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Alameda County
Environmental Health

February 13, 2009
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: FOURTH 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 US (SHELL), Delta Consultants (DELTA) has prepared this *Fourth Quarter 2008 Groundwater Monitoring Report* for the 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

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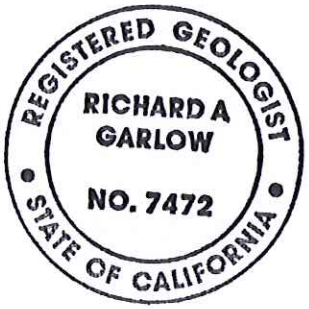
If you have any questions regarding this site, please contact Ms. Regina Bussard (DELTA) at (408) 826-1876 or Mr. Denis Brown (SHELL) at (707) 865-0251.

Sincerely,
Delta Consultants

Regina Bussard, P.G.
Project Manager

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



Attachment: Fourth Quarter 2008 Groundwater Monitoring Report

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

February 13, 2009

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.:	Regina Bussard / (408) 826-1876
Primary Agency / Regulatory ID No.:	Alameda County Environmental Health (ACEH) / Mr. Jerry Wickham
Other Agencies to Receive Copies:	None

WORK PERFORMED THIS QUARTER (FOURTH - 2008):

1. Quarterly groundwater monitoring and sampling. Submitted quarterly report
2. Measured total dissolved solids (TDS) in groundwater to evaluate an interconnection between "shallow" and "deep" zones.

WORK PROPOSED FOR NEXT QUARTER (FIRST - 2009):

1. Quarterly groundwater monitoring and sampling. 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:	206.9 gallons were recovered on October 14, 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

February 13, 2009

SHELL QUARTERLY STATUS REPORT (CONT.)

Approximate Depth to Groundwater:	47.21 to 48.71 feet below top of well casing
Groundwater Gradient:	South-southwest at approximately 0.007 ft/ft in the shallow zone. South-west at approximately 0.003 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 suggests an approximate 5 to 8 foot seasonal difference in groundwater elevation beneath the site.
TPH-G concentrations decreased in well MW-4A from 570 µg/l to 70 µg/l.
TDS were measured in the groundwater samples collected this quarter to evaluate the interconnectedness between the "shallow" and "deep" water-bearing zones; the results were inconclusive.

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 – Groundwater 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)	1,2 DCA	EDB	TBA (ug/L)	Disovled solids (mg/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	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	NA	NA	<50	NA	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	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	342.10	56.51	285.59
MW-1	2/27/2006	NA	NA	NA	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	NA	NA	<10.0	NA	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	NA	NA	<10.0	NA	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	NA	NA	<10.0	NA	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	NA	NA	<20	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	342.10	36.51	305.59
MW-1	7/2/2008	<50	84 h,k	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	<10	NA	342.10	41.90	300.20
MW-1	**10/14/2008**	**<50**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**NA**	**NA**	**<10**	**666**	**342.10**	**48.71**	**293.39**
MW-1A	2/23/2006	NA	NA	NA	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	NA	NA	12.5	NA	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	NA	NA	<10.0	NA	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	NA	NA	19.1	NA	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	NA	NA	<10.0	NA	341.72	44.22	297.50
MW-1A	1/19/2007	<50	64 c	<0.50	<0.50	<0.50	<0.50	15	<0.50	<0.50	<0.50	NA	NA	24	NA	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	NA	NA	<10	NA	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	NA	NA	63	NA	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	NA	NA	29	NA	341.72	39.89	301.83

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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)	1,2 DCA	EDB	TBA (ug/L)	Disovled solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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	NA	NA	<10	NA	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	NA	NA	24	NA	341.72	36.13	305.59
MW-1A	7/2/2008	110	200 h,k	<0.50	<1.0	<1.0	<1.0	65	<2.0	<2.0	<2.0	<0.50	<1.0	75	NA	341.72	41.28	300.44
MW-1A	**10/14/2008**	**440**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**210**	**<2.0**	**<2.0**	**<2.0**	**1.5**	**<1.0**	**300**	**1,000**	**341.72**	**48.16**	**293.56**
MW-2	12/12/2002	NA	NA	NA	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	NA	NA	<50	NA	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	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	341.57	55.89	285.68
MW-2	2/27/2006	NA	NA	NA	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	NA	NA	<10.0	NA	341.57	42.56	299.01
MW-2	7/12/2006	NA	NA	NA	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	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	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	NA	NA	<10	NA	341.57	35.54	306.03
MW-2	7/6/2007	NA	NA	NA	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	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	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	NA	NA	<10	NA	341.57	35.90	305.67
MW-2	7/2/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	41.20	300.37
MW-2	**10/14/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**341.57**	**48.03**	**293.54**
MW-3	12/12/2002	NA	NA	NA	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	NA	NA	<50	NA	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	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	NA	NA	<5.0	NA	341.65	72.05	269.60

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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)	1,2 DCA	EDB	TBA (ug/L)	Disovled solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	9/15/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	341.65	55.97	285.68
MW-3	2/27/2006	NA	NA	NA	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	NA	NA	20.2	NA	341.65	42.67	298.98
MW-3	7/12/2006	NA	NA	NA	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	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	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	NA	NA	<10	NA	341.65	35.72	305.93
MW-3	7/6/2007	NA	NA	NA	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	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	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	NA	NA	<10	NA	341.65	36.02	305.63
MW-3	7/2/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	41.35	300.30
MW-3	**10/14/2008**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**341.65**	**48.24**	**293.41**
MW-4	12/12/2002	NA	NA	NA	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	NA	NA	<50	NA	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	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	340.68	77.57	263.11
MW-4	12/31/2003	<50	<50	<0.50	0.64	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	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	NA	NA	<5.0	NA	340.68	55.05	285.63
MW-4	2/27/2006	NA	NA	NA	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	NA	NA	<10.0	NA	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	NA	NA	<10.0	NA	340.68	43.34	297.34

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)	1,2 DCA	EDB	TBA (ug/L)	Disovled solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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	NA	NA	<10.0	NA	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	NA	NA	<20	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	340.68	35.03	305.65
MW-4	7/2/2008	<50	59 h,k	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	<10	NA	340.68	40.53	300.15
MW-4	**10/14/2008**	**<50**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<2.0**	**<2.0**	**NA**	**NA**	**<10**	**686**	**340.68**	**47.43**	**293.25**
MW-4A	2/23/2006	NA	NA	NA	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	NA	NA	<10.0	NA	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	NA	NA	<10.0	NA	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	NA	NA	32.2	NA	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	NA	NA	<10.0	NA	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	NA	NA	<100	NA	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	NA	NA	44	NA	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	NA	NA	72	NA	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	NA	NA	200	NA	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	NA	NA	310	NA	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	NA	NA	220	NA	340.77	35.21	305.56
MW-4A	7/2/2008	570	110 h,k	5.1	<1.0	<1.0	<1.0	120	<2.0	<2.0	<2.0	7.6	<1.0	640	NA	340.77	40.48	300.29
MW-4A	**10/14/2008**	**70**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**6.4**	**<2.0**	**<2.0**	**<2.0**	**<0.50**	**<1.0**	**14**	**814**	**340.77**	**47.50**	**293.27**
MW-5	2/23/2006	NA	NA	NA	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	NA	NA	<10.0	NA	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	NA	NA	<10.0	NA	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	NA	NA	<10.0	NA	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	NA	NA	<10.0	NA	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	NA	NA	<20	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	340.86	42.95	297.91

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)	1,2 DCA	EDB	TBA (ug/L)	Disovled solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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	NA	NA	<10	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	340.86	35.42	305.44
MW-5	7/2/2008	<50	<50 k	<0.50	<1.0	<1.0	<1.0	3.2	<2.0	<2.0	<2.0	<0.50	<1.0	<10	NA	340.86	40.66	300.20
MW-5	**10/14/2008**	**59**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**22**	**<2.0**	**<2.0**	**<2.0**	**<0.50**	**<1.0**	**<10**	**963**	**340.86**	**47.60**	**293.26**
MW-6	9/12/2007	NA	NA	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	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	NA	NA	<10	NA	340.34	34.95	305.39
MW-6	7/2/2008	Well Inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.34	NA	NA
MW-6	**10/14/2008**	**<50**	**<50 k**	**<0.50**	**<1.0**	**<1.0**	**<1.0**	**12**	**<2.0**	**<2.0**	**<2.0**	**<0.50**	**<1.0**	**<10**	**903**	**340.34**	**47.21**	**293.13**

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)	1,2 DCA	EDB	TBA (ug/L)	Disovled solids (mg/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)	1,2 DCA	EDB	TBA (ug/L)	Disovled solids (mg/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.

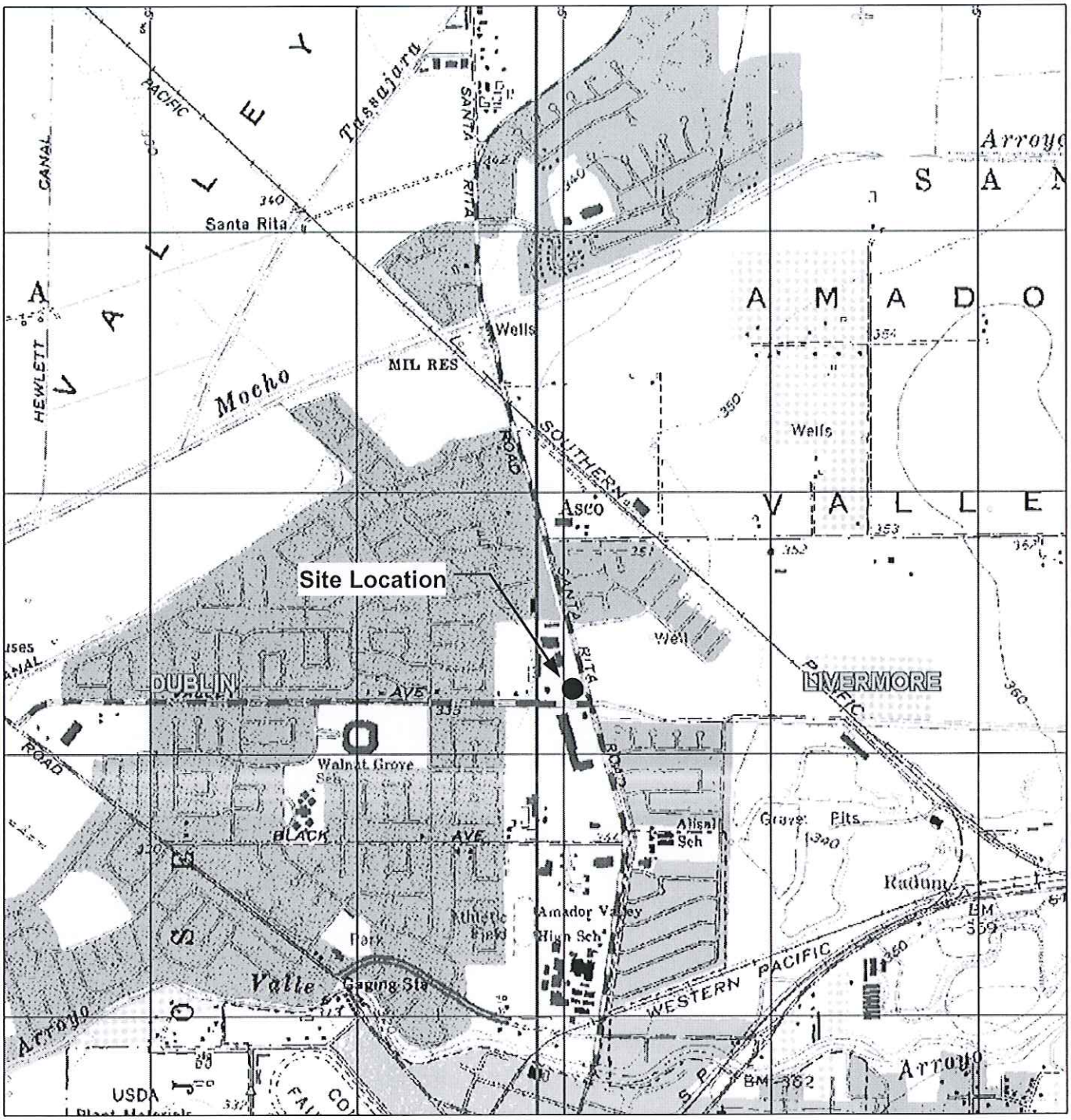
k = The sample extract was subjected to Silica Gel treatment prior to analysis.

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



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

North

QUADRANGLE LOCATION

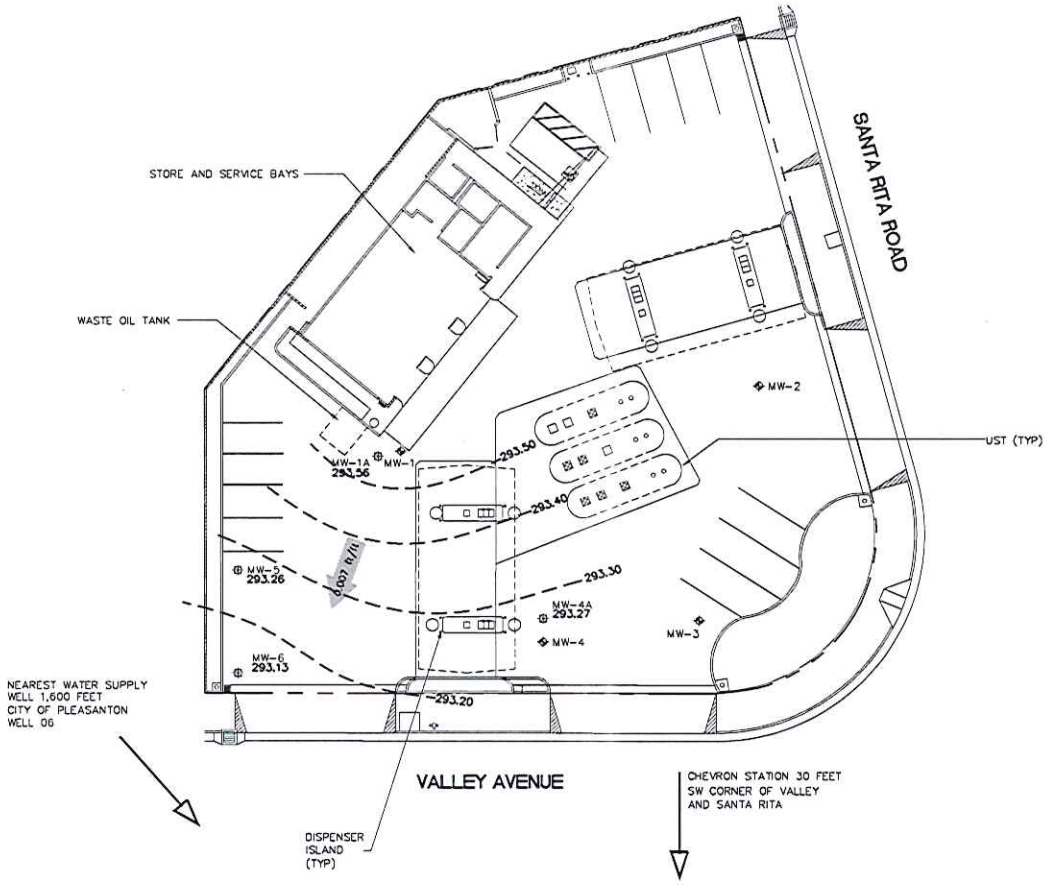
0 1,800 3,600
Scale, Feet

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)
293.56	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
293.50	GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=0.10 FEET
0.007 ft/ft	APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)

DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
KCD 11/13/2008			SCA1801S1

0 15 30
SCALE IN FEET

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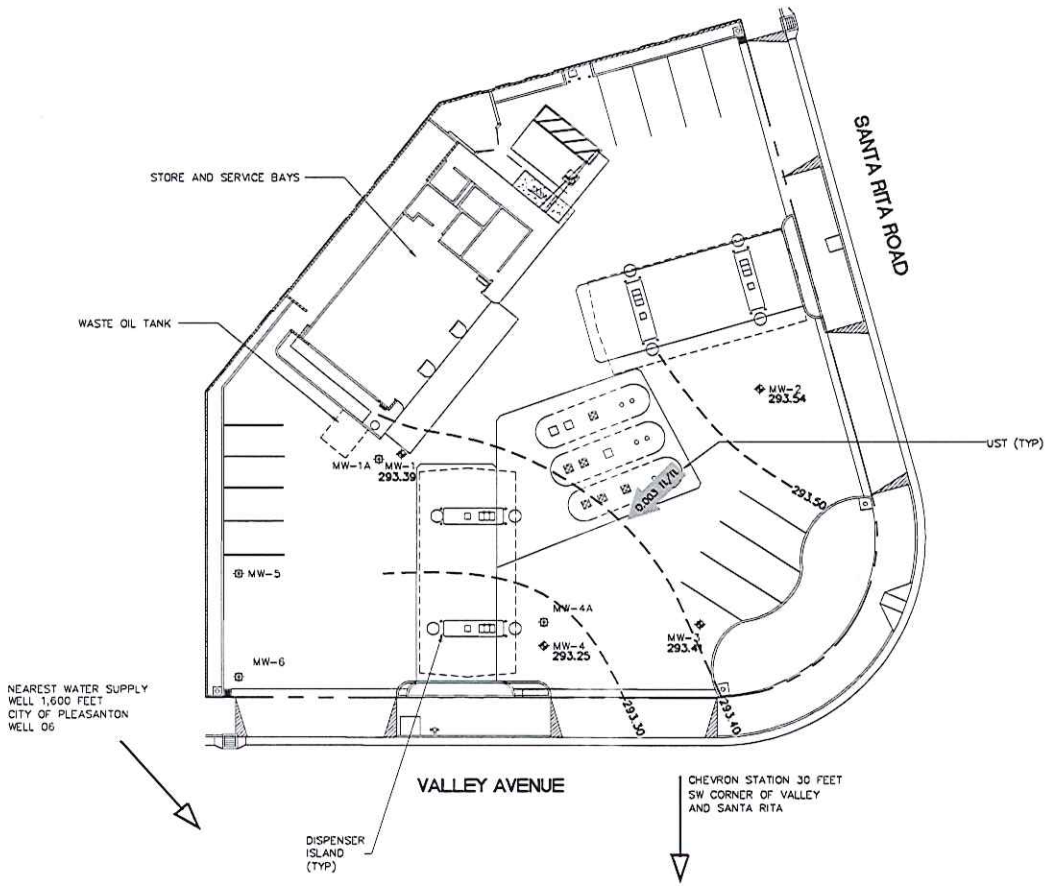
SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP
(SHALLOW)
10/14/2008

1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

FILENAME: SCA1801S1_0804.DWG|FIG2_GWCONTOURS_SHALLOW



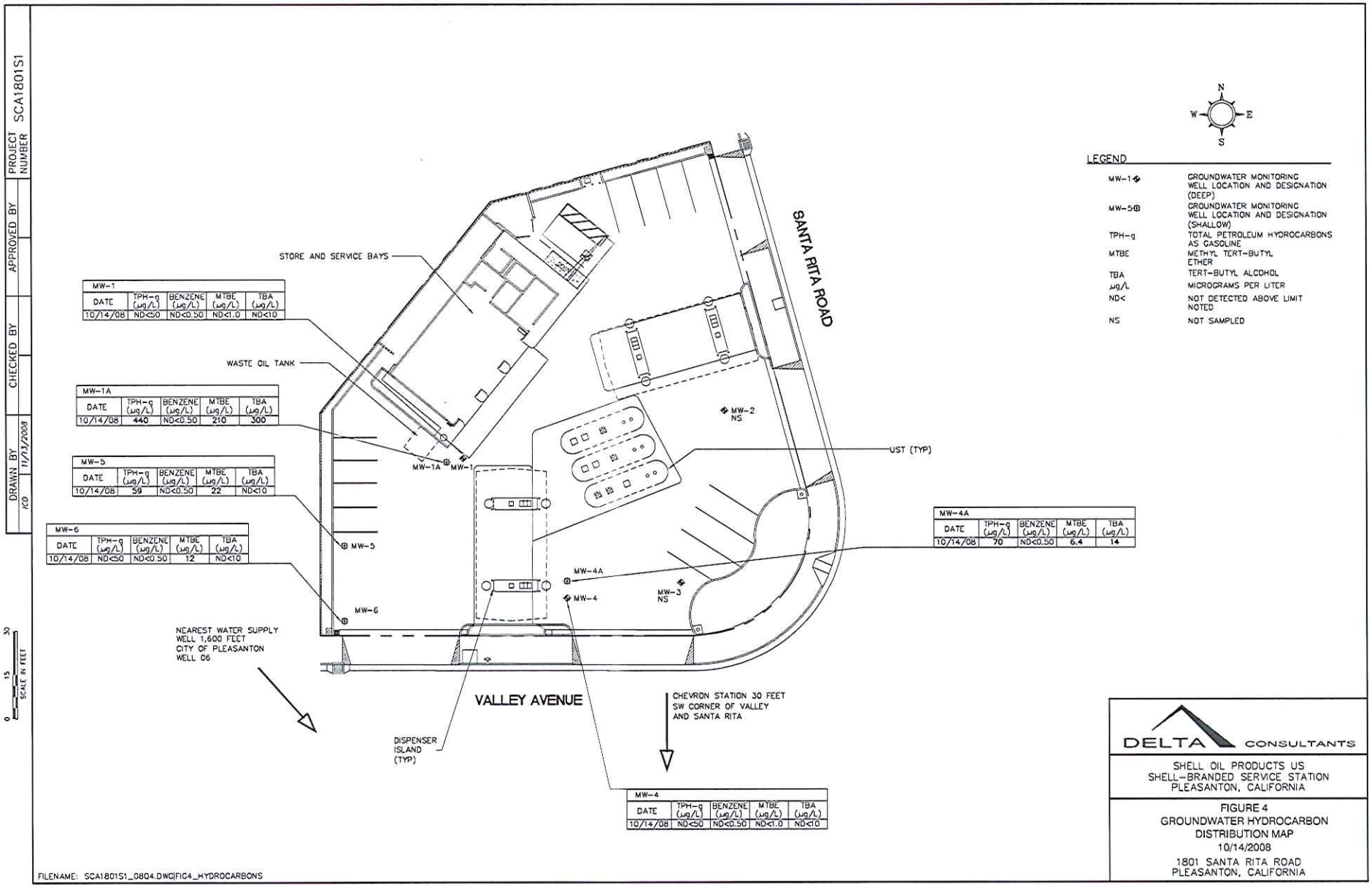
DRAWN BY	CHECKED BY	APPROVED BY	PROJECT NUMBER
ACD 11/13/2008			SCA1801S1

DELTA CONSULTANTS

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

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP
(DEEP)
10/14/2008
1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

FILENAME: SCA1801S1_0804.DWG|FIG3_GWCONTOURS_DEEP


PROJECT NUMBER SCA1801S1
APPROVED BY
CHECKED BY
DRAWN BY ICD 11/13/2008
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
NS NOT SAMPLED
STORE AND SERVICE BAYS
WASTE OIL TANK
SANTA RITA ROAD
UST (TYP)
MW-1
MW-1A
MW-2 NS
MW-3 NS
MW-4
MW-4A
MW-5
MW-6
NEAREST WATER SUPPLY WELL 1,600 FEET CITY OF PLEASANTON WELL 06
VALLEY AVENUE
DISPENSER ISLAND (TYP)
CHEVRON STATION 30 FEET SW CORNER OF VALLEY AND SANTA RITA
0 15 30 SCALE IN FEET
MW-1
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
10/14/08 | 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)
10/14/08 | 440 | ND<0.50 | 210 | 300
MW-5
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
10/14/08 | 59 | ND<0.50 | 22 | ND<10
MW-6
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
10/14/08 | ND<50 | ND<0.50 | 12 | ND<10
MW-4A
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
10/14/08 | 70 | ND<0.50 | 6.4 | 14
MW-4
DATE | TPH-g (µg/L) | BENZENE (µg/L) | MTBE (µg/L) | TBA (µg/L)
10/14/08 | 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
10/14/2008
1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA
FILENAME: SCA1801S1_0804.DWG|FIG4_HYDROCARBONS

APPENDIX A

FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 1801 Santa Rita Rd. Pleasanton ca. Date 10/14/08

Job Number 081014-pc1 Technician PC, JD 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		X	X				cap broken @ lock loop - replaced
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								No tag

*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 # 080114-PC1 Date 10/14/08 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	817	4					48.71	100.35		
MW-1A	814	4					48.16	60.91		
MW-2	829	4					48.03	99.02		
MW-3	825	4					48.24	103.30		G.O.
MW-4	0818	2					~~47.39~~ 47.43 (SD)	94.39		
MW-4A	822	4					47.50	59.63		
MW-5	0806	4					47.60	54.41		
MW-6	0810	4					47.21	57.98		

SHELL WELL MONITORING DATA SHEET

BTS #: 081014-PC-1	Site: 97615964
Sampler: PC, JO	Date: 10/14/08
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 100.35	Depth to Water (DTW): 48.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 59.04	

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

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

33.5 (Gals.) X 3 = 100.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
957	62.2	7.12	1454	187	33.5	
1002	61.4	7.10	1454	49.	67	
1008	60.9	7.12	1456	24	100.5	

Did well dewater? Yes (No) Gallons actually evacuated: 101

Sampling Date: 10/14/08 Sampling Time: 1015 Depth to Water: 48.16

Sample I.D.: MW-1 Laboratory: STL Other Calscience

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 081014-PC1	Site: 97615964
Sampler: PC, JD	Date: 10/14/08
Well I.D.: MW-1A	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 60.91	Depth to Water (DTW): 48.16
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]: 50.71	

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

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

8.3 (Gals.) X	3	= 24.9 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
1046	63.8	7.04	1678	945	8.3	
1048	64.6	7.00	1736	443	16.6	
~~1049~~ 1050	64.1	7.06	1677	294	24.9	

Did well dewater? Yes (No) Gallons actually evacuated: 24.9

Sampling Date: 10/14/08 Sampling Time: 1058 Depth to Water: 48.27

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Lead (Pb)

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 #: 081014-PC1	Site: 97615964
Sampler: PC, JO	Date: 10/14/08
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 94.39	Depth to Water (DTW): 47.43
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]: 56.82	

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

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

7.5 (Gals.) X	3	=	22.5 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
912	62.2	7.04	1386	>1000	7.5	
917	64.0	7.03	1380	>1000	15.0	
922	62.5	7.05	1385	>1000	22.5	

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 10/14/08 Sampling Time: 938 Depth to Water: 47.58

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 080114-PC1	Site: 97615964
Sampler: PC, JD	Date: 10/14/08
Well I.D.: MW-4A	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 59.13	Depth to Water (DTW): 47.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 49.92	

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

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

7.9 (Gals.) X	3	= 23.7 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
~~0~~	~~62.2~~	~~7.1~~	~~1386~~	~~>1000~~	___	
913	62.9	6.99	1592	> 1000	7.9	
914	63.5	6.97	1585	483	15.8	
915	64.3	6.98	1578	>1000	23.7	

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Date: 10/14/08 Sampling Time: 922 Depth to Water: 47.51

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 08 1014 - DC1	Site: 97615964
Sampler: PC, JD	Date: 10/14/08
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 54.41	Depth to Water (DTW): 47.60
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]: 48.96	

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: _____

4.4 (Gals.) X	3	=	13.2 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
1028	59.8	7.17	1456	7	4.4	
1029	62.7	6.98	1788	>1000	8.8	
1030	64.5	7.02	1818	>1000	13.2	

Did well dewater? Yes (No) Gallons actually evacuated: 13.5

Sampling Date: 10/14/08 Sampling Time: 1036 Depth to Water: 47.70

Sample I.D.: MW-5 Laboratory: STL Other Calscience

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 080114 - P21	Site: 97615964
Sampler: PC, JD	Date: 10/14/08
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 57.98	Depth to Water (DTW): 47.21
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]: 49.36	

Purge Method: Bailer, Disposable Bailer, Positive Air Displacement, ^Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

Sampling Method: ^ Bailer, Disposable Bailer, Extraction Port, Dedicated Tubing, Other: _____

1 Case Volume		Specified Volumes		Calculated Volume
7.0	(Gals.) X	3	=	21 Gals.

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
843	63.3	6.79	1676	>1000	7	
844	64.7	6.60	1674	>1000	14	
845	65.1	6.71	1679	>1000	21	

Did well dewater? Yes (No) Gallons actually evacuated: 21

Sampling Date: 10/14/08 Sampling Time: 850 Depth to Water: 49.36

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

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

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

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

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

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 8-14-08

Site Address 1801 Santa Rita Rd.

Job Number 080814-EC2 Technician EC

Site Status Shell (Branded Station) Vacant Lot Other

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

Notes

PROJECT MANAGER ONLY

Checklist Reviewed 8/15 Initial/Date Notes

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address: 1801 Santa Rita Rd. Date: 8-14-08

Job Number: 080814-EC2 Technician: EC Page: 1 of 2

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

SHELL WELLHEAD REPAIR FORM
(FOR REPAIR TECHNICIAN)

Site Address: 1801 Santa Rita Rd. Date: 8-14-08

Job Number: 080814-EC2 Technician: EC Page 2 of 2

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

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.

October 30, 2008

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

Subject: **Calscience Work Order No.: 08-10-1459**
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 10/16/2008 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:	10/16/08
1680 Rogers Avenue		Work Order No:	08-10-1459
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	**08-10-1459-1-E**	**10/14/08 10:15**	**Aqueous**	**GC 3**	**10/21/08**	**10/21/08 22:30**	**081021B10**

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	121	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1A	**08-10-1459-2-E**	**10/14/08 10:58**	**Aqueous**	**GC 3**	**10/21/08**	**10/21/08 23:13**	**081021B10**

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	134	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	**08-10-1459-3-E**	**10/14/08 09:38**	**Aqueous**	**GC 3**	**10/21/08**	**10/21/08 23:55**	**081021B10**

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-4A	**08-10-1459-4-E**	**10/14/08 09:22**	**Aqueous**	**GC 3**	**10/21/08**	**10/22/08 00:37**	**081021B10**

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	110	68-140			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	10/16/08
1680 Rogers Avenue		Work Order No:	08-10-1459
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-5	**08-10-1459-5-E**	**10/14/08 10:36**	**Aqueous**	**GC 3**	**10/21/08**	**10/22/08 01:20**	**081021B10**

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	139	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	**08-10-1459-6-E**	**10/14/08 08:50**	**Aqueous**	**GC 3**	**10/21/08**	**10/22/08 02:01**	**081021B10**

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	104	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-211-730**	**N/A**	**Aqueous**	**GC 3**	**10/21/08**	**10/21/08 20:29**	**081021B10**

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
Decachlorobiphenyl	123	68-140			

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	10/16/08
1680 Rogers Avenue		Work Order No:	08-10-1459
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	**08-10-1459-1-A**	**10/14/08 10:15**	**Aqueous**	**GC/MS T**	**10/18/08**	**10/18/08 13:34**	**081018L01**

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	89	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	**08-10-1459-3-A**	**10/14/08 09:38**	**Aqueous**	**GC/MS T**	**10/18/08**	**10/18/08 15:07**	**081018L01**

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	88	70-130			1,4-Bromofluorobenzene-TPPH	91	70-130		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-715-1,073**	**N/A**	**Aqueous**	**GC/MS T**	**10/18/08**	**10/18/08 13:03**	**081018L01**

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	88	70-130			1,4-Bromofluorobenzene-TPPH	91	70-130		

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	10/16/08
1680 Rogers Avenue		Work Order No:	08-10-1459
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-1A	**08-10-1459-2-A**	**10/14/08 10:58**	**Aqueous**	**GC/MS W**	**10/17/08**	**10/17/08 23:30**	**081017L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	210	5.0	5	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	300	10	1	
1,2-Dichloroethane	1.5	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	440	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	129	74-140		1,2-Dichloroethane-d4	138	74-146	
Toluene-d8	99	88-112		Toluene-d8-TPPH	100	88-112	
1,4-Bromofluorobenzene	82	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4A	**08-10-1459-4-A**	**10/14/08 09:22**	**Aqueous**	**GC/MS W**	**10/17/08**	**10/18/08 00:00**	**081017L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	6.4	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	14	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	70	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	135	74-140		1,2-Dichloroethane-d4	135	74-146	
Toluene-d8	95	88-112		Toluene-d8-TPPH	96	88-112	
1,4-Bromofluorobenzene	82	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.	Date Received:	10/16/08
1680 Rogers Avenue	Work Order No:	08-10-1459
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-5	**08-10-1459-5-A**	**10/14/08 10:36**	**Aqueous**	**GC/MS W**	**10/17/08**	**10/17/08 21:28**	**081017L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	22	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	59	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	129	74-140		1,2-Dichloroethane-d4	133	74-146	
Toluene-d8	102	88-112		Toluene-d8-TPPH	102	88-112	
1,4-Bromofluorobenzene	80	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	**08-10-1459-6-A**	**10/14/08 08:50**	**Aqueous**	**GC/MS W**	**10/17/08**	**10/18/08 00:30**	**081017L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	12	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	133	74-140		1,2-Dichloroethane-d4	142	74-146	
Toluene-d8	94	88-112		Toluene-d8-TPPH	96	88-112	
1,4-Bromofluorobenzene	79	74-110					

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

Calscience Environmental Laboratories, Inc.

Analytical Report

Blaine Tech Services, Inc.		Date Received:	10/16/08
1680 Rogers Avenue		Work Order No:	08-10-1459
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
Method Blank	**099-12-767-247**	**N/A**	**Aqueous**	**GC/MS W**	**10/17/08**	**10/17/08 20:27**	**081017L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	74-140		1,2-Dichloroethane-d4	125	74-146	
Toluene-d8	93	88-112		Toluene-d8-TPPH	94	88-112	
1,4-Bromofluorobenzene	81	74-110					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-767-252**	**N/A**	**Aqueous**	**GC/MS W**	**10/21/08**	**10/21/08 18:03**	**081021L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
Ethylbenzene	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
Toluene	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
p/m-Xylene	ND	1.0	1		TPPH	ND	50	1	
o-Xylene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	100	74-140		1,2-Dichloroethane-d4	102	74-146	
Toluene-d8	97	88-112		Toluene-d8-TPPH	96	88-112	
1,4-Bromofluorobenzene	96	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: 10/16/08
Work Order No: 08-10-1459

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-1	08-10-1459-1	10/14/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	666	1.0	1		mg/L	N/A	10/17/08	SM 2540 C

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-1A	08-10-1459-2	10/14/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
HEM - SGT: Oil and Grease	2.6	1.0	1		mg/L	N/A	10/21/08	EPA 1664A
Solids, Total Dissolved	1000	10	1		mg/L	N/A	10/17/08	SM 2540 C

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-4	08-10-1459-3	10/14/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	686	1.0	1		mg/L	N/A	10/17/08	SM 2540 C

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-4A	08-10-1459-4	10/14/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	814	1.0	1		mg/L	N/A	10/17/08	SM 2540 C

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-5	08-10-1459-5	10/14/08	Aqueous

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	963	1.0	1		mg/L	N/A	10/17/08	SM 2540 C

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: 10/16/08
Work Order No: 08-10-1459

Project: 1801 Santa Rita Rd., Pleasanton, CA

Client Sample Number	Lab Sample Number	Date Collected	Matrix
MW-6	**08-10-1459-6**	**10/14/08**	**Aqueous**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Solids, Total Dissolved	903	1.0	1		mg/L	N/A	10/17/08	SM 2540 C

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	10/21/08	EPA 1664A
Solids, Total Dissolved	ND	1.0	1		mg/L	N/A	10/17/08	SM 2540 C

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: 10/16/08
Work Order No: 08-10-1459
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	MS/MSD Batch Number
MW-1	Aqueous	GC/MS T	10/18/08	10/18/08	081018S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	91	94	70-130	3	0-30	
Ethylbenzene	98	100	70-130	1	0-30	
Toluene	101	102	70-130	1	0-30	
p/m-Xylene	100	101	70-130	1	0-30	
o-Xylene	102	104	70-130	2	0-30	
Methyl-t-Butyl Ether (MTBE)	99	101	70-130	2	0-30	
Tert-Butyl Alcohol (TBA)	83	82	70-130	1	0-30	
Diisopropyl Ether (DIPE)	98	99	70-130	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	99	101	70-130	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	103	105	70-130	2	0-30	
Ethanol	78	81	70-130	4	0-30	

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: 10/16/08
Work Order No: 08-10-1459
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	MS/MSD Batch Number
MW-5	**Aqueous**	**GC/MS W**	**10/17/08**	**10/17/08**	**081017S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	102	88-118	0	0-7	
Carbon Tetrachloride	99	103	67-145	4	0-11	
Chlorobenzene	96	97	88-118	1	0-7	
1,2-Dibromoethane	105	109	70-130	3	0-30	
1,2-Dichlorobenzene	93	94	86-116	2	0-8	
1,1-Dichloroethene	103	107	70-130	3	0-25	
Ethylbenzene	103	105	70-130	1	0-30	
Toluene	101	101	87-123	0	0-8	
Trichloroethene	101	98	79-127	2	0-10	
Vinyl Chloride	91	98	69-129	8	0-13	
Methyl-t-Butyl Ether (MTBE)	94	101	71-131	5	0-13	
Tert-Butyl Alcohol (TBA)	94	102	36-168	9	0-45	
Diisopropyl Ether (DIPE)	101	102	81-123	2	0-9	
Ethyl-t-Butyl Ether (ETBE)	100	105	72-126	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	109	109	72-126	1	0-12	
Ethanol	95	104	53-149	9	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: 10/16/08
Work Order No: 08-10-1459
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
08-10-1608-7	Aqueous	GC/MS W	10/21/08	10/21/08	081021S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	89	89	88-118	0	0-7	
Carbon Tetrachloride	76	77	67-145	1	0-11	
Chlorobenzene	90	90	88-118	0	0-7	
1,2-Dibromoethane	97	97	70-130	0	0-30	
1,2-Dichlorobenzene	90	88	86-116	2	0-8	
1,1-Dichloroethene	98	95	70-130	3	0-25	
Ethylbenzene	89	89	70-130	0	0-30	
Toluene	91	90	87-123	1	0-8	
Trichloroethene	88	86	79-127	3	0-10	
Vinyl Chloride	99	94	69-129	5	0-13	
Methyl-t-Butyl Ether (MTBE)	106	104	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	95	95	36-168	1	0-45	
Diisopropyl Ether (DIPE)	100	98	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	104	103	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	100	100	72-126	1	0-12	
Ethanol	93	95	53-149	2	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

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

Date Received: N/A
Work Order No: 08-10-1459

Project: 1801 Santa Rita Rd., Pleasanton, CA

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Solids, Total Dissolved	SM 2540 C	08-10-1473-4	10/17/08	220	224	2	0-20	

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:	08-10-1459
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
099-12-211-730	Aqueous	GC 3	10/21/08	10/21/08	081021B10

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Diesel Range Organics	93	92	75-117	1	0-13	

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: 08-10-1459
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
099-12-715-1,073	Aqueous	GC/MS T	10/18/08	10/18/08	081018L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
TPPH	110	110	65-135	53-147	0	0-30	
Benzene	94	105	70-130	60-140	11	0-30	
Ethylbenzene	100	112	70-130	60-140	11	0-30	
Toluene	104	115	70-130	60-140	10	0-30	
p/m-Xylene	102	112	70-130	60-140	10	0-30	
o-Xylene	106	113	70-130	60-140	7	0-30	
Methyl-t-Butyl Ether (MTBE)	98	103	70-130	60-140	6	0-30	
Tert-Butyl Alcohol (TBA)	93	92	70-130	60-140	1	0-30	
Diisopropyl Ether (DIPE)	97	104	70-130	60-140	7	0-30	
Ethyl-t-Butyl Ether (ETBE)	99	108	70-130	60-140	9	0-30	
Tert-Amyl-Methyl Ether (TAME)	103	112	70-130	60-140	9	0-30	
Ethanol	90	97	70-130	60-140	8	0-30	

Total number of LCS compounds : 12
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

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: 08-10-1459
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
099-12-767-247	Aqueous	GC/MS W	10/17/08	10/17/08	081017L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	106	102	84-120	78-126	4	0-8	
Carbon Tetrachloride	111	106	63-147	49-161	5	0-10	
Chlorobenzene	104	99	89-119	84-124	5	0-7	
1,2-Dibromoethane	112	113	80-120	73-127	1	0-20	
1,2-Dichlorobenzene	99	93	89-119	84-124	6	0-9	
1,1-Dichloroethene	111	109	77-125	69-133	2	0-16	
Ethylbenzene	112	105	80-120	73-127	6	0-20	
Toluene	108	101	83-125	76-132	6	0-9	
Trichloroethene	108	105	89-119	84-124	3	0-8	
Vinyl Chloride	103	98	63-135	51-147	4	0-13	
Methyl-t-Butyl Ether (MTBE)	114	109	82-118	76-124	4	0-13	
Tert-Butyl Alcohol (TBA)	103	103	46-154	28-172	0	0-32	
Diisopropyl Ether (DIPE)	107	105	81-123	74-130	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	108	105	74-122	66-130	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	118	112	76-124	68-132	5	0-10	
Ethanol	100	102	60-138	47-151	2	0-32	
TPPH	100	101	65-135	53-147	1	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

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: 08-10-1459
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
099-12-767-252	Aqueous	GC/MS W	10/21/08	10/21/08	081021L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	90	88	84-120	78-126	3	0-8	
Carbon Tetrachloride	77	79	63-147	49-161	2	0-10	
Chlorobenzene	91	87	89-119	84-124	5	0-7	ME
1,2-Dibromoethane	93	98	80-120	73-127	6	0-20	
1,2-Dichlorobenzene	88	87	89-119	84-124	2	0-9	ME
1,1-Dichloroethene	91	93	77-125	69-133	2	0-16	
Ethylbenzene	91	88	80-120	73-127	3	0-20	
Toluene	96	89	83-125	76-132	7	0-9	
Trichloroethene	96	91	89-119	84-124	5	0-8	
Vinyl Chloride	86	92	63-135	51-147	7	0-13	
Methyl-t-Butyl Ether (MTBE)	96	101	82-118	76-124	4	0-13	
Tert-Butyl Alcohol (TBA)	81	97	46-154	28-172	18	0-32	
Diisopropyl Ether (DIPE)	96	96	81-123	74-130	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	98	100	74-122	66-130	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	98	76-124	68-132	1	0-10	
Ethanol	86	95	60-138	47-151	10	0-32	
TPPH	85	93	65-135	53-147	10	0-30	

Total number of LCS compounds : 17
Total number of ME compounds : 2
Total number of ME compounds allowed : 1
LCS ME CL validation result : Not Pass

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: 08-10-1459

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	099-05-121-1,223	N/A	10/21/08	92	88	64-132	5	0-34	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-10-1459

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.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

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

INCIDENT # (ENV SERVICES): 97615964

☐ CHECK IF NO INCIDENT # APPLIES

DATE: 10/14/08

PAGE: 1 of 1

PO # | SAP #

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: 081014-PC1
BTS #

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

SAMPLER NAME(S) (Print): P-Cornish, J Ortiz

LAB USE ONLY: 10-1459

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

TURNAROUND TIME (CALENDAR DAYS):
☑ STANDARD (14 DAY) ☐ 5 DAYS ☐ 3 DAYS ☐ 2 DAYS ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES :

CC Ellsabeth 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)		TDS		Total Oil & Grease 1664M			TEMPERATURE ON RECEI. C° / Container PID Readings or Laboratory Notes
1	MW-1	10/14/08	1015	W	X			X		6	X	X	X	X						X					X		X			
2	MW-1A		1058	W	X		X	X		7	X	X	X	X						X	X				X		X			
3	MW-4		938	W	X			X		6	X	X	X	X											X					
4	MW-4A		922	W	X			X		6	X	X	X	X						X	X				X					
5	MW-5		1036	W	X			X		6	X	X	X	X						X	X				X					
6	MW-6		850	W	X			X		6	X	X	X	X						X	X				X					

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Jeff Ng		10/14/08	1535
(Sample Custodian)	Tia O'Malley CEL	10/15/08	1325
Tia O'Malley TO 650 10/15/08 1730		10/16/08	1040

510550667

05/2/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-10-1459

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Blaine Tech DATE: 10/16/08

TEMPERATURE:

Temperature 3.6 °C + 1.8 °C (CF) = 5.4 °C **Blank** ☑ **Sample** ☐

Samples outside temperature criteria but received on ice/chilled on same day of sampling ☐

Received at ambient temperature, placed on ice for transport by Courier ☐

Ambient Temperature (For Air & Filter Only) ☐ Initial: JP

CUSTODY SEALS INTACT:

☐ Sample ☐ Cooler ☐ No (Not Intact) ☑ Not Present Initial: JP

SAMPLE CONDITION:

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

If you marked "NO" for any of the items complete a Sample Receipt Anomaly form.

CONTAINER TYPE:

Soil: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☑VOAh ☐$VOANa_2$ ☐125AGB ☐125AGBh ☐$125AGBpo_4$ ☐1AGB ☐$1AGBna_2$ ☑1AGBs ☑500AGB ☐500AGBs ☐250CGB ☐250CGBs ☑1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐$100PBna_2$ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® ☐_____

Checked/Labeled by: PS

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

Reviewed by: WSC

Scanned by: PS