

Jakub, Barbara, Env. Health

From: Jakub, Barbara, Env. Health
Sent: Tuesday, September 13, 2011 10:53 AM
To: 'Schaefer, Peter'
Cc: denis.l.brown@shell.com; Cool, Aubrey; Project Email Hold
Subject: RE: RO2745-1601 Webster St., Alameda - requesting reduction of GWM parameters~COR-240467~

Peter,

Your request to reduce sample analysis for DIPE, ETBE and TAME is approved. However, we request that you continue analysis for ethanol in TBW-N as the station is an active service station. Also, I noted that the sample table provided did not contain EDB and EDC analysis for all wells. Please perform one complete round of analysis for ethylene dibromide (EDB) and 1,2-Dichlorethane (EDC) in all actively monitored wells before discontinuing EDB and EDC analysis.

Regards,

Barbara Jakub, P.G.
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Pky.
Alameda, CA 94502
Direct: 510-639-1287
Fax: 510-337-9335

PDF copies of case files can be downloaded at:

<http://www.acgov.org/aceh/lop/ust.htm>

From: Schaefer, Peter [<mailto:pschaefer@croworld.com>]
Sent: Monday, September 12, 2011 8:17 AM
To: Jakub, Barbara, Env. Health
Cc: denis.l.brown@shell.com; Cool, Aubrey; Project Email Hold
Subject: RO2745-1601 Webster St., Alameda - requesting reduction of GWM parameters~COR-240467~

Barbara,

On behalf of Shell Oil Products US, I would like to request that we discontinue semiannual analysis of groundwater samples from all wells for di-isopropyl ether, ethyl tertiary-butyl ether, and tertiary-amyl methyl ether (TAME) and, in addition, analysis of groundwater samples from well TBW-N for 1,2-dichloroethane, ethylene dibromide, and ethanol. Of these parameters, only TAME has ever been detected in site wells, and it hasn't been detected since 2006.

Regards,

Peter Schaefer, CEG, CHG

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TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>1,2- DCA (µg/L)</i>	<i>EDB (µg/L)</i>	<i>Ethanol (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft)</i>	<i>SPH (ft)</i>	<i>GW Elevation (ft MSL)</i>
S-2	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.73	7.60	---	12.13
S-2	11/22/2005	996	0.630	0.500	0.500	3.10	406	18.0	<0.500	<0.500	0.570	---	---	---	19.73	7.70	---	12.03
S-2	02/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	2.0	<5.0	<0.50	<0.50	<0.50	---	---	---	19.73	6.29	---	13.44
S-2	05/30/2006	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.73	6.14	---	13.59
S-2	08/30/2006	420	<0.500	<0.500	<0.500	<0.500	4.42	<10.0	<0.500	<0.500	<0.500	---	---	---	19.73	7.18	---	12.55
S-2	11/22/2006	110	<0.50	<0.50	<0.50	<1.0	62	<5.0	<2.0	<2.0	<2.0	---	---	---	19.73	7.55	---	12.18
S-2	02/23/2007	140	<0.50	<0.50	<0.50	<1.0	110	<5.0	<2.0	<2.0	<2.0	---	---	---	19.73	6.77	---	12.96
S-2	05/18/2007	<50 h	<0.50	<1.0	<1.0	<1.0	18	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.02	---	12.71
S-2	08/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	40	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.65	---	12.08
S-2	11/09/2007	130 h,i	<0.50	<1.0	<1.0	<1.0	190	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.87	---	11.86
S-2	02/08/2008	83 h,i	<1.0	<2.0	<2.0	<2.0	180	<20	<4.0	<4.0	<4.0	---	---	---	19.73	6.52	---	13.21
S-2	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.30	---	12.43
S-2	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	7.1	<10	<2.0	<2.0	<2.0	---	---	---	19.73	8.38	---	11.35
S-2	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	32	<10	<2.0	<2.0	<2.0	---	---	---	19.73	9.13	---	10.60
S-2	02/27/2009	90	<0.50	<1.0	<1.0	<1.0	85	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.05	---	12.68
S-2	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	8.0	<10	<2.0	<2.0	<2.0	---	---	---	19.73	6.93	---	12.80
S-2	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	17	<10	<2.0	<2.0	<2.0	---	---	---	19.73	8.20	---	11.53
S-2	02/05/2010	68	<0.50	<1.0	<1.0	<1.0	52	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.12	---	12.61
S-2	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	1.7	<10	<2.0	<2.0	<2.0	---	---	---	19.73	7.59	---	12.14
S-2	02/14/2011	<50	2.6	3.5	1.2	5.7	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.73	7.16	---	12.57
S-2	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.73	7.20	---	12.53
S-3	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.14	7.01	---	12.13
S-3	11/22/2005	3,900	<0.500	<0.500	<0.500	0.900	3,730	26.0	<0.500	<0.500	3.44	---	---	---	19.14	7.15	---	11.99
S-3	02/24/2006	580 b	<0.50	<0.50	<0.50	<0.50	360	<5.0	<0.50	<0.50	<0.50	---	---	---	19.14	5.95	---	13.19
S-3	05/30/2006	<50.0	<0.500	<0.500	<0.500	0.510	52.2	<10.0	<0.500	<0.500	<0.500	---	---	---	19.14	5.85	---	13.29
S-3	08/30/2006	2,910	<0.500	<0.500	<0.500	<0.500	882	<10.0	<0.500	<0.500	<0.500	---	---	---	19.14	6.71	---	12.43
S-3	11/22/2006	240	<0.50	<0.50	<0.50	<1.0	150	30	<2.0	<2.0	<2.0	---	---	---	19.14	7.05	---	12.09
S-3	02/23/2007	78	<0.50	<0.50	<0.50	<1.0	78	5.4	<2.0	<2.0	<2.0	---	---	---	19.14	6.30	---	12.84
S-3	05/18/2007	120 h,i	<0.50	<1.0	<1.0	<1.0	150	73	<2.0	<2.0	<2.0	---	---	---	19.14	6.58	---	12.56
S-3	08/10/2007	<50 h	<1.0	<2.0	<2.0	<2.0	200	21	<4.0	<4.0	<4.0	---	---	---	19.14	7.09	---	12.05
S-3	11/09/2007	69 h,i	<0.50	<1.0	<1.0	<1.0	100	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.28	---	11.86

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>1,2- DCA (µg/L)</i>	<i>EDB (µg/L)</i>	<i>Ethanol (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft)</i>	<i>SPH (ft)</i>	<i>GW Elevation (ft MSL)</i>
S-3	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	8.5	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.06	---	13.08
S-3	05/16/2008	71	<0.50	<1.0	<1.0	<1.0	100	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.84	---	12.30
S-3	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	9.0	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.83	---	11.31
S-3	11/26/2008	<50	0.53	<1.0	<1.0	1.5	12	<10	<2.0	<2.0	<2.0	---	---	---	19.14	8.70	---	10.44
S-3	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	3.2	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.97	---	12.17
S-3	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.41	---	12.73
S-3	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	6.1	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.60	---	11.54
S-3	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	1.8	<10	<2.0	<2.0	<2.0	---	---	---	19.14	6.63	---	12.51
S-3	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	5.4	<10	<2.0	<2.0	<2.0	---	---	---	19.14	7.05	---	12.09
S-3	02/14/2011	<50	1.7	2.6	0.95	4.6	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.14	6.71	---	12.43
S-3	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.14	6.75	---	12.39
S-4	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	18.16	6.00	---	12.16
S-4	11/22/2005	4,570	<0.500	<0.500	<0.500	0.660	3,450	26.0	<0.500	<0.500	3.57	---	---	---	18.16	6.10	---	12.06
S-4	02/24/2006	2,200 b	<0.50	<0.50	<0.50	<0.50	1,400	13 c	<0.50	<0.50	1.4	---	---	---	18.16	5.09	---	13.07
S-4	05/30/2006	1,100	<0.500	<0.500	<0.500	<0.500	1,060	87.5	<0.500	<0.500	1.04	---	---	---	18.16	5.00	---	13.16
S-4	08/30/2006	3,170	<0.500	<0.500	<0.500	<0.500	1,000	120	<0.500	<0.500	0.850	---	---	---	18.16	5.81	---	12.35
S-4	11/22/2006	520	<0.50	<0.50	<0.50	<1.0	480	5.2	<2.0	<2.0	<2.0	---	---	---	18.16	5.93	---	12.23
S-4	02/23/2007	180	<0.50	<0.50	<0.50	<1.0	130	9.6	<2.0	<2.0	<2.0	---	---	---	18.16	5.40	---	12.76
S-4	05/18/2007	220 h,i	<2.5	<5.0	<5.0	2.5 j	420	<50	<10	<10	<10	---	---	---	18.16	5.62	---	12.54
S-4	08/10/2007	98 h,i	<2.5	<5.0	<5.0	<5.0	540	29 j	<10	<10	<10	---	---	---	18.16	6.00	---	12.16
S-4	11/09/2007	190 h,i	<2.5	<5.0	<5.0	<5.0	350	<50	<10	<10	<10	---	---	---	18.16	6.20	---	11.96
S-4	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	13	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.47	---	12.69
S-4	05/16/2008	87	<0.50	<1.0	<1.0	<1.0	120	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.00	---	12.16
S-4	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	42	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.85	---	11.31
S-4	11/26/2008	140	<0.50	<1.0	<1.0	<1.0	140	<10	<2.0	<2.0	<2.0	---	---	---	18.16	7.62	---	10.54
S-4	02/27/2009	56	<0.50	<1.0	<1.0	<1.0	43	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.35	---	12.81
S-4	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	12	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.40	---	12.76
S-4	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	6.7	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.55	---	11.61
S-4	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	4.3	<10	<2.0	<2.0	<2.0	---	---	---	18.16	5.62	---	12.54
S-4	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	10	<10	<2.0	<2.0	<2.0	---	---	---	18.16	6.09	---	12.07
S-4	02/14/2011	<50	1.3	2.2	0.91	4.4	1.6	<10	<1.0	<1.0	<1.0	---	---	---	18.16	5.80	---	12.36

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>1,2- DCA (µg/L)</i>	<i>EDB (µg/L)</i>	<i>Ethanol (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft)</i>	<i>SPH (ft)</i>	<i>GW Elevation (ft MSL)</i>
S-4	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	18.16	5.79	---	12.37
S-4B	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	18.78	6.14	---	12.64
S-4B	08/30/2006	3,630	<0.500	<0.500	5.32	<0.500	1,130	643	<0.500	<0.500	1.47	---	---	---	18.78	6.32	---	12.46
S-4B	11/22/2006	620	<0.50	<0.50	0.66	<1.0	580	680	<2.0	<2.0	<2.0	---	---	---	18.78	6.46	---	12.32
S-4B	02/23/2007	230	<1.0	<1.0	<1.0	<2.0	190	450	<4.0	<4.0	<4.0	---	---	---	18.78	6.64	---	12.14
S-4B	05/18/2007	200 h	<0.50	<1.0	<1.0	<1.0	130	360	<2.0	<2.0	<2.0	---	---	---	18.78	6.19	---	12.59
S-4B	08/10/2007	150 h	0.47 j	<1.0	<1.0	<1.0	67	230	<2.0	<2.0	<2.0	---	---	---	18.78	6.48	---	12.30
S-4B	11/09/2007	<50 h	<0.50	<1.0	<1.0	<1.0	32	67	<2.0	<2.0	<2.0	---	---	---	18.78	6.59	---	12.19
S-4B	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	5.3	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.12	---	12.66
S-4B	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	2.2	15	<2.0	<2.0	<2.0	---	---	---	18.78	6.45	---	12.33
S-4B	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.90	---	11.88
S-4B	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	2.5	<10	<2.0	<2.0	<2.0	---	---	---	18.78	8.19	---	10.59
S-4B	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	1.4	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.03	---	12.75
S-4B	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.01	---	12.77
S-4B	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	3.7	<10	<2.0	<2.0	<2.0	---	---	---	18.78	6.90	---	11.88
S-4B	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	2.0	<10	<2.0	<2.0	<2.0	---	---	---	18.78	7.23	---	11.55
S-4B	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	1.2	25	<2.0	<2.0	<2.0	---	---	---	18.78	6.64	---	12.14
S-4B	02/14/2011	<50	1.3	2.1	0.82	3.9	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	18.78	6.70	---	12.08
S-4B	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	1.1	22	<1.0	<1.0	<1.0	---	---	---	18.78	7.13	---	11.65
S-5	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	18.68	6.33	---	12.35
S-5	11/22/2005	1,010	0.900	<0.500	1.79	4.91	302	397	<0.500	<0.500	<0.500	---	---	---	18.68	6.44	---	12.24
S-5	02/24/2006	<50 b	<0.50	<0.50	<0.50	<0.50	19	<5.0	<0.50	<0.50	<0.50	---	---	---	18.68	5.44	---	13.24
S-5	05/30/2006	2,000	4.13	0.670	<0.500	3.28	143	<10.0	<0.500	<0.500	<0.500	---	---	---	18.68	5.33	---	13.35
S-5	08/30/2006	1,380	<0.500	<0.500	1.43	<0.500	211	106	<0.500	<0.500	<0.500	---	---	---	18.68	6.16	---	12.52
S-5	11/22/2006	82	<0.50	<0.50	<0.50	<1.0	28	13	<2.0	<2.0	<2.0	---	---	---	18.68	6.28	---	12.40
S-5	02/23/2007	<50	<0.50	<0.50	<0.50	<1.0	1.2	<5.0	<2.0	<2.0	<2.0	---	---	---	18.68	5.68	---	13.00
S-5	05/18/2007	<50 h,i	<0.50	<1.0	<1.0	<1.0	2.6	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.91	---	12.77
S-5	08/10/2007	<50 h	<0.50	<1.0	<1.0	<1.0	1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.36	---	12.32
S-5	11/09/2007	<50 h	<0.50	<1.0	<1.0	<1.0	<10	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.47	---	12.21
S-5	02/08/2008	<50 h	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.52	---	13.16

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>1,2- DCA (µg/L)</i>	<i>EDB (µg/L)</i>	<i>Ethanol (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft)</i>	<i>SPH (ft)</i>	<i>GW Elevation (ft MSL)</i>
S-5	05/16/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.22	---	12.46
S-5	08/15/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	7.26	---	11.42
S-5	11/26/2008	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	8.03	---	10.65
S-5	02/27/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.83	---	12.85
S-5	05/28/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	5.73	---	12.95
S-5	09/14/2009	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.95	---	11.73
S-5	02/05/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.01	---	12.67
S-5	08/03/2010	<50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	18.68	6.46	---	12.22
S-5	02/14/2011	<50	3.9	3.8	1.2	5.3	1.8	<10	<1.0	<1.0	<1.0	---	---	---	18.68	6.20	---	12.48
S-5	08/04/2011	<50	<0.50	<0.50	<0.50	<1.0	1.8	<10	<1.0	<1.0	<1.0	---	---	---	18.68	6.15	---	12.53
S-6	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.32	6.36	---	12.96
S-6	11/22/2005	15,800	5.14	0.690	32.1	934	<0.500	14.2	<0.500	<0.500	<0.500	---	---	---	19.32	6.53	---	12.79
S-6	01/19/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	19.32	5.50	---	13.82
S-6	02/24/2006	7,900 b	4.4	<1.5	260	380	<1.5	<7.0	<1.5	<1.5	<1.5	---	---	---	19.32	5.76	---	13.56
S-6	05/30/2006	4,170	4.98	<0.500	76.6	44.2	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.32	5.68	---	13.64
S-6	08/30/2006	16,400	10.7	<0.500	353	292	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.32	6.38	---	12.94
S-6	11/22/2006	6,900	7.7	<2.5	250	450	<2.5	<25	<10	<10	<10	---	---	---	19.32	6.62	---	12.70
S-6	02/23/2007	7,900	4.4	<2.5	400	940	<2.5	<25	<10	<10	<10	---	---	---	19.32	6.06	---	13.26
S-6	05/18/2007	2,600 h	3.1	<1.0	85	147.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.12	---	13.20
S-6	08/10/2007	3,100 h	3.5	0.28 j	110	202	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.60	---	12.72
S-6	11/09/2007	3,700 h	2.1	0.34 j	160	335	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.80	---	12.52
S-6	02/08/2008	2,600 h	2.7	<1.0	72	156.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.11	---	13.21
S-6	05/16/2008	350	<0.50	<1.0	8.4	5.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.60	---	12.72
S-6	08/15/2008	3,600	0.99	<1.0	100	164.9	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	7.70	---	11.62
S-6	11/26/2008	1,500	2.9	<1.0	13	3.1	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	8.41	---	10.91
S-6	02/27/2009	2,800	4.3	<1.0	17	23	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.22	---	13.10
S-6	05/28/2009	570	0.74	<1.0	3.1	1.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.10	---	13.22
S-6	09/14/2009	440	0.55	<1.0	1.5	2.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	7.43	---	11.89
S-6	02/05/2010	2,200	1.7	<1.0	5.2	8.3	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.34	---	12.98
S-6	08/03/2010	340	<0.50	<1.0	<1.0	1.0	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.32	6.85	---	12.47
S-6	02/14/2011	590	1.0	1.0	1.4	3.7	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.32	6.50	---	12.82

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>1,2- DCA (µg/L)</i>	<i>EDB (µg/L)</i>	<i>Ethanol (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft)</i>	<i>SPH (ft)</i>	<i>GW Elevation (ft MSL)</i>
S-6	08/04/2011	820	1.2	<0.50	1.7	1.2	<1.0	<10	<1.0	<1.0	<1.0	---	---	---	19.32	6.52	---	12.80
S-7	11/14/2005	---	---	---	---	---	---	---	---	---	---	---	---	---	19.44	6.76	---	12.68
S-7	11/22/2005	51,100	2,680	2,980	969	6,360	1.49	53.3	<0.500	<0.500	<0.500	---	---	---	19.44	6.88	---	12.56
S-7	02/24/2006	22,000 b/25,000 d	1,700	1,200	1,200	2,800	<2.5	58	<2.5	<2.5	<2.5	---	---	---	19.44	5.73	---	13.71
S-7	05/30/2006	35,600	1,720	641	1,600	3,630	2.83	<10.0	<0.500	<0.500	<0.500	---	---	---	19.44	5.61	---	13.83
S-7	08/30/2006	83,900	5,060	62.5	1,640	4,010	2.38	43.4	<0.500	<0.500	<0.500	---	---	---	19.44	6.43	---	13.01
S-7	11/22/2006	13,000	4,300	27	710	1,900	<2.5	54	<10	<10	<10	---	---	---	19.44	6.68	---	12.76
S-7	02/23/2007	15,000	2,000	43	1,100	3,300	<12	<120	<50	<50	<50	---	---	---	19.44	5.82	---	13.62
S-7	05/18/2007	6,100 h	3,900	22 j	520	2,010	<50	<500	<100	<100	<100	---	---	---	19.44	6.20	---	13.24
S-7	08/10/2007	14,000 h	4,900	19 j	670	2,046 j	<50	<500	<100	<100	<100	---	---	---	19.44	6.74	---	12.70
S-7	11/09/2007	16,000 h	4,400	21 j	550	2,052	<50	<500	<100	<100	<100	---	---	---	19.44	6.93	---	12.51
S-7	02/08/2008	2,400 h	160	<2.0	70	160	<2.0	<20	<4.0	<4.0	<4.0	---	---	---	19.44	6.23	---	13.21
S-7	05/16/2008	6,200	1,200	21	320	736.9	<2.0	<20	<4.0	<4.0	<4.0	---	---	---	19.44	6.62	---	12.82
S-7	08/15/2008	15,000	4,500	19	450	1,300	<10	<100	<20	<20	<20	---	---	---	19.44	7.81	---	11.63
S-7	11/26/2008	9,300	3,200	<25	77	250	<25	<250	<50	<50	<50	---	---	---	19.44	8.53	---	10.91
S-7	02/27/2009	3,900	900	<25	49	160	<25	<250	<50	<50	<50	---	---	---	19.44	6.27	---	13.17
S-7	05/28/2009	7,100	1,200	<10	81	600	<10	<100	<20	<20	<20	---	---	---	19.44	6.18	---	13.26
S-7	09/14/2009	11,000	4,000	19	73	66	<10	<100	<20	<20	<20	---	---	---	19.44	7.58	---	11.86
S-7	02/05/2010	4,700	1,200	<10	33	17	<10	<100	<20	<20	<20	---	---	---	19.44	6.36	---	13.08
S-7	08/03/2010	7,600	2,600	14	15	10	<10	<100	<20	<20	<20	---	---	---	19.44	6.90	---	12.54
S-7	02/14/2011	2,200	800	<10	<10	<20	<20	<200	<20	<20	<20	---	---	---	19.44	6.53	---	12.91
S-7	08/04/2011	4,600	1,200	16	<10	<20	<20	<200	<20	<20	<20	---	---	---	19.44	6.53	---	12.91
S-8	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	20.11	7.02	---	13.09
S-8	08/30/2006	90,600	5,150	28.2	3,230	4,450	4.30	<10.0	<0.500	<0.500	<0.500	---	---	---	20.11	7.19	---	12.92
S-8	11/22/2006	41,000	4,900	58	3,300	7,200	2.6	<25	<10	<10	<10	---	---	---	20.11	7.48	---	12.63
S-8	02/23/2007	28,000	2,900	28	2,900	4,900	<25	<250	<100	<100	<100	---	---	---	20.11	6.73	---	13.38
S-8	05/18/2007	24,000 h	4,400	33 j	3,800	4,470	<50	<500	<100	<100	<100	---	---	---	20.11	6.98	---	13.13
S-8	08/10/2007	22,000 h	5,000	30 j	3,100	3,660	<50	<500	<100	<100	<100	---	---	---	20.11	7.57	---	12.54
S-8	11/09/2007	22,000 h	4,600	24 j	3,000	2,770	<50	<500	<100	<100	<100	---	---	---	20.11	7.80	---	12.31
S-8	02/08/2008	11,000 h	5,900	<50	410	310	<50	<500	<100	<100	<100	---	---	---	20.11	6.55	---	13.56

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>1,2- DCA (µg/L)</i>	<i>EDB (µg/L)</i>	<i>Ethanol (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft)</i>	<i>SPH (ft)</i>	<i>GW Elevation (ft MSL)</i>
S-8	05/16/2008	20,000	1,600	32	2,300	2,136	<20	<200	<40	<40	<40	---	---	---	20.11	7.30	---	12.81
S-8	08/15/2008	26,000	2,400	20	4,900	2,432	<20	<200	<40	<40	<40	---	---	---	20.11	8.60	---	11.51
S-8	11/26/2008	10,000	890	6.6	790	302	<5.0	<50	<10	<10	<10	---	---	---	20.11	9.20	---	10.91
S-8	02/27/2009	770	30	<1.0	9.9	6.0	<1.0	12	<2.0	<2.0	<2.0	---	---	---	20.11	7.04	---	13.07
S-8	05/28/2009	5,800	620	3.1	390	380	<1.0	40	<2.0	<2.0	<2.0	---	---	---	20.11	6.91	---	13.20
S-8	09/14/2009	7,700	1,600	<10	110	750	<10	<100	<20	<20	<20	---	---	---	20.11	8.32	---	11.79
S-8	02/05/2010	10,000	2,000	<10	150	260	<10	<100	<20	<20	<20	---	---	---	20.11	7.08	---	13.03
S-8	08/03/2010	12,000	2,000	<20	47	82	<20	<200	<40	<40	<40	---	---	---	20.11	7.64	---	12.47
S-8	02/14/2011	4,900	960	<10	89	78	<20	<200	<20	<20	<20	---	---	---	20.11	7.20	---	12.91
S-8	08/04/2011	7,200	830	<5.0	26	13	<10	<100	<10	<10	<10	---	---	---	20.11	7.24	---	12.87
S-9	08/21/2006	---	---	---	---	---	---	---	---	---	---	---	---	---	19.60	6.93	---	12.67
S-9	08/30/2006	162,000	3,620	5,040	3,810	22,500	<0.500	<10.0	<0.500	<0.500	<0.500	---	---	---	19.60	6.52	---	13.08
S-9	11/22/2006	47,000	2,100	840	3,000	12,000	<2.5	<25	<10	<10	<10	---	---	---	19.60	6.78	---	12.82
S-9	02/23/2007	18,000	890	120	1,800	3,600	<12	<120	<50	<50	<50	---	---	---	19.60	6.13	---	13.47
S-9	05/18/2007	22,000 h	1,300	630	2,400	7,300	<50	<500	<100	<100	<100	---	---	---	19.60	6.35	---	13.25
S-9	08/10/2007	36,000 h	2,600	920	4,200	14,900	<50	<500	<100	<100	<100	---	---	---	19.60	6.86	---	12.74
S-9	11/09/2007	34,000 h	2,100	320	3,700	12,000	<50	<500	<100	<100	<100	---	---	---	19.60	7.09	---	12.51
S-9	02/08/2008	7,400 h	410	51	1,100	1,620	<10	<100	<20	<20	<20	---	---	---	19.60	6.00	---	13.60
S-9	05/16/2008	19,000	910	230	1,600	4,200	<10	<100	<20	<20	<20	---	---	---	19.60	6.67	---	12.93
S-9	08/15/2008	65,000	2,600	540	5,200	19,000	<10	<100	<20	<20	<20	---	---	---	19.60	7.93	---	11.67
S-9	11/26/2008	18,000	910	<100	2,000	3,340	<100	<1,000	<200	<200	<200	---	---	---	19.60	8.60	---	11.00
S-9	02/27/2009	1,000	55	2.3	100	61	<1.0	<10	<2.0	<2.0	<2.0	---	---	---	19.60	6.35	---	13.25
S-9	05/28/2009	9,700	410	120	810	1,400	<10	<100	<20	<20	<20	---	---	---	19.60	6.22	---	13.38
S-9	09/14/2009	24,000	960	120	2,200	6,500	<5.0	<50	<10	<10	<10	---	---	---	19.60	7.73	---	11.87
S-9	02/05/2010	4,900	310	6.2	180	240	<5.0	<50	<10	<10	<10	---	---	---	19.60	6.51	---	13.09
S-9	08/03/2010	17,000	940	25	500	2,800	<2.0	29	<4.0	<4.0	<4.0	---	---	---	19.60	7.02	---	12.58
S-9	02/14/2011	1,500	190	3.6	11	38	<4.0	<40	<4.0	<4.0	<4.0	---	---	---	19.60	6.60	---	13.00
S-9	08/04/2011	5,300	370	18	53	370	<5.0	<50	<5.0	<5.0	<5.0	---	---	---	19.60	6.62	---	12.98
TBW-E	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.31	---	---
TBW-E	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.01	---	---

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>1,2- DCA (µg/L)</i>	<i>EDB (µg/L)</i>	<i>Ethanol (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft)</i>	<i>SPH (ft)</i>	<i>GW Elevation (ft MSL)</i>
TBW-E	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.32	---	---
TBW-E	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.55	---	---
TBW-E	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.95	---	---
TBW-E	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.47	---	---
TBW-N	11/23/2004	83,000	640	27,000	1,700	20,000	2,300	1,300	<400	<400	<400	<100	<100	<10,000	---	5.64	---	---
TBW-N	12/01/2004	160,000	700	31,000	2,300	24,000	2,900	1,200	<400	<400	<400	<100	<100	<10,000	---	6.35	---	---
TBW-N	12/07/2004	130,000	590	29,000	2,300	24,000	2,700	1,300	<400	<400	<400	<100	<100	<10,000	---	5.65	---	---
TBW-N	12/15/2004	120,000	420	26,000	2,000	22,000	3,300	<1,000	<400	<400	<400	<100	<100	<10,000	---	5.85	---	---
TBW-N	12/23/2004	100,000	220	23,000	1,900	20,000	1,900	<1,000	<400	<400	<400	<100	<100	<10,000	---	5.30	---	---
TBW-N	12/27/2004	110,000	470	26,000	2,300	22,000	1,800	<1,000	<400	<400	<400	<100	<100	<10,000	---	7.80	---	---
TBW-N	01/17/2005	86,000	330	22,000	2,200	21,000	1,600	1,600	<400	<400	<400	<100	<100	<10,000	---	6.59	---	---
TBW-N	02/04/2005	97,000	290	23,000	1,800	20,000	1,900	<1,000	<400	<400	<400	<100	<100	<10,000	---	4.50	---	---
TBW-N	03/02/2005	94,000	360	24,000	2,000	19,000	1,200	<1,000	<400	<400	<400	<100	<100	<10,000	---	4.11	---	---
TBW-N	04/12/2005	27,000	130	9,300	1,100	8,700	1,400	390	<100	<100	<20	<25	<25	<2,500	---	4.08	---	---
TBW-N	05/13/2005	42,000	130	8,700	1,500	12,000	1,400	440	<100	<100	<100	<25	<25	<2,500	---	4.45	---	---
TBW-N	06/10/2005	46,000	63	5,500	1,300	11,000	500	<250	<100	<100	<100	<25	<25	<2,500	---	4.97	---	---
TBW-N	07/15/2005	48,000	88	8,400	1,300	9,500	660	310	<100	<100	<100	<25	<25	<2,500	---	5.18	---	---
TBW-N	08/17/2005 a	36,000	85	8,500	1,200	11,000	510	<500	<200	<200	<200	<50	<50	<5,000	18.08	5.28	---	12.80
TBW-N	09/15/2005	20,000	59	2,400	730	9,300	600	500	<40	<40	<40	---	---	<1,000	18.08	5.92	---	12.16
TBW-N	10/17/2005	59,000	58	4,900	1,200	16,000	490	<250	<100	<100	<100	<25	<25	<2,500	18.08	5.96	---	12.12
TBW-N	11/22/2005	105,000	41.3	8,750	1,550	18,300	443	248	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.82	---	12.26
TBW-N	12/09/2005	65,900	43.4	5,110	1,110	13,500	493	259	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.60	---	12.48
TBW-N	01/05/2006	80,100	33.8	4,910	1,620	19,400	410	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.44	---	13.64
TBW-N	02/24/2006	56,000 b/60,000 d	15	2,700	1,000	12,000	270	180	<15	<15	<15	<15	<15	<150	18.08	4.67	---	13.41
TBW-N	03/08/2006	60,200	23.4	3,820	1,370	16,500	293	93.8	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.18	---	13.90
TBW-N	04/13/2006	73,000	21.8	2,900	1,220	14,600	277	68.5	<0.500	<0.500	<0.500	<0.500	<0.500	<500	18.08	3.49	---	14.59
TBW-N	05/30/2006	59,300	18.7	1,170	1,800	10,200	119 e	<10.0	<0.500	<0.500	<0.500	0.860	<0.500	<50.0	18.08	4.52	---	13.56
TBW-N	06/05/2006	83,700	16.0	1,510	2,090	11,400	146 e	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.55	---	13.53
TBW-N	07/19/2006	80,100	16.4	632	1,550	13,900	85.7	<10.0	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	4.99	---	13.09
TBW-N	08/30/2006	52,700	18.2	747	1,900	13,400	82.9	<100	<5.00	<5.00	<5.00	<5.00	<5.00	<500	18.08	5.47	---	12.61
TBW-N	09/06/2006	77,500	21.3	1,100	1,650	11,800	116	12.4	<0.500	<0.500	<0.500	<0.500	<0.500	<50.0	18.08	5.39	---	12.69

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg (µg/L)</i>	<i>B (µg/L)</i>	<i>T (µg/L)</i>	<i>E (µg/L)</i>	<i>X (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>TBA (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>	<i>TAME (µg/L)</i>	<i>1,2- DCA (µg/L)</i>	<i>EDB (µg/L)</i>	<i>Ethanol (µg/L)</i>	<i>TOC (ft MSL)</i>	<i>Depth to Water (ft)</i>	<i>SPH (ft)</i>	<i>GW Elevation (ft MSL)</i>
TBW-N	10/13/2006	33,000	22	1,300	1,700	27,000	160	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.57	---	12.51
TBW-N	11/22/2006	36,000	18	680	1,200	14,000	110	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.65	---	12.43
TBW-N	12/12/2006	34,000	<25	330	1,400	11,000	89	<1,000	<25	<25	<25	<25	<25	<5,000	18.08	5.34	---	12.74
TBW-N	01/05/2007	26,000 g	16	450	1,400	13,000 f	96	<50	<20	<20	<20	<5.0	<5.0	<500	18.08	5.23	---	12.85
TBW-N	02/23/2007	41,000	<25	400	1,500	15,000	120	<250	<100	<100	<100	<25	<25	<2,500	18.08	4.96	---	13.12
TBW-N	03/08/2007	15,000	<25	320	1,300	15,000	110	<250	<100	<100	<100	<25	<25	<2,500	18.08	4.93	---	13.15
TBW-N	04/06/2007	24,000 h	15	360	1,100	12,300	130	<50	<10	<10	<10	<2.5	---	<500	18.08	5.07	---	13.01
TBW-N	05/18/2007	30,000 h	15 j	140	1,100	9,960	100	<50	<100	<100	<100	<25	<50	<5,000	18.08	5.25	---	12.83
TBW-N	06/11/2007	26,000 h	15 j	160	1,300	9,150	120	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.33	---	12.75
TBW-N	07/03/2007	36,000 h	9.3 j	150	990	8,400	130	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.46	---	12.62
TBW-N	08/10/2007	24,000 h	14	200	1,200	5,240	120	<200	<40	<40	<40	<10	<20	<2,000	18.08	5.78	---	12.30
TBW-N	09/25/2007	28,000 h	15	560	1,400	7,600	<20	160 j	<40	<40	<40	<10	<20	<2,000	18.08	6.02	---	12.06
TBW-N	11/09/2007	42,000 h	18	610	1,700	14,500	140	<250	<50	<50	<50	<12	<25	<2,500	18.08	5.91	0.01	12.18
TBW-N	02/08/2008	36,000 h	<25	450	1,400	15,100	97	<500	<100	<100	<100	<25	<50	<5,000	18.08	4.79	---	13.29
TBW-N	05/16/2008	26,000	80	99	970	5,130	130	<500	<100	<100	<100	---	---	---	18.08	5.50	---	12.58
TBW-N	08/15/2008	24,000	<25	1,300	1,300	2,400	90	<500	<100	<100	<100	<25	<50	<5,000	18.08	6.59	---	11.49
TBW-N	11/26/2008	24,000	<25	140	810	5,580	52	<500	<100	<100	<100	<25	<50	<5,000	18.08	7.40	---	10.68
TBW-N	02/27/2009	22,000	<25	110	520	5,000	<50	<500	<100	<100	<100	<25	<50	<5,000	18.08	5.86	---	12.22
TBW-N	05/28/2009	32,000	8.9	160	860	5,600	53	160	<10	<10	<10	---	---	---	18.08	5.50	---	12.58
TBW-N	09/14/2009	28,000	10	110	890	4,700	60	<200	<40	<40	<40	<10	<20	<2000	18.08	6.31	---	11.77
TBW-N	02/05/2010	27,000	<10	71	630	4,900	28	<200	<40	<40	<40	<10	<20	<2000	18.08	5.28	---	12.80
TBW-N	08/03/2010	20,000	9.8	46	130	890	64	<100	<20	<20	<20	<5.0	<10	<1000	18.08	5.75	---	12.33
TBW-N	02/14/2011	15,000	7.5	38	320	1,800	18	<10	<10	<10	<10	<5.0	<5.0	<1500	18.08	5.40	---	12.68
TBW-N	08/04/2011	11,000	5.7	26	77	120	21	12	<1.0	<1.0	<1.0	<0.50	<0.50	<150	18.08	5.43	---	12.65
TBW-S	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.18	---	---
TBW-S	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.87	---	---
TBW-S	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.15	---	---
TBW-S	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.38	---	---
TBW-S	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.81	---	---
TBW-S	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.35	---	---

TABLE 1

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg</i> (<i>µg/L</i>)	<i>B</i> (<i>µg/L</i>)	<i>T</i> (<i>µg/L</i>)	<i>E</i> (<i>µg/L</i>)	<i>X</i> (<i>µg/L</i>)	<i>MTBE</i> (<i>µg/L</i>)	<i>TBA</i> (<i>µg/L</i>)	<i>DIPE</i> (<i>µg/L</i>)	<i>ETBE</i> (<i>µg/L</i>)	<i>TAME</i> (<i>µg/L</i>)	<i>1,2-DCA</i> (<i>µg/L</i>)	<i>EDB</i> (<i>µg/L</i>)	<i>Ethanol</i> (<i>µg/L</i>)	<i>TOC</i> (<i>ft MSL</i>)	<i>Depth to Water</i> (<i>ft</i>)	<i>SPH</i> (<i>ft</i>)	<i>GW Elevation</i> (<i>ft MSL</i>)
TBW-W	11/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.14	---	---
TBW-W	12/01/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.86	---	---
TBW-W	12/07/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.13	---	---
TBW-W	12/15/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.37	---	---
TBW-W	12/23/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.79	---	---
TBW-W	12/27/2004	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.32	---	---

Abbreviations:

TPHg = Total petroleum hydrocarbons as gasoline, analyzed by modified EPA Method 8260B

BTEX = Benzene, toluene, ethylbenzene, and total xylenes, analyzed by EPA Method 8260B

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

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

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

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

EDB = Ethylene Dibromide, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation, in feet, referenced to mean sea level (ft MSL)

SPH = Separate-phase hydrocarbon thickness

GW = Groundwater

µg/L = Micrograms per liter

<n = Below detection limit n

--- = Not applicable

Notes:

a = Extracted out of holding time.

b = Result with a carbon range of C4-C12.

c = Result may be biased slightly high. See lab report case narrative.

d = Result with a carbon range of C6-C12.

e = Secondary ion abundances were outside method requirements. Identification based on analytical judgment.

f = Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.

g = Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below the acceptance limits. A low bias to sample results is indicated.

**GROUNDWATER DATA
SHELL-BRANDED SERVICE STATION
1601 WEBSTER STREET, ALAMEDA, CALIFORNIA**

<i>Well ID</i>	<i>Date</i>	<i>TPHg</i> (<i>µg/L</i>)	<i>B</i> (<i>µg/L</i>)	<i>T</i> (<i>µg/L</i>)	<i>E</i> (<i>µg/L</i>)	<i>X</i> (<i>µg/L</i>)	<i>MTBE</i> (<i>µg/L</i>)	<i>TBA</i> (<i>µg/L</i>)	<i>DIPE</i> (<i>µg/L</i>)	<i>ETBE</i> (<i>µg/L</i>)	<i>TAME</i> (<i>µg/L</i>)	<i>1,2-DCA</i> (<i>µg/L</i>)	<i>EDB</i> (<i>µg/L</i>)	<i>Ethanol</i> (<i>µg/L</i>)	<i>TOC</i> (<i>ft MSL</i>)	<i>Depth to Water</i> (<i>ft</i>)	<i>SPH</i> (<i>ft</i>)	<i>GW Elevation</i> (<i>ft MSL</i>)
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h = Analyzed by EPA Method 8015B (M).

i = 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.

j = 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 Method 8260B.

Well TBW-N surveyed September 1, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-2 through S-7 surveyed on November 30, 2005 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-4B and S-7 through S-9 surveyed on August 17, 2006 by Virgil Chavez Land Surveying of Vallejo, CA.