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Alameda County
Environmental Health

August 13, 2008
DELTA Project SCA1801S1
SAP: 135783

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

Re: SECOND QUARTER 2008 GROUNDWATER MONITORING REPORT
Shell-Branded Service Station
1801 Santa Rita Road
Pleasanton, California

DELTA

Dear Mr. Wickham:

On behalf of Shell Oil Products (SHELL), Delta Consultants (DELTA), has prepared this *Second Quarter 2008 Groundwater Monitoring Report* for the above referenced site. The sampling activities at the site were performed 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 DETLA 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.

a member of: Inogen Environmental Alliance

312 Piercy Road San Jose, California 95138 USA
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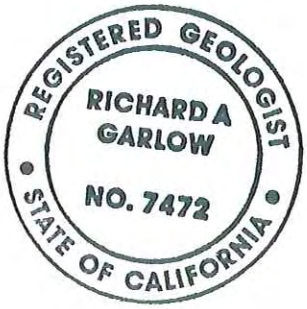
If you have any questions regarding this site, please contact Ms. Elisabeth Silver (DELTA) at (425) 498-7736 or Mr. Denis Brown (SHELL) at (707) 865-0251.

Sincerely,
Delta Consultants

ANGELA PICO FOR

Elisabeth Silver
Senior Project Manager

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



Attachment: Second Quarter 2008 Groundwater Monitoring Report

cc: Mr. Denis Brown, Shell Oil Products US, Carson

August 13, 2008

SHELL QUARTERLY STATUS REPORT

Station Address:	1801 Santa Rita Road, Pleasanton, CA
DELTA Project No.:	SCA1801S1
SHELL Project Manager / Phone No.:	Denis Brown / (707) 865-0251
DELTA Site Manager / Phone No.:	Elisabeth Silver / (425) 498-7736
Primary Agency / Regulatory ID No.:	Alameda County Environmental Health (ACEH) / Mr. Jerry Wickham
Other Agencies to Receive Copies:	None

WORK PERFORMED THIS QUARTER (SECOND - 2008):

1. Quarterly groundwater monitoring and sampling. Submitted quarterly report.

WORK PROPOSED FOR NEXT QUARTER (THIRD - 2008):

1. Quarterly groundwater monitoring and sampling. Collect TDS samples from wells to evaluate interconnectedness of "shallow" and "deep" zones. Submit quarterly report.

Current Phase of Project:	Groundwater monitoring.
Site Use:	Shell-branded service station
Frequency of Sampling:	Quarterly – Wells MW-1, MW-1A, MW-4, MW-4A, MW-5,and MW-6 Annual – Wells MW-2 and MW-3
Frequency of Monitoring:	Quarterly – Wells MW-1, MW-1A, MW-4, MW-4A, MW-5, and MW-6 Annual – Wells MW-2 and MW-3
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	☐ Yes ☒ No
Cumulative SPH Recovered to Date:	NA
SPH Recovered This Quarter :	None
Cumulative Groundwater Recovered to Date:	NA
Groundwater Recovered This Quarter:	517.33 gallons were recovered on April 17, 2008
Sensitive Receptor(s) and Respective Direction(s):	City of Pleasanton Well 06 located approximately 1,531 feet southeast of the site is the nearest municipal water supply well identified by Delta. City of Pleasanton Wells 04 and 05 are located approximately 1,795 feet and 1,848 feet southeast of site, respectively.
Site Lithology:	Borings for the wells encountered primarily clay and clayey sand from the ground surface to a depth of approximately 25 feet. Clay and silty clay were encountered from approximately 25 to 55 feet; and well graded sand and gravels were encountered from approximately 55 feet to 97.5 feet, the maximum depth explored.
Current Remediation Techniques:	None
Permits for Discharge:	None

August 13, 2008

SHELL QUARTERLY STATUS REPORT (CONT.)

Approximate Depth to Groundwater:	34.95 to 36.51 feet below top of well casing
Groundwater Gradient:	South-west at approximately 0.003 ft/ft in the shallow zone. North-west at approximately 0.001 ft/ft in the deep zone.
Current Agency Correspondence:	None
Date of Most Recent Work Plan Approval:	May 4, 2007
Site History:	
Case Opening	2002
Onsite Assessment	2002-2007
Offsite Assessment	None
Passive Remediation	None
Active Remediation	None
Closure	NA
Summary of Unusual Activity:	None

Discussion:
Monitoring data from well MW-4A to watch for seasonal changes. TPH-G increased in well MW-4A from 200 ug/l to 400 ug/l. Samples will be analyzed for TDS to evaluate interconnections between "shallow" and "deep" zones.

ATTACHED:

- Table 1 – Well Concentrations
- Figure 1 – Site Location Map
- Figure 2 – Groundwater Elevation Contour Map (Shallow)
- Figure 3 – Groundwater Elevation Contour Map (Deep)
- Figure 4 – Hydrocarbon Distribution Map
- Appendix A – Field Data Sheets
- Appendix B – Field Procedures
- Appendix C – Laboratory Report and Chain-of-Custody Document

TABLE

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1801 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.83	NA
MW-1	12/20/2002	<50	<50	<0.50	<0.50	<0.50	0.71	<0.50	<2.0	<2.0	<2.0	<50	NA	85.60	NA
MW-1	3/31/2003	<50	75	<0.50	<0.50	<0.50	<1.0	<5.0	NA	NA	NA	NA	342.10	77.36	264.74
MW-1	6/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	72.48	269.62
MW-1	9/15/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	79.03	263.07
MW-1	12/31/2003	<50	<50	<0.50	0.99	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	70.57	271.53
MW-1	3/8/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	65.95	276.15
MW-1	6/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	66.50	275.60
MW-1	4/14/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	55.97	286.13
MW-1	10/20/2005	<50	330 b/190 b	0.86	<0.50	<0.50	1.2	0.87	<2.0	<2.0	<2.0	<5.0	342.10	56.51	285.59
MW-1	2/27/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.10	45.93	296.17
MW-1	4/19/2006	<50.0	<47.2 c	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	342.10	43.15	298.95
MW-1	7/12/2006	<50.0	53.1 c	<0.500	<0.500	<0.500	<1.5	<0.500	<0.500	<0.500	<0.500	<10.0	342.10	44.80	297.30
MW-1	10/6/2006	<50.0	76 c,d	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	342.10	44.65	297.45
MW-1	1/19/2007	<50	71 c	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	342.10	39.39	302.71
MW-1	4/3/2007	51 i	150 c,h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	342.10	36.12	305.98
MW-1	7/6/2007	<50 i	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	342.10	44.15	297.95
MW-1	10/25/2007	<50 i	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	342.10	40.39	301.71
MW-1	1/10/2008	<50 i	<50 k	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	342.10	36.57	305.53
MW-1	**4/17/2008**	**<50**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**342.10**	**36.51**	**305.59**
MW-1A	2/23/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.72	46.95	294.77
MW-1A	2/27/2006	<50.0	55.9 c	4.04	<0.500	<0.500	2.02	3.32	<0.500	<0.500	<0.500	12.5	341.72	45.56	296.16
MW-1A	4/19/2006	<50.0	119 c	1.05	0.990	<0.500	<0.500	1.41	<0.500	<0.500	<0.500	<10.0	341.72	42.78	298.94
MW-1A	7/12/2006	<50.0	79.6 c	<0.500	<0.500	<0.500	<1.5	9.82	<0.500	<0.500	<0.500	19.1	341.72	44.41	297.31
MW-1A	10/6/2006	<50.0	90 c,d	<1.00	<1.00	<1.00	<3.00	7.27	<1.00	<1.00	<1.00	<10.0	341.72	44.22	297.50

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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1A	1/19/2007	<50	64 c	<0.50	<0.50	<0.50	<0.50	15	<0.50	<0.50	<0.50	24	341.72	38.94	302.78
MW-1A	4/3/2007	<50 i	210 c	0.74	<1.0	<1.0	<1.0	14	<2.0	<2.0	<2.0	<10	341.72	35.67	306.05
MW-1A	7/6/2007	<50 i	68 c	0.76	<1.0	<1.0	<1.0	38	<2.0	<2.0	<2.0	63	341.72	43.72	298.00
MW-1A	10/25/2007	<50 i	<50 c	<0.50	<1.0	<1.0	<1.0	30	<2.0	<2.0	<2.0	29	341.72	39.89	301.83
MW-1A	1/10/2008	<50 i	100 h,k	<0.50	<1.0	<1.0	<1.0	23	<2.0	<2.0	<2.0	<10	341.72	36.06	305.66
MW-1A	**4/17/2008**	**<50 i**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**38**	**<2.0**	**<2.0**	**<2.0**	**24**	**341.72**	**36.13**	**305.59**
MW-2	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.15	NA
MW-2	12/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<50	NA	85.00	NA
MW-2	3/31/2003	<50	63	<0.50	0.71	<0.50	<1.0	<5.0	NA	NA	NA	NA	341.57	76.63	264.94
MW-2	6/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	71.94	269.63
MW-2	9/15/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	78.41	263.16
MW-2	12/31/2003	<50	120 a	<0.50	1.3	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	69.96	271.61
MW-2	3/8/2004	<50	110 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	65.34	276.23
MW-2	6/16/2004	<50	90 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	65.86	275.71
MW-2	4/14/2005	<50	77 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	55.35	286.22
MW-2	10/20/2005	<50	75 a/<50	<0.50	<0.50	<0.50	<1.0	0.54	<2.0	<2.0	<2.0	<5.0	341.57	55.89	285.68
MW-2	2/27/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	45.30	296.27
MW-2	4/19/2006	<50.0	80.1 c	<0.500	<0.500	<0.500	<0.500	0.630	<0.500	<0.500	<0.500	<10.0	341.57	42.56	299.01
MW-2	7/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	44.20	297.37
MW-2	10/6/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	44.07	297.50
MW-2	1/19/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	38.79	302.78
MW-2	4/3/2007	<50 i	190 c	<0.50	<1.0	<1.0	<1.0	0.77 j	<2.0	<2.0	<2.0	<10	341.57	35.54	306.03
MW-2	7/6/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	43.54	298.03
MW-2	10/25/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	39.77	301.80
MW-2	1/10/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	35.95	305.62
MW-2	**4/17/2008**	**<50**	**57 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**1.2**	**<2.0**	**<2.0**	**<2.0**	**<10**	**341.57**	**35.90**	**305.67**

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MW-3	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.49	NA
MW-3	12/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<50	NA	85.25	NA
MW-3	3/31/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	NA	NA	NA	NA	341.65	76.81	264.84
MW-3	6/26/2003	<50	80 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	72.05	269.60
MW-3	9/15/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	78.52	263.13
MW-3	12/31/2003	<50	<50	<0.50	1.2	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	70.15	271.50
MW-3	3/8/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	65.46	276.19
MW-3	6/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	65.87	275.78
MW-3	4/14/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	55.50	286.15
MW-3	10/20/2005	<50	55 a/<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	55.97	285.68
MW-3	2/27/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	45.45	296.20
MW-3	4/19/2006	<50.0	200 c	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	20.2	341.65	42.67	298.98
MW-3	7/12/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	44.32	297.33
MW-3	10/6/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	44.19	297.46
MW-3	1/19/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	38.98	302.67
MW-3	4/3/2007	<50 i	140 c	0.21 j	<1.0	<1.0	<1.0	0.29 j	<2.0	<2.0	<2.0	<10	341.65	35.72	305.93
MW-3	7/6/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	43.69	297.96
MW-3	10/25/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	39.90	301.75
MW-3	1/10/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	36.12	305.53
MW-3	**4/17/2008**	**<50**	**95 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**341.65**	**36.02**	**305.63**
MW-4	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84.36	NA
MW-4	12/20/2002	<50	69	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<50	NA	84.15	NA
MW-4	3/31/2003	<50	70	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	340.68	75.90	264.78
MW-4	6/26/2003	<50	86 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	71.01	269.67
MW-4	9/15/2003	<50	120 a	1.0	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	77.57	263.11

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MW-4	12/31/2003	<50	<50	<0.50	0.64	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	69.15	271.53
MW-4	3/8/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	64.51	276.17
MW-4	6/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	65.04	275.64
MW-4	4/14/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	54.53	286.15
MW-4	10/20/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	55.05	285.63
MW-4	2/27/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.68	44.49	296.19
MW-4	4/19/2006	<50.0	265 c	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	340.68	41.72	298.96
MW-4	7/12/2006	<50.0	652 c	<0.500	<0.500	<0.500	<1.5	<0.500	<0.500	<0.500	<0.500	<10.0	340.68	43.34	297.34
MW-4	10/6/2006	<50.0	320 c,d	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	340.68	43.23	297.45
MW-4	1/19/2007	<50	79 c	<0.50	<0.50	<0.50	0.88	<0.50	<0.50	<0.50	<0.50	<20	340.68	38.12	302.56
MW-4	4/3/2007	<50 i	1,200 c,h	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	340.68	34.55	306.13
MW-4	7/6/2007	<50 i	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	340.68	42.75	297.93
MW-4	10/25/2007	<50 i	1,400 c,h	<0.50	0.30 j	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	340.68	38.92	301.76
MW-4	1/10/2008	<50 i	<50 k	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	340.68	35.22	305.46
MW-4	**4/17/2008**	**<50**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**340.68**	**35.03**	**305.65**
MW-4A	2/23/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.77	46.55	294.22
MW-4A	2/27/2006	3,280	246 c	232	135	27.2	306	10.2	<0.500	<0.500	<0.500	<10.0	340.77	44.61	296.16
MW-4A	4/19/2006	15,000	967 c	2,620	1,280	518	1,460	34.9	<0.500	<0.500	<0.500	<10.0	340.77	41.82	298.95
MW-4A	7/12/2006	25,900	<47.2 c	3,720	749	728	1,770	37.6	<0.500	<0.500	<0.500	32.2	340.77	43.48	297.29
MW-4A	10/6/2006	4,340	560 c,d	573	14.9	193	132	16.4	<1.00	<1.00	<1.00	<10.0	340.77	43.42	297.35
MW-4A	1/19/2007	3,700	420 c	1,300 e,f,g	150	350	400	40	<2.5	<2.5	<2.5	<100	340.77	38.03	302.74
MW-4A	4/3/2007	2,200 i	1,200 c	240	5.0	240	9.4	41	<2.0	<2.0	<2.0	44	340.77	34.78	305.99
MW-4A	7/6/2007	1,300 i	290 c	130	6.5	130	40.7	29	<2.0	<2.0	<2.0	72	340.77	42.91	297.86
MW-4A	10/25/2007	400 i	220 c,h	3.8	0.50 j	3.7	1.37 j	34	<2.0	<2.0	<2.0	200	340.77	39.12	301.65
MW-4A	1/10/2008	200 i	150 h, k	8.8	0.75 j	2.4	0.37 j	40	<2.0	<2.0	<2.0	310	340.77	35.20	305.57
MW-4A	**4/17/2008**	**400 i**	**150 h, k**	**31**	**3.4**	**5.6**	**1.9**	**60**	**<2.0**	**<2.0**	**<2.0**	**220**	**340.77**	**35.21**	**305.56**

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1801 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-5	2/23/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.86	45.10	295.76
MW-5	2/27/2006	<50.0	<50.0 c	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	340.86	44.69	296.17
MW-5	4/19/2006	<50.0	<47.2 c	0.810	0.810	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	340.86	41.95	298.91
MW-5	7/12/2006	<50.0	71.6 c	<0.500	<0.500	<0.500	<1.5	<0.500	<0.500	<0.500	<0.500	<10.0	340.86	43.44	297.42
MW-5	10/6/2006	<50.0	260 c,d	<1.00	<1.00	<1.00	<3.00	<1.00	<1.00	<1.00	<1.00	<10.0	340.86	43.46	297.40
MW-5	1/19/2007	<50	<50 c	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<20	340.86	38.09	302.77
MW-5	4/3/2007	<50 i	120 c,h	<0.50	<1.0	<1.0	<1.0	0.34 j	<2.0	<2.0	<2.0	<10	340.86	34.91	305.95
MW-5	7/6/2007	<50 i	<50 c	<0.50	<1.0	<1.0	<1.0	1.3	<2.0	<2.0	<2.0	<10	340.86	42.95	297.91
MW-5	10/25/2007	<50 i	<50 c	<0.50	0.34 j	<1.0	<1.0	1.7	<2.0	<2.0	<2.0	<10	340.86	39.16	301.70
MW-5	1/10/2008	<50 i	82 h,k	<0.50	<1.0	<1.0	<1.0	1.1	<2.0	<2.0	<2.0	<10	340.86	35.30	305.56
MW-5	**4/17/2008**	**<50 i**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**<10**	**340.86**	**35.42**	**305.44**
MW-6	9/12/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42.20	NA
MW-6	9/19/2007	<50 i	<50 c	<0.50	<1.0	<1.0	<1.0	2.5	NA	NA	NA	<10	NA	41.85	NA
MW-6	10/25/2007	<50 i	<50 c	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<10	340.34	38.63	301.71
MW-6	1/10/2008	<50 i	<50 k	<0.50	<1.0	<1.0	<1.0	0.86 j	<2.0	<2.0	<2.0	<10	340.34	35.29	305.05
MW-6	**4/17/2008**	**<50 i**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**1.8**	**<2.0**	**<2.0**	**<2.0**	**<10**	**340.34**	**34.95**	**305.39**

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1801 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (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
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
TBA = Tertiary Butanol or Tertiary butyl alcohol
n/n = TEPH/TEPH w/Silica Gel Clean-up
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
NA = Not applicable

TABLE 1
WELL CONCENTRATIONS
Shell-branded Service Station
1801 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Notes:

a = Hydrocarbon does not match pattern of laboratory's standard.

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

c = Analysis with Silica Gel clean-up.

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

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

f = The sample, as received, was not preserved in accordance to the referenced analytical method.

g = pH=7

h = 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.

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

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

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

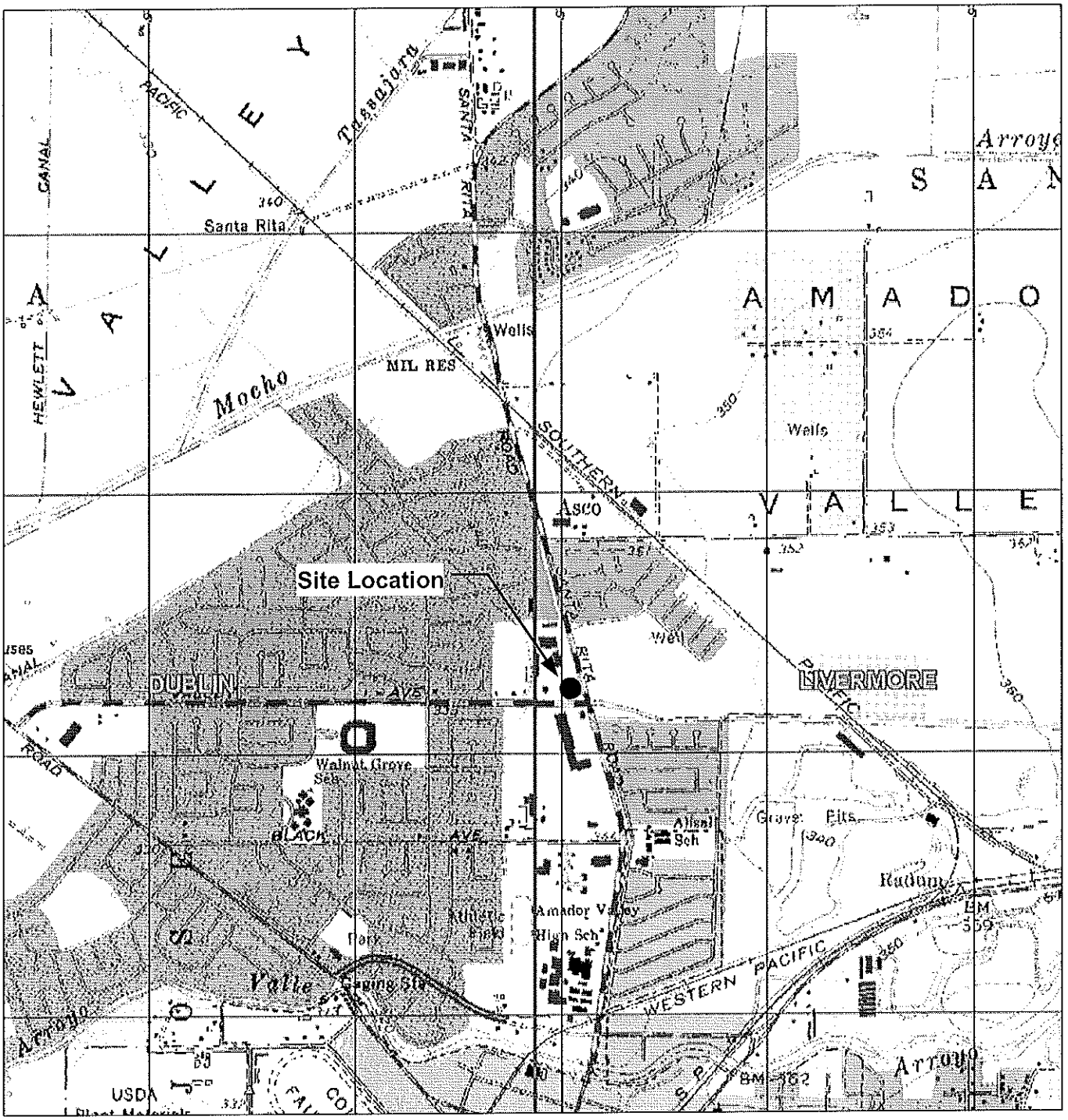
Site surveyed January 14, 2003 by Mid Coast Engineers.

1Q06 survey data for wells MW-1A, MW-4A, and MW-5 provided by Delta Environmental.

TOC elevation for well MW-6 surveyed on October 5, 2007 and was provided by Delta Environmental.

FIGURES

Needs Fig 1



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

North

QUADRANGLE LOCATION

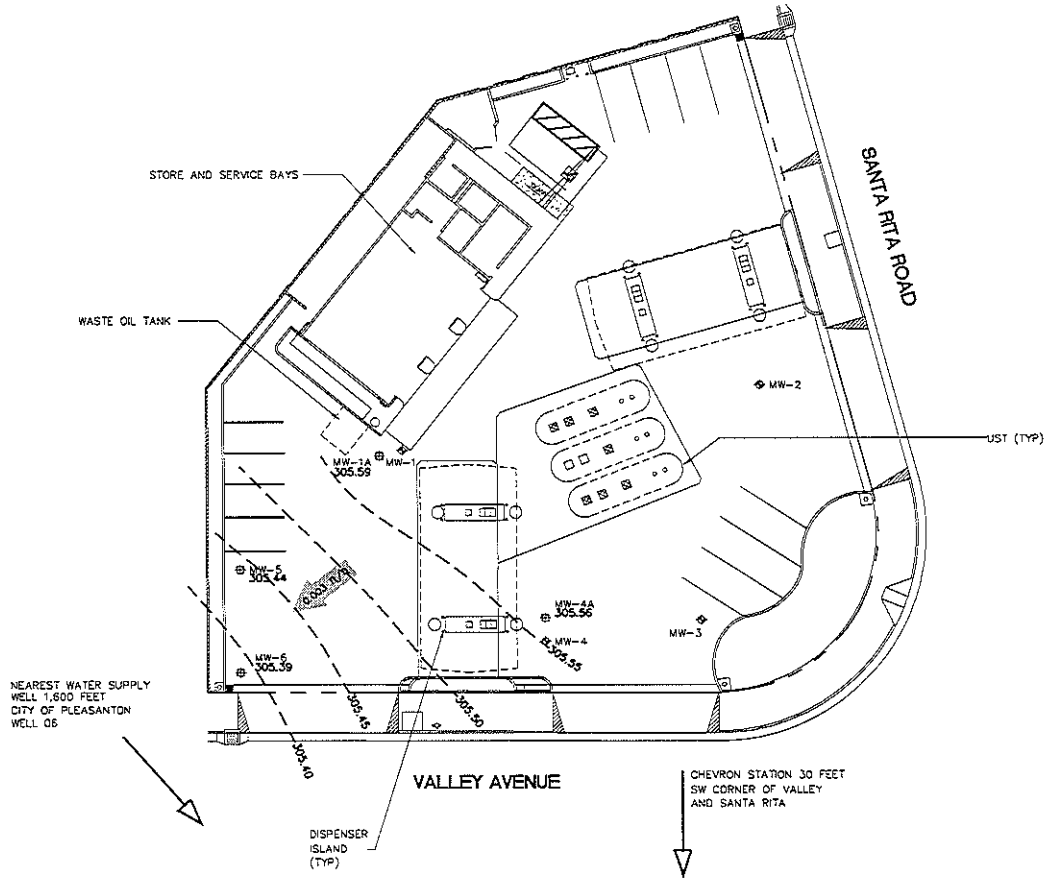
0 1,800 3,600
Scale, Feet

FIGURE 1
SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION
1801 Santa Rita Road
Pleasanton, California

PROJECT NO. SCA1801S1	DRAWN BY VF 10/23/03
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY

Delta
Environmental
Consultants, Inc.



N
W E
S

LEGEND

MW-1 ◆	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DEEP)
MW-5 ◆	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (SHALLOW)
305.56	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
305.55	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=0.05 FEET
0.003 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft./ft.)

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
KEY 05/19/08			SCA1801S1

0 15 30
SCALE IN FEET

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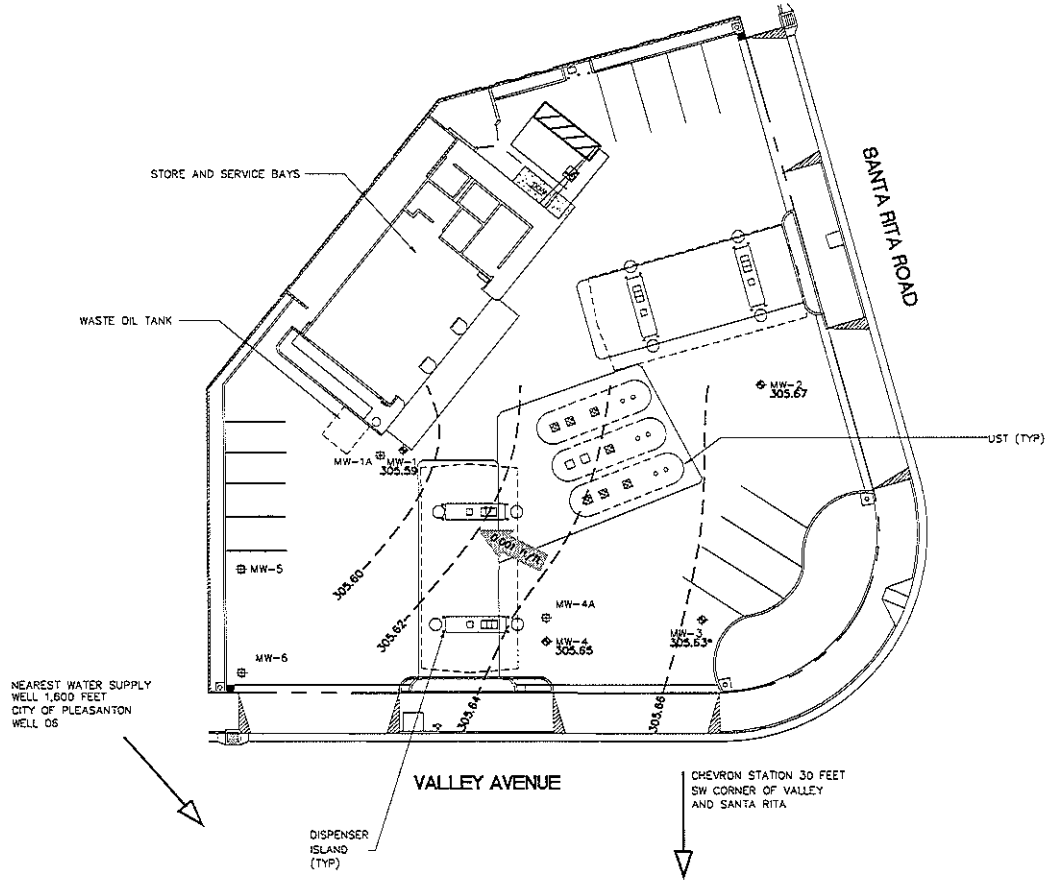
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP
(SHALLOW)
04/17/08
1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

FILENAME: SCA1801S1_DBQ2.DWG[FIG2_GWCONTOURS_SHALLOW

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
ICD 05/19/08			SCA1801S1



LEGEND

MW-1	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DEEP)
MW-5	GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (SHALLOW)
305.67	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
305.66	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=0.02 FEET
0.001 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)
*	NOT USED IN CONTOURING

0 15 30
SCALE IN FEET

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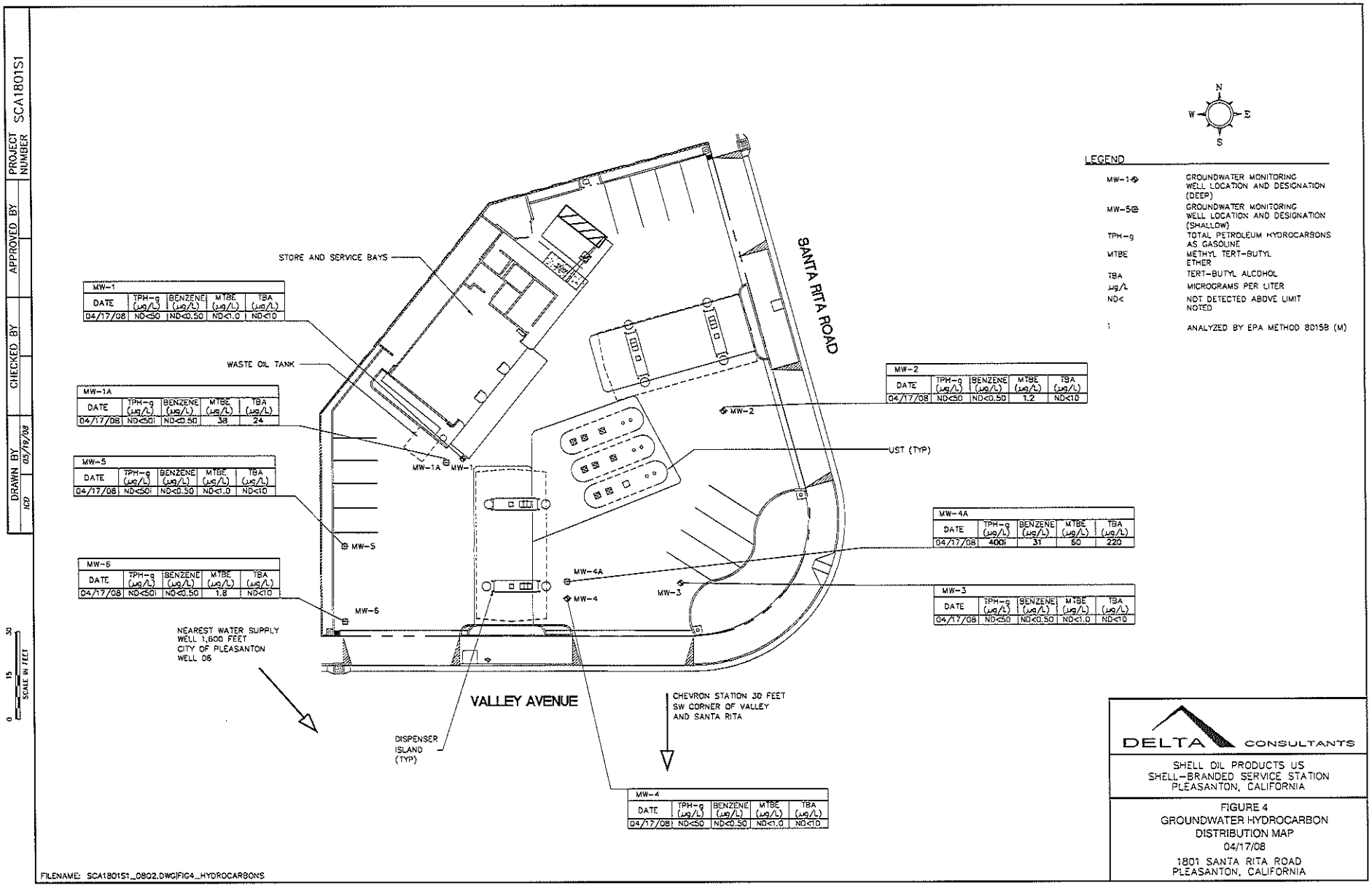
PLEASANTON, CALIFORNIA

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
(DEEP)
04/17/08
1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

FILENAME: SCA1801S1_0802.DWG[FIG3_GWCONTOURS_DEEP


PROJECT NUMBER SCA1801S1
APPROVED BY
CHECKED BY
DRAWN BY HCP 05/19/08
SCALE IN FEET 0 15 30
N
W
E
S
LEGEND
MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DEEP)
MW-5 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (SHALLOW)
TPH-g TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
MTBE METHYL TERT-BUTYL ETHER
TBA TERT-BUTYL ALCOHOL
µg/L MICROGRAMS PER LITER
ND< NOT DETECTED ABOVE LIMIT NOTED
1 ANALYZED BY EPA METHOD 8015B (M)
STORE AND SERVICE BAYS
WASTE OIL TANK
SANTA RITA ROAD
UST (TYP)
MW-1A
MW-1
MW-2
MW-5
MW-6
MW-4A
MW-4
MW-3
NEAREST WATER SUPPLY WELL 1,600 FEET CITY OF PLEASANTON WELL D5
VALLEY AVENUE
DISPENSER ISLAND (TYP)
CHEVRON STATION 30 FEET SW CORNER OF VALLEY AND SANTA RITA
MW-1
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
04/17/08 | ND<50 | ND<0.50 | ND<1.0 | ND<10
MW-1A
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
04/17/08 | ND<50 | ND<0.50 | 38 | 24
MW-2
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
04/17/08 | ND<50 | ND<0.50 | 1.2 | ND<10
MW-5
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
04/17/08 | ND<50 | ND<0.50 | ND<1.0 | ND<10
MW-6
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
04/17/08 | ND<50 | ND<0.50 | 1.8 | ND<10
MW-4A
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
04/17/08 | 400i | 31 | 50 | 220
MW-3
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
04/17/08 | ND<50 | ND<0.50 | ND<1.0 | ND<10
MW-4
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
04/17/08 | ND<50 | ND<0.50 | ND<1.0 | ND<10
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SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA
FIGURE 4
GROUNDWATER HYDROCARBON DISTRIBUTION MAP
04/17/08
1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA
FILENAME: SCA1801S1_0802.DWG|FIG4_HYDROCARBONS

APPENDIX A

FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 1801 Santa Rita Rd Date 4/17/08

Job Number 080417-WL1 Technician Will Lamb 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	X							
MW-1A	X	X							
MW-2	X	X							
MW-3	X	X							
MW-4	X	X							
MW-4A	X	X							
MW-5	X	X							
MW-6	X	X							

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

Notes:

WELL GAUGING DATA

Project # 080417-WL1 Date 4/17/08 Client Shell

Site 1801 Santa Rita Rd. Pleasanton.

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	0840	4					36.51	92.04		1a
MW-1A	0910	4					36.13	57.18		5 Hesa
MW-2	0905	4					35.90	93.11		3
MW-3	0856	4					36.02	96.14		2
MW-4	0849	2					35.03	94.18		1b
MW-4A	0915	4					35.21	54.15		6
MW-5	Well	inaccessible		due to Car parked over it						4
MW-6	0831	4					34.95	54.43		1c
MW-5	1305	4					35.42	54.37		

SHELL WELL MONITORING DATA SHEET

BTS #: 080417-WL1	Site: 1801 Santa Rita Rd.
Sampler: WL	Date: 4/17/08
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 92.04	Depth to Water (DTW): 36.51
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]: 47.62	

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

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

36.0 (Gals.) X 3 = 108.0 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0959	64.6	7.7	1288	45	36.0	clear
1006	64.2	6.7	1323	20	77.0	↓
1013	64.3	7.0	1321	15	108.0	↓
						X

Did well dewater? Yes (No) Gallons actually evacuated: 108.0

Sampling Date: 4/17/08 Sampling Time: 1020 Depth to Water: 36.58

Sample I.D.: MW-1 Laboratory: STL (Other) Cal Science

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 #: 080417-WL1	Site: 1801 Santa Rita Rd
Sampler: WC	Date: 4/17/08
Well I.D.: MW-1A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 57.18	Depth to Water (DTW): 36.13
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]: 40.34	

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

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

13.6 (Gals.) X 3 = 40.8 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
1330	69.5	7.4	1738	381	13.6	cloudy
1332	70.7	7.1	1531	178	26.2	↓
1334	70.9	7.0	1523	61	40.8	clear

Did well dewater? Yes (No) Gallons actually evacuated: 40.8

Sampling Date: 4/17/08 Sampling Time: 1340 Depth to Water: 36.20

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

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 #: 080417-WL1	Site: 1801 Santa Rita Rd.
Sampler: WL	Date: 4/17/08
Well I.D.: MW-2	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 93.11	Depth to Water (DTW): 35.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 46.44	

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

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

37.5 (Gals.) X 3 = 111.5 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	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1240	75.5	7.4	1258	63	37.5	Clear
1247	74.4	7.4	1254	18	75	"
1254	71.3	7.0	1250	10 "	111.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 111.5

Sampling Date: 4/17/08 Sampling Time: 1300 Depth to Water:

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

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 #: 080417-WL1	Site: 1801 Santa Rita Rd.
Sampler: WL	Date: 4/17/08
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 96.14	Depth to Water (DTW): 36.02
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]: 48.04	

Purge Method: Bailer / Disposable Bailer / Positive Air Displacement / X Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other____

Sampling Method: X Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other:

39.0 (Gals.) X 3 = 117.23 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
1202	71.7	7.9	1239	792	39.0	Cloudy
1210	74.1	7.6	1244	138	78.0	clear
1218	72.6	7.6	1233	77	117.23	↓

Did well dewater? Yes (No) Gallons actually evacuated: 117.23

Sampling Date: 4/17/08 Sampling Time: 1225 Depth to Water: 39.17

Sample I.D.: MW-3 Laboratory: STL Other Cal Science

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 #: 080417-WL1	Site: 1801 Santa Rita Rd.
Sampler: WL	Date: 4/17/08
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 94.18	Depth to Water (DTW): 35.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 46.86	

Purge Method: ✓Bailer / Disposable Bailer / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other____

Sampling Method: ✓Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

9.4 (Gals.) X 3 = 28.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1041	66.5	7.7	1219	~~45~~ 48	9.4	clear
1051	66.7	7.2	1385	65	18.8	↓
1101	67.1	7.2	1409	20	26.2	↓

Did well dewater? Yes (No) Gallons actually evacuated: 28.2

Sampling Date: 4/17/08 Sampling Time: 1105 Depth to Water: 35.12

Sample I.D.: MW-4 Laboratory: STL Other GL Science

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 #: 080417-WL1	Site: 1801 Santa Rita Rd
Sampler: WL	Date: 4/17/08
Well I.D.: MW-4A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 54.15	Depth to Water (DTW): 35.21
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]: 38.99	

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: _____

12.3 (Gals.) X 3 = 36.9 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
1352	71.2	6.9	1608	50	12.3	Clear odor
1354	70.9	6.7	1565	25	24.6	↓
1356	69.7	6.8	1553	21	36.9	↓

Did well dewater? Yes (No) Gallons actually evacuated: 36.9

Sampling Date: 4/17/08 Sampling Time: 1405 Depth to Water: 35.21

Sample I.D.: MW-4A Laboratory: STL Other Cal Science

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 #: 080417-WL1	Site: 1801 Santa Rita Rd.
Sampler: WL	Date: 4/17/08
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 54.37	Depth to Water (DTW): 35.42
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]: 39.21	

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: ____

12.3 (Gals.) X 3 = 36.9 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
1310	73.0	7.2	1641	464	~~3~~ (WL) 9.1 123	Cloudy
1312	70.7	7.0	1635	83	(WL) ~~6~~ 24	clear
1314	68.3	6.8	1644	44	36.9	↓

Did well dewater? Yes (No) Gallons actually evacuated: 36.9

Sampling Date: 4/17/08 Sampling Time: 1320 Depth to Water: 35.54

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

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 #: 080417-WL1	Site: 1801 Santa Rita Rd
Sampler: WC	Date: 4/17/08
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 54.43	Depth to Water (DTW): 34.95
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]:	

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: _____

12.6 (Gals.) X 3 = 37.8 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
1112	71.6	7.3	1626	854	12.6	Cloudy
1114	71.0	7.3	1619	434	25.2	
1116	71.2	7.1	1609	338	37.8	

Did well dewater? Yes (No) Gallons actually evacuated: 37.8

Sampling Date: 4/17/08 Sampling Time: 1125 Depth to Water: 35.00

Sample I.D.: MW-6 Laboratory: STL Other Cal Science

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.
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 DOCUMENT

Calscience
Environmental
Laboratories, Inc.

May 05, 2008

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

Subject: **Calscience Work Order No.:** **08-04-1742**
Client Reference: **1801 Santa Rita Rd., Pleasanton, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/19/2008 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.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	04/19/08
1680 Rogers Avenue		Work Order No:	08-04-1742
San Jose, CA 95112-1105		Preparation:	EPA 3510C
		Method:	EPA 8015B

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	08-04-1742-1-D	04/17/08 10:20	Aqueous	GC 23	04/22/08	04/23/08 21:24	080422B11

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	116	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1A	08-04-1742-2-D	04/17/08 13:40	Aqueous	GC 23	04/22/08	04/23/08 21:34	080422B11

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	116	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	08-04-1742-3-D	04/17/08 13:00	Aqueous	GC 23	04/22/08	04/23/08 21:44	080422B11

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

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	57	50	1		ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	08-04-1742-4-D	04/17/08 12:25	Aqueous	GC 23	04/22/08	04/23/08 21:53	080422B11

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

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	95	50	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	89	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	04/19/08
1680 Rogers Avenue	Work Order No:	08-04-1742
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	08-04-1742-5-D	04/17/08 11:05	Aqueous	GC 23	04/22/08	04/23/08 22:03	080422B11

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	107	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4A	08-04-1742-6-D	04/17/08 14:05	Aqueous	GC 23	04/22/08	04/23/08 22:12	080422B11

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	150	50	1		ug/L

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	08-04-1742-7-D	04/17/08 13:20	Aqueous	GC 23	04/22/08	04/23/08 22:21	080422B11

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	126	68-140	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received: 04/19/08
1680 Rogers Avenue	Work Order No: 08-04-1742
San Jose, CA 95112-1105	Preparation: EPA 3510C
	Method: EPA 8015B

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	**08-04-1742-8-D**	**04/17/08 11:25**	**Aqueous**	**GC 23**	**04/22/08**	**04/23/08 22:30**	**080422B11**

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	122	68-140	

Method Blank	**099-12-211-355**	**N/A**	**Aqueous**	**GC 23**	**04/22/08**	**04/23/08 19:19**	**080422B11**

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

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

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	04/19/08
1680 Rogers Avenue	Work Order No:	08-04-1742
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1A	08-04-1742-2-C	04/17/08 13:40	Aqueous	GC 30	04/22/08	04/22/08 21:07	080422B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	96	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4A	08-04-1742-6-C	04/17/08 14:05	Aqueous	GC 30	04/22/08	04/22/08 21:41	080422B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	400	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	121	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	08-04-1742-7-C	04/17/08 13:20	Aqueous	GC 30	04/22/08	04/22/08 22:15	080422B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	101	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	08-04-1742-8-C	04/17/08 11:25	Aqueous	GC 30	04/22/08	04/22/08 22:49	080422B02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	106	38-134			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	04/19/08
1680 Rogers Avenue	Work Order No:	08-04-1742
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-436-1,792**	**N/A**	**Aqueous**	**GC 30**	**04/22/08**	**04/22/08 10:26**	**080422B02**

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: 04/19/08
1680 Rogers Avenue	Work Order No: 08-04-1742
San Jose, CA 95112-1105	Preparation: EPA 5030B
	Method: EPA 8260B
	Units: ug/L

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1A	08-04-1742-2-A	04/17/08 13:40	Aqueous	GC/MS CC	04/22/08	04/23/08 04:30	080422L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		o-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	38	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	24	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	74-140			1,2-Dichloroethane-d4	100	74-146		
Toluene-d8	98	88-112			1,4-Bromofluorobenzene	100	74-110		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4A	08-04-1742-6-A	04/17/08 14:05	Aqueous	GC/MS CC	04/22/08	04/23/08 04:58	080422L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	31	0.50	1		o-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	60	1.0	1	
1,2-Dichloroethane	9.3	0.50	1		Tert-Butyl Alcohol (TBA)	220	10	1	
Ethylbenzene	5.6	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	3.4	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	1.9	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	104	74-140			1,2-Dichloroethane-d4	101	74-146		
Toluene-d8	97	88-112			1,4-Bromofluorobenzene	99	74-110		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-5	08-04-1742-7-A	04/17/08 13:20	Aqueous	GC/MS CC	04/22/08	04/23/08 05:26	080422L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		o-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	100	74-140			1,2-Dichloroethane-d4	94	74-146		
Toluene-d8	96	88-112			1,4-Bromofluorobenzene	98	74-110		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received:	04/19/08
Work Order No:	08-04-1742
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	08-04-1742-8-A	04/17/08 11:25	Aqueous	GC/MS CC	04/22/08	04/23/08 05:54	080422L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		o-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	1.8	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	102	74-140			1,2-Dichloroethane-d4	100	74-146		
Toluene-d8	99	88-112			1,4-Bromofluorobenzene	102	74-110		

Method Blank	099-10-006-25,326	N/A	Aqueous	GC/MS CC	04/22/08	04/23/08 02:10	080422L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		o-Xylene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	107	74-140			1,2-Dichloroethane-d4	106	74-146		
Toluene-d8	99	88-112			1,4-Bromofluorobenzene	100	74-110		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	04/19/08
1680 Rogers Avenue	Work Order No:	08-04-1742
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	08-04-1742-1-B	04/17/08 10:20	Aqueous	GC/MS R	04/30/08	05/01/08 06:19	080430L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	87	70-130			1,4-Bromofluorobenzene-TPPH	101	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-2	08-04-1742-3-B	04/17/08 13:00	Aqueous	GC/MS R	04/30/08	05/01/08 06:51	080430L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	1.2	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	84	70-130			1,4-Bromofluorobenzene-TPPH	97	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	08-04-1742-4-B	04/17/08 12:25	Aqueous	GC/MS R	04/30/08	05/01/08 07:23	080430L02

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	83	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	04/19/08
1680 Rogers Avenue	Work Order No:	08-04-1742
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	LUFT GC/MS / EPA 8260B
	Units:	ug/L

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	**08-04-1742-5-B**	**04/17/08 11:05**	**Aqueous**	**GC/MS R**	**04/30/08**	**05/01/08 07:55**	**080430L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	86	70-130			1,4-Bromofluorobenzene-TPPH	99	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-715-259**	**N/A**	**Aqueous**	**GC/MS R**	**04/30/08**	**05/01/08 03:38**	**080430L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
TPPH	ND	50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Benzene	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Ethylbenzene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Toluene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
o-Xylene	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	82	70-130			1,4-Bromofluorobenzene-TPPH	96	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 04/19/08
Work Order No: 08-04-1742

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-1A	08-04-1742-2	04/17/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM - SGT: Oil and Grease	ND	1.0	1		mg/L	N/A	04/22/08	EPA 1664A

Method Blank	N/A	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM - SGT: Oil and Grease	ND	1.0	1		mg/L	N/A	04/22/08	EPA 1664A

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

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105	Date Received: Work Order No: Preparation: Method:	04/19/08 08-04-1742 EPA 5030B EPA 8015B (M)

Project 1801 Santa Rita Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-04-1753-8	Aqueous	GC 30	04/22/08	04/22/08	080422S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	94	95	68-122	1	0-18	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

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

Date Received: 04/19/08
Work Order No: 08-04-1742
Preparation: EPA 5030B
Method: EPA 8260B

Project 1801 Santa Rita Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-5	Aqueous	GC/MS CC	04/22/08	04/23/08	080422S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	100	88-118	1	0-7	
Carbon Tetrachloride	106	101	67-145	4	0-11	
Chlorobenzene	102	102	88-118	0	0-7	
1,2-Dibromoethane	108	102	70-130	6	0-30	
1,2-Dichlorobenzene	106	105	86-116	1	0-8	
1,1-Dichloroethene	102	96	70-130	6	0-25	
Ethylbenzene	99	99	70-130	0	0-30	
Toluene	95	94	87-123	1	0-8	
Trichloroethene	97	96	79-127	1	0-10	
Vinyl Chloride	93	89	69-129	4	0-13	
Methyl-t-Butyl Ether (MTBE)	107	101	71-131	6	0-13	
Tert-Butyl Alcohol (TBA)	88	84	36-168	5	0-45	
Diisopropyl Ether (DIPE)	98	93	81-123	6	0-9	
Ethyl-t-Butyl Ether (ETBE)	103	97	72-126	6	0-12	
Tert-Amyl-Methyl Ether (TAME)	97	95	72-126	1	0-12	
Ethanol	90	81	53-149	11	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Blaine Tech Services, Inc. 1680 Rogers Avenue San Jose, CA 95112-1105	Date Received: Work Order No: Preparation: Method:	04/19/08 08-04-1742 EPA 5030B LUFT GC/MS / EPA 8260B

Project 1801 Santa Rita Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-04-1693-3	Aqueous	GC/MS R	04/30/08	05/01/08	080430S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	110	109	70-130	1	0-30	
Ethylbenzene	108	106	70-130	1	0-30	
Toluene	112	112	70-130	0	0-30	
p/m-Xylene	111	107	70-130	3	0-30	
o-Xylene	113	110	70-130	3	0-30	
Methyl-t-Butyl Ether (MTBE)	114	116	70-130	2	0-30	
Tert-Butyl Alcohol (TBA)	149	135	70-130	10	0-30	3
Diisopropyl Ether (DIPE)	116	116	70-130	0	0-30	
Ethyl-t-Butyl Ether (ETBE)	113	114	70-130	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	117	116	70-130	0	0-30	
Ethanol	124	120	70-130	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	08-04-1742
San Jose, CA 95112-1105	Preparation:	EPA 3510C
	Method:	EPA 8015B

Project: 1801 Santa Rita Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-211-355	Aqueous	GC 23	04/22/08	04/23/08	080422B11

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	95	101	75-117	6	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Blaine Tech Services, Inc.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	08-04-1742
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8015B (M)

Project: 1801 Santa Rita Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-436-1,792	Aqueous	GC 30	04/22/08	04/22/08	080422B02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	100	102	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.	Date Received:	N/A
1680 Rogers Avenue	Work Order No:	08-04-1742
San Jose, CA 95112-1105	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: 1801 Santa Rita Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-25,326	Aqueous	GC/MS CC	04/22/08	04/23/08	080422L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	97	84-120	3	0-8	
Carbon Tetrachloride	100	102	63-147	2	0-10	
Chlorobenzene	105	102	89-119	3	0-7	
1,2-Dibromoethane	105	102	80-120	2	0-20	
1,2-Dichlorobenzene	106	107	89-119	1	0-9	
1,1-Dichloroethene	101	97	77-125	4	0-16	
Ethylbenzene	103	100	80-120	3	0-20	
Toluene	96	94	83-125	2	0-9	
Trichloroethene	98	95	89-119	3	0-8	
Vinyl Chloride	90	88	63-135	3	0-13	
Methyl-t-Butyl Ether (MTBE)	98	99	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	77	80	46-154	3	0-32	
Diisopropyl Ether (DIPE)	93	93	81-123	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	97	97	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	93	94	76-124	1	0-10	
Ethanol	76	75	60-138	1	0-32	

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: 08-04-1742
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B

Project: 1801 Santa Rita Rd., Pleasanton, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-715-259	Aqueous	GC/MS R	04/30/08	05/01/08	080430L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPPH	112	114	65-135	2	0-30	
Benzene	115	115	70-130	0	0-30	
Ethylbenzene	114	117	70-130	2	0-30	
Toluene	117	120	70-130	3	0-30	
p/m-Xylene	116	120	70-130	3	0-30	
o-Xylene	117	119	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	107	106	70-130	1	0-30	
Tert-Butyl Alcohol (TBA)	128	132	70-130	3	0-30	X
Diisopropyl Ether (DIPE)	115	113	70-130	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	107	106	70-130	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	110	107	70-130	3	0-30	
Ethanol	114	122	70-130	7	0-30	

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.
1680 Rogers Avenue
San Jose, CA 95112-1105

Date Received: N/A
Work Order No: 08-04-1742

Project: 1801 Santa Rita Rd., Pleasanton, CA

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Extracted	Date Analyzed	LCS % REC	LCSD % REC	%REC CL	RPD	RPD CL	Qual
HEM - SGT: Oil and Grease	EPA 1664A	099-05-121-1,206	N/A	04/22/08	91	88	64-132	3	0-34	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-04-1742

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.

Shell Oil Products Chain Of Custody Record

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

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

Print Bill To Contact Name: Denis Brown
PO #
INCIDENT # (ENV. SERVICES): 9 7 6 1 5 9 6 4
☐ CHECK IF NO INCIDENT # APPLIES
SAP #
DATE: 4/17/08
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services
LOG CODE: BTSS
SITE ADDRESS: Street and City: 1801 Santa Rita Rd., Pleasanton
State: CA
GLOBAL ID NO.: T0600144714
ADDRESS: 1680 Rogers Ave, 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.: BTS # 080417-WL1
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): Will Comple
LAB USE ONLY: 04-1742

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND
☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :
CC Elisabeth Silver esilver@deltaenv.com with final report
Run TPHd and Total Oil and Grease with Silica Gel Clean Up

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE HCL	HNO3	H2SO4	NONE	OTHER	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	Oil + grease 1664A	TEMPERATURE ON RECEI, C° / Container PID Readings or Laboratory Notes
1	MW-1	4/17	1020	W	3			2		5	X	X	X	X											
2	MW-1A		1340		3		1	2		6	X	X	X	X						X	X			X	
3	MW-2		1300		3			2		5	X	X	X	X											
4	MW-3		1225		3			2		5	X	X	X	X											
5	MW-4		1105		3			2		5	X	X	X	X											
6	MW-4A		1405		3			2		5	X	X	X	X						X	X				
7	MW-5		1320		3			2		5	X	X	X	X						X	X				
8	MW-6		1125		3			2		5	X	X	X	X						X	X				

	Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
1		(Sample Custodian)	4/17/08	1540
2			4/18/08	1435
3	(+ GR)		4/19/08	9:50

05/2/06 Revision

GSO# 509889395

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 04 - 1742

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech DATE: 4/19/08

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):

_____ °C Temperature blank.
3.4 °C IR thermometer.
_____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

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

Initial: [signature]

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: [signature]

COMMENTS: