

PROJECT NUMBER	SJ312351X
APPROVED BY	
CHECKED BY	
DRAWN BY	ICD 01/06/08



MW-8				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
12/10/07	**96 o,p**	ND<0.50	**140**	ND<10

MW-7				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
12/10/07	**320 o,p**	ND<2.5	**520**	ND<50

MW-6				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
12/10/07	**120 o,p**	ND<0.50	**170**	ND<10

MW-5				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
12/10/07	ND<50 o	ND<0.50	**0.96 q**	ND<10

MW-1				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
12/10/07	ND<50 o	ND<5.0	**260**	**2,300**

MW-4				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
12/10/07	**150 o,p**	ND<0.50	**11**	**540**

MW-3				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
12/10/07	**2,200 o,p**	**0.62**	**23**	**840**

MW-2				
DATE	TPPH (µg/L)	BENZENE (µg/L)	MTBE (µg/L)	TBA (µg/L)
12/10/07	ND<50 o	ND<0.50	**0.62 q**	**28**

N
W E
S

LEGEND

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

0 40 80
SCALE IN FEET

DELTA CONSULTANTS

SHELL OIL PRODUCTS US
SHELL BRANDED SERVICE STATION
HAYWARD, CALIFORNIA

FIGURE 3
GROUNDWATER HYDROCARBON DISTRIBUTION MAP
12/10/07
31235 MISSION BOULEVARD
HAYWARD, CALIFORNIA

FILENAME: SJ312351X_07Q4.DWG|FIG3_HYDROCARBONS

APPENDIX A

FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 31235 Mission Blvd, Hayward Ca Date 12/10/07

Job Number 071210-M01 Technician M PIERCE 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	X								
MW-2	X								
MW-3	X								
MW-4	X								
MW-5	X								
MW-6	X		X						
MW-7	X								
MW-8	X								

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

Notes:

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 9-18-07

Site Address 31235 Mission / Hayward

Job Number 207918-14-3 Technician JS

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 MW 9/27 Initial/Date Notes

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address 3175 Mission, Hayward Date 9-18-07

Job Number 070978-JT-3 Technician JT 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: Tapped 2 of 2 Tabs																		
	Well box type / size: 12" Morrison Materials used:																		
MW-2																	1		
	Notes: Tapped 2 of 2 tabs																		
	Well box type / size: 6" Morrison Materials used:																		
MW-3							X										X		
	Notes: Tapped 2 of 2 tabs																		
	Well box type / size: 6" Morrison Materials used:																		
MW-9																	X		
	Notes: Tapped 2 of 2 tabs																		
	Well box type / size: 6" Morrison Materials used:																		
MW-5							X										X		X
	Notes: Tapped 2 of 2 tabs																		
	Well box type / size: 12" Emco Materials used:																		
MW-6							X										X		
	Notes: Tapped 2 of 2 tabs																		
	Well box type / size: 12" Emco Materials used:																		
MW-4							X		X									X	
	Notes: Tapped 2 of 2 tabs, Apron cracked Box Secure																		
	Well box type / size: 8" Emco Materials used:																		

Repair Data Sheet

Job Number 070918-SI-3

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)	Deficiency Logged on Repair Order	Deficiency Remains Uncorrected/Logged on Site Inspection Checklist	Partial Repair Completed/Outstanding Deficiency Logged on Repair Order	All Repairs Completed
MW-8							X													✓
Notes: Tapped 2 of 2 tabs 12" Emco																				
Notes:																				
Notes:																				
Notes:																				
Notes:																				
Notes:																				
Notes:																				

WELL GAUGING DATA

Project # 071210-MD1 Date 12/10/07 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	0821	2					22.13	32.59		
MW-2	0815	2					22.01	32.66		
MW-3	0824	2					21.95	32.51		
MW-4	0818	2					22.05	32.79		
MW-5	0829	2					20.71	29.88		
MW-6	0838	2					19.47	29.57		
MW-7	0842	2					19.93	29.93		
MW-8	0833	2					20.14	29.93	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 071210-MD1	Site: 31755 Mission Blvd Hayward Ca
Sampler: MD	Date: 12/10/07
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 32.59	Depth to Water (DTW): 22.13
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]: 24.22	

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 = 4.8 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0935	16.7	6.61	461	71000	1.6	Brown, Cloudy
0937	16.2	6.49	4506	71000	3.2	" "
0940	16.1	6.56	591	71000	4.8	" "
0943	16.7	6.47	538	71000	6.0	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 12/10/07 Sampling Time: 0951 Depth to Water: 22.02

Sample I.D.: MW-1 Laboratory: STL Other Cal Scienc

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 071210-MD1	Site: 31235 Mission Blvd, Hayward Ca
Sampler: MD	Date: 12/10/07
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 32.68	Depth to Water (DTW): 22.01
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]: 24.14	

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: _____

1.7 (Gals.) X	3	=	5.1 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
0905	16.7	7.40	441	>1000	1.7	Brown, Cloudy
0908	17.6	7.02	438	>1000	3.4	" "
0910	16.3	6.64	452	>1000	5.1	" "
0913	16.5	6.59	499	>1000	6.8	" "

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

Sampling Date: 12/10/07 Sampling Time: 0921 Depth to Water: 23.83

Sample I.D.: MW-2 Laboratory: STL Other Cal Scientific

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 071210-MD1	Site: 31235 Mission Blvd, Hayward, Ca
Sampler: MD	Date: 12/10/07
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 32.51	Depth to Water (DTW): 21.95
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]: 24.06	

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 = 4.8 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1005	18.8	6.57	551	>1000	1.6	grey, Cloudy
1007	19.7	6.46	539	>1000	3.2	" "
1010	19.9	6.50	551	714	4.8	" "
1014	20.0	6.47	524	999	6.4	" "

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

Sampling Date: 12/10/07 Sampling Time: 1027 Depth to Water: 22.39

Sample I.D.: MW-3 Laboratory: STL Other CalScience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 071210-MD1	Site: 31235 Mission Blvd, Hayward, Ca
Sampler: MD	Date: 12/10/07
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 32.79	Depth to Water (DTW): 22.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.20	

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:_____

1.7 (Gals.) X	3	=	5.1 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
1040	19.7	7.08	347	447	1.7	Brown, Cloudy
1043	19.7	6.62	340	589	3.4	" "
1046	19.4	6.69	348	71000	5.1	" "
1049	19.7	6.56	350	71000	6.8	" "

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

Sampling Date: 12/10/07 Sampling Time: 1101 Depth to Water: 23.62

Sample I.D.: MW-4 Laboratory: STL Other Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 071210-MD1	Site: 31235 Mission Blvd Hayward, CA
Sampler: MD	Date: 12/10/07
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 29.82	Depth to Water (DTW): 20.71
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]: 22.53	

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

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

1.5 (Gals.) X	3	=	4.5 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
1140	68.4	7.01	829	7/000	1.5	Brown, Cloudy
1142	66.8	6.70	831	7/000	3.0	" "
1145	67.9	6.91	827	7/000	9.5	" "
1148	66.2	6.73	822	7/000	6.0	" "

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 12/10/07 Sampling Time: 1157 Depth to Water: 21.27

Sample I.D.: MW-5 Laboratory: STL Other Cal Scientific

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 071210-MD1	Site: 3235 Mission Blvd, Hayward CA
Sampler: MD	Date: 12/10/07
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 29.57	Depth to Water (DTW): 19.47
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]: 21.49	

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	=	4.8 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1240	72.8	6.80	758	7/000	1.6	Brown, Cloudy
1242	72.2	6.62	760	7/000	3.2	" "
1244	71.8	6.75	756	7/000	4.8	" "
1246	72.0	6.61	762	7/000	6.4	" "

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

Sampling Date: 12/10/07 Sampling Time: 1259 Depth to Water: 20.82

Sample I.D.: MW-6 Laboratory: STL Other CalGreen

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See CoC

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 071210-MD1	Site: 3235 Mission Blvd, Hayward, CA
Sampler: MD	Date: 12/10/07
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 29.93	Depth to Water (DTW): 19.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.93	

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	=	4.8 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1318	69.3	6.92	636	>1000	1.6	Brown, Cloudy
1321	69.9	6.75	633	>1000	3.2	" "
1325	69.5	6.73	629	>1000	4.8	" "
1328	70.0	6.65	637	>1000	6.4	" "

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

Sampling Date: 12/10/07 Sampling Time: 1341 Depth to Water: 20.56

Sample I.D.: MW-7 Laboratory: STL Other Calscience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 071210-MD1	Site: 31235 Mission Blvd, Hayward, Ca
Sampler: MD	Date: 12/10/07
Well I.D.: MW-B	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 29.43	Depth to Water (DTW): 20.14
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]: 21.99	

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: ___

1.5 (Gals.) X	3	=	4.5 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
1212	65.7	7.01	681	7/000	1.5	Brown Cloudy
1219	66.7	6.77	675	7/000	3.0	" "
1216	66.7	6.82	665	7/000	4.5	" "
1219	67.1	6.69	669	7/000	6.0	" "

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Date: 12/10/07 Sampling Time: 1231 Depth to Water: 20.94

Sample I.D.: MW-B Laboratory: STL Other Cal Scientific

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

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

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

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

APPENDIX B

FIELD PROCEDURES

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

December 20, 2007

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

Fourth Quarter 2007 Groundwater Monitoring at
Shell-branded Service Station
31235 Mission Boulevard
Hayward, CA

Monitoring performed on December 10, 2007

Groundwater Monitoring Report **071210-MD-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/ks

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

cc: Rich Garlow
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.

December 19, 2007

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

Subject: **Calscience Work Order No.: 07-12-0982**
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 12/12/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

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

Sincerely,

Calscience Environmental
Laboratories, Inc.
Danielle Gonsman
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/12/07
1680 Rogers Avenue		Work Order No:	07-12-0982
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	EPA 8015B

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-12-0982-1-F	12/10/07	Aqueous	GC 23	12/13/07	12/14/07	071213B08

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	86	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	07-12-0982-2-F	12/10/07	Aqueous	GC 23	12/13/07	12/14/07	071213B08

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	82	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	07-12-0982-3-F	12/10/07	Aqueous	GC 23	12/13/07	12/14/07	071213B08

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	610	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	84	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	07-12-0982-4-F	12/10/07	Aqueous	GC 23	12/13/07	12/14/07	071213B08

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	64	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	75	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/12/07
1680 Rogers Avenue		Work Order No:	07-12-0982
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	EPA 8015B

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-12-0982-5-F	12/10/07	Aqueous	GC 23	12/13/07	12/14/07	071213B08

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	84	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-12-0982-6-F	12/10/07	Aqueous	GC 23	12/13/07	12/14/07	071213B08

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	83	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-7	07-12-0982-7-F	12/10/07	Aqueous	GC 23	12/13/07	12/14/07	071213B08

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	80	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-8	07-12-0982-8-F	12/10/07	Aqueous	GC 23	12/13/07	12/15/07	071213B08

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	84	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	12/12/07
1680 Rogers Avenue	Work Order No:	07-12-0982
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-211-142**	**N/A**	**Aqueous**	**GC 23**	**12/13/07**	**12/14/07**	**071213B08**

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:	12/12/07
1680 Rogers Avenue		Work Order No:	07-12-0982
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-12-0982-1-A	12/10/07	Aqueous	GC 25	12/12/07	12/12/07	071212B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-2	07-12-0982-2-A	12/10/07	Aqueous	GC 25	12/12/07	12/12/07	071212B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-3	07-12-0982-3-A	12/10/07	Aqueous	GC 25	12/12/07	12/13/07	071212B01

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.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	2200	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	152	38-134	2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-4	07-12-0982-4-A	12/10/07	Aqueous	GC 25	12/12/07	12/13/07	071212B01

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.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	150	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	80	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/12/07
1680 Rogers Avenue		Work Order No:	07-12-0982
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-12-0982-5-A	12/10/07	Aqueous	GC 25	12/12/07	12/13/07	071212B01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-6	07-12-0982-6-B	12/10/07	Aqueous	GC 1	12/13/07	12/14/07	071213B02

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.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	120	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-7	07-12-0982-7-B	12/10/07	Aqueous	GC 1	12/13/07	12/14/07	071213B02

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.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	320	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	103	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-8	07-12-0982-8-B	12/10/07	Aqueous	GC 1	12/13/07	12/14/07	071213B02

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.

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	96	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	38-134	

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

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Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/12/07
1680 Rogers Avenue		Work Order No:	07-12-0982
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: 31235 Mission Blvd., Hayward, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-436-1,252**	**N/A**	**Aqueous**	**GC 25**	**12/12/07**	**12/12/07**	**071212B01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	66	38-134	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-436-1,254**	**N/A**	**Aqueous**	**GC 1**	**12/13/07**	**12/13/07**	**071213B02**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	102	38-134	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/12/07
1680 Rogers Avenue		Work Order No:	07-12-0982
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: 31235 Mission Blvd., Hayward, CA			Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-1	07-12-0982-1-C	12/10/07	Aqueous	GC/MS Q	12/15/07	12/16/07	071215L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	5.0	1.4	10		o-Xylene	ND	10	1.7	10	
Ethylbenzene	ND	10	2.3	10		Methyl-t-Butyl Ether (MTBE)	260	10	2.6	10	
Toluene	ND	10	2.7	10		Tert-Butyl Alcohol (TBA)	2300	100	54	10	
p/m-Xylene	ND	10	5.4	10							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	123	74-140		1,2-Dichloroethane-d4	124	74-146	
Toluene-d8	94	88-112		1,4-Bromofluorobenzene	82	74-110	

MW-2	07-12-0982-2-C	12/10/07	Aqueous	GC/MS Q	12/15/07	12/16/07	071215L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		o-Xylene	ND	1.0	0.17	1	
Ethylbenzene	ND	1.0	0.23	1		Methyl-t-Butyl Ether (MTBE)	0.62	1.0	0.26	1	J
Toluene	ND	1.0	0.27	1		Tert-Butyl Alcohol (TBA)	28	10	5.4	1	
p/m-Xylene	ND	1.0	0.54	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	116	74-140		1,2-Dichloroethane-d4	117	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	83	74-110	

MW-3	07-12-0982-3-C	12/10/07	Aqueous	GC/MS Q	12/15/07	12/16/07	071215L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	0.62	0.50	0.14	1		o-Xylene	ND	1.0	0.17	1	
Ethylbenzene	17	1.0	0.23	1		Methyl-t-Butyl Ether (MTBE)	23	1.0	0.26	1	
Toluene	ND	1.0	0.27	1		Tert-Butyl Alcohol (TBA)	840	10	5.4	1	
p/m-Xylene	0.57	1.0	0.54	1	J						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	110	74-140		1,2-Dichloroethane-d4	110	74-146	
Toluene-d8	105	88-112		1,4-Bromofluorobenzene	94	74-110	

MW-4	07-12-0982-4-C	12/10/07	Aqueous	GC/MS Q	12/15/07	12/16/07	071215L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		o-Xylene	ND	1.0	0.17	1	
Ethylbenzene	ND	1.0	0.23	1		Methyl-t-Butyl Ether (MTBE)	11	1.0	0.26	1	
Toluene	ND	1.0	0.27	1		Tert-Butyl Alcohol (TBA)	540	10	5.4	1	
p/m-Xylene	ND	1.0	0.54	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	74-140		1,2-Dichloroethane-d4	121	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	82	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/12/07
1680 Rogers Avenue		Work Order No:	07-12-0982
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: 31235 Mission Blvd., Hayward, CA			Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
MW-5	07-12-0982-5-C	12/10/07	Aqueous	GC/MS Q	12/15/07	12/16/07	071215L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		o-Xylene	ND	1.0	0.17	1	
Ethylbenzene	ND	1.0	0.23	1		Methyl-t-Butyl Ether (MTBE)	0.96	1.0	0.26	1	J
Toluene	ND	1.0	0.27	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
p/m-Xylene	ND	1.0	0.54	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	74-140		1,2-Dichloroethane-d4	124	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	81	74-110	

MW-6	07-12-0982-6-C	12/10/07	Aqueous	GC/MS Q	12/15/07	12/16/07	071215L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		o-Xylene	ND	1.0	0.17	1	
Ethylbenzene	ND	1.0	0.23	1		Methyl-t-Butyl Ether (MTBE)	170	1.0	0.26	1	
Toluene	ND	1.0	0.27	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
p/m-Xylene	ND	1.0	0.54	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	74-140		1,2-Dichloroethane-d4	126	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	82	74-110	

MW-7	07-12-0982-7-C	12/10/07	Aqueous	GC/MS Q	12/15/07	12/16/07	071215L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	2.5	0.70	5		o-Xylene	ND	5.0	0.84	5	
Ethylbenzene	ND	5.0	1.1	5		Methyl-t-Butyl Ether (MTBE)	520	5.0	1.3	5	
Toluene	ND	5.0	1.4	5		Tert-Butyl Alcohol (TBA)	ND	50	27	5	
p/m-Xylene	ND	5.0	2.7	5							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	74-140		1,2-Dichloroethane-d4	128	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	82	74-110	

MW-8	07-12-0982-8-C	12/10/07	Aqueous	GC/MS Q	12/15/07	12/16/07	071215L03

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		o-Xylene	ND	1.0	0.17	1	
Ethylbenzene	ND	1.0	0.23	1		Methyl-t-Butyl Ether (MTBE)	140	1.0	0.26	1	
Toluene	ND	1.0	0.27	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
p/m-Xylene	ND	1.0	0.54	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	124	74-140		1,2-Dichloroethane-d4	130	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	79	74-110	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	12/12/07
1680 Rogers Avenue		Work Order No:	07-12-0982
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: 31235 Mission Blvd., Hayward, CA			Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-23,815**	**N/A**	**Aqueous**	**GC/MS Q**	**12/15/07**	**12/16/07**	**071215L03**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Benzene	ND	0.50	0.14	1		o-Xylene	ND	1.0	0.17	1	
Ethylbenzene	ND	1.0	0.23	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	
Toluene	ND	1.0	0.27	1		Tert-Butyl Alcohol (TBA)	ND	10	5.4	1	
p/m-Xylene	ND	1.0	0.54	1							

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	74-140		1,2-Dichloroethane-d4	118	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	83	74-110	

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.		Date Received:	12/12/07
1680 Rogers Avenue		Work Order No:	07-12-0982
San Jose, CA 95112-1105		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-12-0845-6	Aqueous	GC 25	12/12/07	12/13/07	071212S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	111	111	68-122	0	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ACCREDITED IN ACCORDANCE WITH NELAC

Blaine Tech Services, Inc.	Date Received:	12/12/07
1680 Rogers Avenue	Work Order No:	07-12-0982
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-12-1118-1	Aqueous	GC 1	12/13/07	12/13/07	071213S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	80	79	68-122	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc.	Date Received:	12/12/07
1680 Rogers Avenue	Work Order No:	07-12-0982
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	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 Q	12/15/07	12/16/07	071215S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	97	94	88-118	3	0-7	
Carbon Tetrachloride	88	85	67-145	3	0-11	
Chlorobenzene	99	98	88-118	1	0-7	
1,2-Dibromoethane	106	104	70-130	2	0-30	
1,2-Dichlorobenzene	107	104	86-116	3	0-8	
1,1-Dichloroethene	83	80	70-130	3	0-25	
Ethylbenzene	107	106	70-130	2	0-30	
Toluene	99	96	87-123	2	0-8	
Trichloroethene	95	94	79-127	1	0-10	
Vinyl Chloride	74	72	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	101	99	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	89	92	36-168	3	0-45	
Diisopropyl Ether (DIPE)	102	98	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	106	104	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	108	107	72-126	1	0-12	
Ethanol	86	84	53-149	3	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	07-12-0982
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
099-12-211-142	Aqueous	GC 23	12/13/07	12/14/07	071213B08

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	92	99	75-117	7	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ACCREDITED IN ACCORDANCE WITH nelac

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	07-12-0982
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-1,252	Aqueous	GC 25	12/12/07	12/12/07	071212B01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	93	95	78-120	2	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received:	N/A
Work Order No:	07-12-0982
Preparation:	EPA 5030B
Method:	EPA 8015B (M)

Project: 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-1,254	Aqueous	GC 1	12/13/07	12/13/07	071213B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	81	81	78-120	0	0-10	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 07-12-0982
Preparation: EPA 5030B
Method: EPA 8260B

Project: 31235 Mission Blvd., Hayward, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-23,815	Aqueous	GC/MS Q	12/15/07	12/15/07	071215L03

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	95	94	84-120	1	0-8	
Carbon Tetrachloride	85	86	63-147	1	0-10	
Chlorobenzene	96	96	89-119	0	0-7	
1,2-Dibromoethane	103	99	80-120	3	0-20	
1,2-Dichlorobenzene	105	104	89-119	1	0-9	
1,1-Dichloroethene	82	85	77-125	3	0-16	
Ethylbenzene	105	105	80-120	1	0-20	
Toluene	96	95	83-125	0	0-9	
Trichloroethene	95	94	89-119	1	0-8	
Vinyl Chloride	74	75	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	101	100	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	90	86	46-154	5	0-32	
Diisopropyl Ether (DIPE)	105	101	81-123	3	0-11	
Ethyl-t-Butyl Ether (ETBE)	115	109	74-122	6	0-12	
Tert-Amyl-Methyl Ether (TAME)	115	109	76-124	6	0-10	
Ethanol	84	79	60-138	7	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-12-0982

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD 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 with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☒ Calscience
- ☐ Other________

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Carol Campagna

- ☑ ENVIRONMENTAL SERVICES
- ☐ NETWORK DEV / FE
- ☐ COMPLIANCE
- ☐ BILL CONSULTANT
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 4 5 6 5 3 2

PO #:

SAP or CRMT #:

DATE: 12/10/07

PAGE: 1 of 1

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 Avenue, San Jose, CA 95112	
EDF DELIVERABLE TO (Name, Company, Office Location): Jon Suing, Delta, Monrovia Office	PHONE NO.: 626.256.6662
E-MAIL: jsuing@deltaenv.com	CONSULTANT PROJECT NO.: 071210-MD1
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): M PIERCE	LAB USE ONLY: 12-0982

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ________

SPECIAL INSTRUCTIONS OR NOTES:

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

RUN TPHd w/SILICA GEL CLEAN UP

CC Tom Hargett thargett@deltaenv.com and Rich Garlow rgarlow@deltaenv.com with final report

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)							FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
1	MW-1	12/10 2007	0951	W	7	X	X	X		X	X														
2	MW-2	↓	0921	↓	↓	X	X	X		X	X														
3	MW-3	↓	1027	↓	↓	X	X	X		X	X														
4	MW-4	↓	1101	↓	↓	X	X	X		X	X														
5	MW-5	↓	1157	↓	↓	X	X	X		X	X														
6	MW-6	↓	1259	↓	↓	X	X	X		X	X														
7	MW-7	↓	1341	↓	↓	X	X	X		X	X														
8	MW-8	↓	1231	↓	↓	X	X	X		X	X														

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature] (Sample Custodian)	12/10/07	1540
Shipped VIA GSO		12/11/07	1500
	[signature]	12/12/07	1040

05/02/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07-12-0982

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech DATE: 12/12/07

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

3.6 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: JP

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: JP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: JP

COMMENTS: