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Alameda County
Environmental Health



Shell Oil Products US

February 12, 2010

**Re: Fourth Quarter 2009 Semiannual
Groundwater Monitoring Report**
Shell-Branded Service Station
1801 Santa Rita Road
Pleasanton, California

Dear Mr. Jerry Wickham:

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Sincerely,
Shell Oil Products US

A handwritten signature in black ink, appearing to read "Denis L. Brown".

Denis L. Brown
Project Manager

February 12, 2010
DELTA Project No. SCA1801S1A
SAP No. 135783

Mr. Jerry Wickham, PG, CHG
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6540

**Re: FOURTH QUARTER 2009 SEMIANNUAL
GROUNDWATER MONITORING REPORT
Shell-Branded Service Station
1801 Santa Rita Road
Pleasanton, California**



Dear Mr. Wickham:

On behalf of Shell Oil Products US (Shell), Delta Consultants (Delta) has prepared this *Fourth Quarter 2009 Semiannual Groundwater Monitoring Report* for the above referenced site. The sampling activities at the site were performed by Blaine Tech Services, Inc. (Blaine Tech) under contract to Shell and included the collection of groundwater samples and static water level measurements. Delta did not provide any oversight of Blaine Tech's work or protocol. A Delta staff member, under the supervision of a California Registered Civil Engineer or a California Professional Geologist, performed an evaluation of the data provided to us.

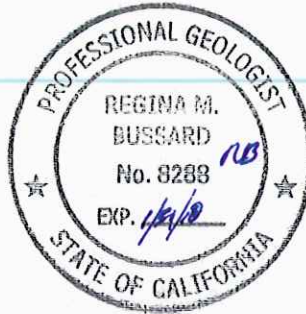
This document represents Delta's professional opinions based upon the currently available information and is arrived at in accordance with currently acceptable professional standards. This document is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this document were performed. This document is intended only for the use of Delta's Client and anyone else specifically listed on this document. 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 document.

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



Attachment: Fourth Quarter 2009 Semiannual Groundwater Monitoring Report

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

SHELL SEMIANNUAL STATUS REPORT

Station Address:	1801 Santa Rita Road, Pleasanton, California
DELTA Project No.:	SCA1801S1A
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.:	ACEH / Mr. Jerry Wickham
Other Agencies to Receive Copies:	None

WORK PERFORMED THIS PERIOD (THIRD AND FOURTH QUARTERS - 2009):

1. Quarterly groundwater monitoring and sampling on **October 6, 2009**. Submitted quarterly report.

WORK PROPOSED FOR NEXT PERIOD (FIRST AND SECOND QUARTERS - 2010):

1. Semi-annual groundwater monitoring and sampling. Submit semi-annual report.

Current Phase of Project:	Groundwater monitoring.
Site Use:	Shell-branded service station
Frequency of Sampling:	Semi-Annual – Wells MW-1, MW-1A, MW-4, MW-4A, MW-5, and MW-6 Annual – Wells MW-2 and MW-3
Frequency of Monitoring:	Semi-Annual – Wells MW-1, MW-1A, MW-2, MW-3, MW-4, MW-4A, MW-5 and MW-6
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Cumulative SPH Recovered to Date:	NA
SPH Recovered This Quarter :	None
Cumulative Groundwater Recovered to Date:	NA
Groundwater Recovered This Quarter:	77.1 gallons were recovered on October 6, 2009
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

SHELL SEMIANNUAL STATUS REPORT (CONT.)

Approximate Depth to Groundwater:	54.16 to 57.10 feet below top of casing in the shallow wells (very little water found in shallow wells – measured depths may not be representative of groundwater level) 59.10 to 60.70 feet below top of casing in the deep wells
Groundwater Gradient:	Undetermined in the shallow zone. Northwest at approximately 0.003 ft/ft in the deep zone.
Current Agency Correspondence:	ACEH letter dated July 14, 2009 included as Attachment A
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:	Wells MW-1A, MW-4A, MW-5, and MW-6 had insufficient water for sampling

Discussion:

An increased concentration of 72 micrograms per liter total extractable petroleum hydrocarbons (TEPH) was detected in Well MW-4 during the sampling event on October 6, 2009. The laboratory noted that the chromatogram for the sample did not match the standard for the given compound.

ATTACHMENTS:

Figures:

Figure 1 – Site Location Map

Figure 2 – Groundwater Elevation Map (Shallow) – 10/6/2009

Figure 3 – Groundwater Elevation Contour Map (Deep) – 10/6/2009

Figure 4 – Groundwater Hydrocarbon Distribution Map – 10/6/2009

Table:

Table 1 – Well Concentrations

Appendices:

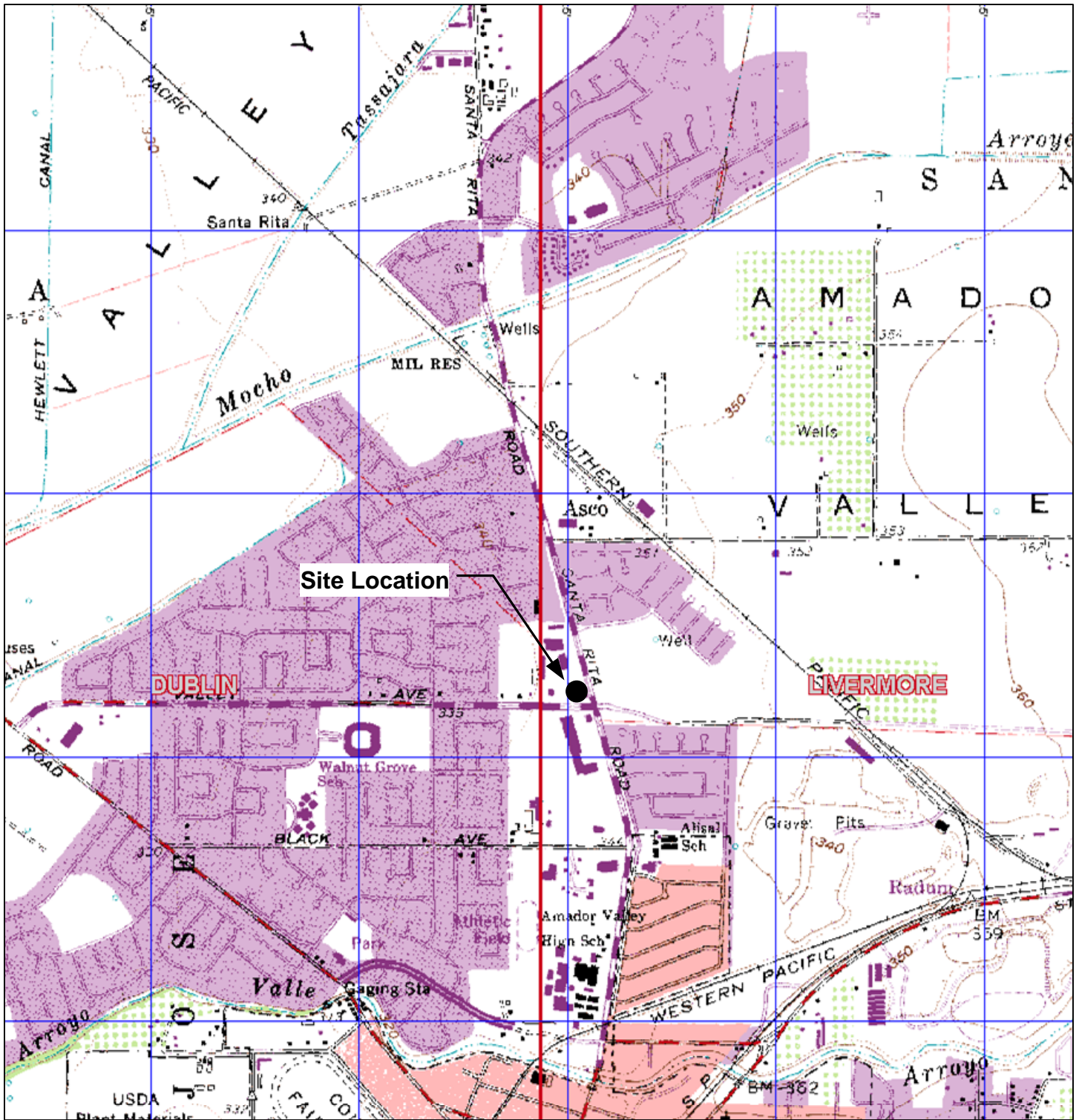
Appendix A – Regulatory Letter

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

Appendix C – Blaine Tech Services, Inc. Field Procedures

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

FIGURES



Site Location

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

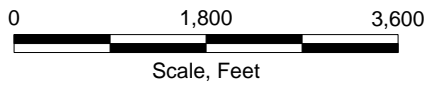
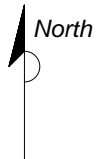


FIGURE 1
 SITE LOCATION MAP

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

PROJECT NO. SCA1801S1A	DRAWN BY VF 10/23/03
FILE NO.	PREPARED BY VF
REVISION NO.	REVIEWED BY



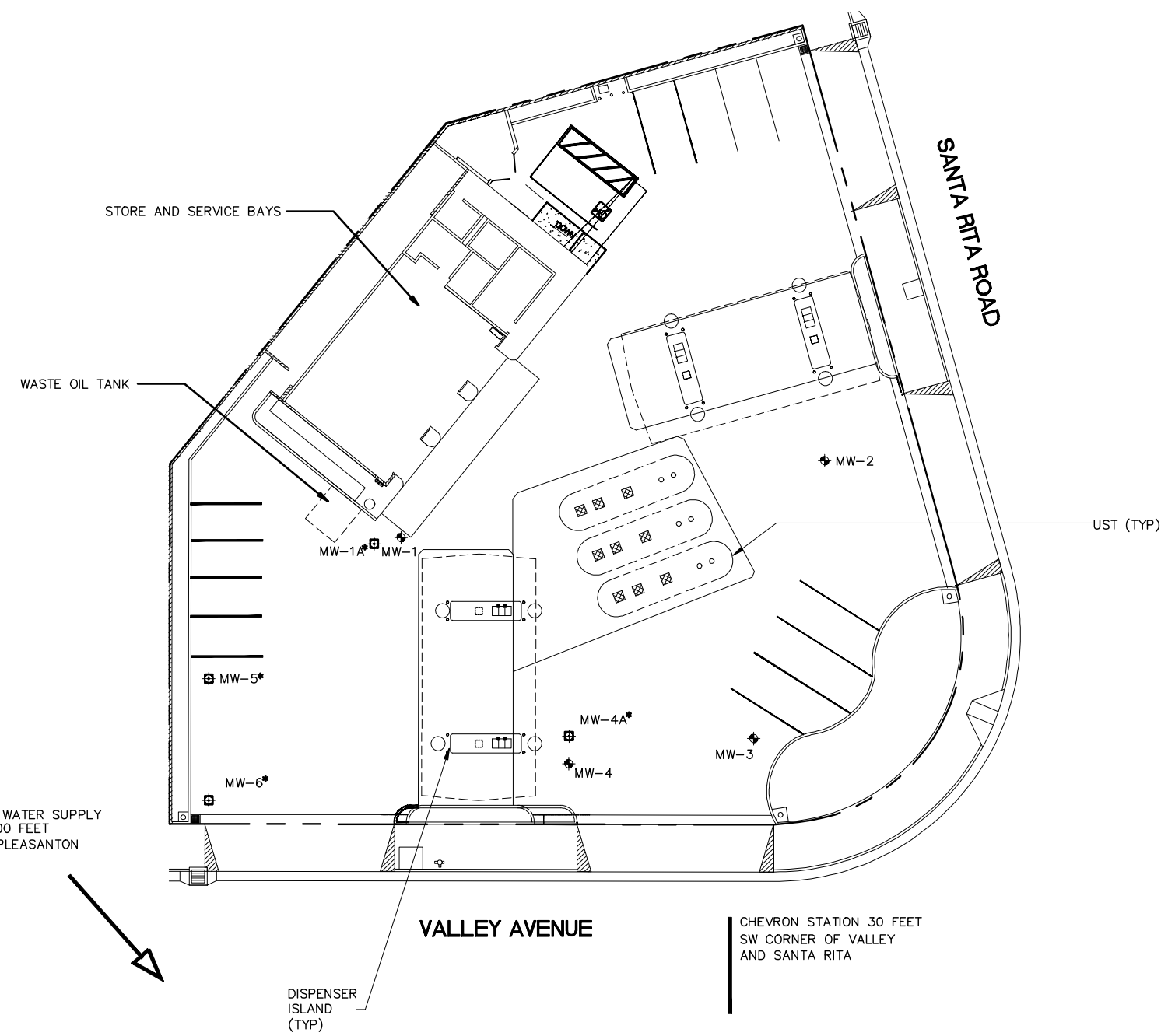
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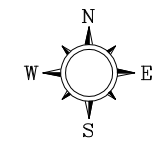
CHECKED BY

11/25/2009
J.F.F.

SCALE IN FEET
0 15 30



NEAREST WATER SUPPLY WELL 1,600 FEET CITY OF PLEASANTON WELL 06

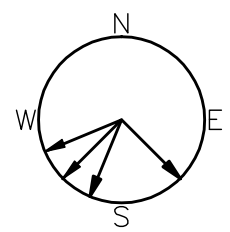


LEGEND

- MW-1 ◆ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DEEP)
- MW-5 ⊞ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (SHALLOW)
- 296.87 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
- 296.80 - - - GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=0.10 FEET
- * INSUFFICIENT WATER FOR SAMPLING. DATA NOT USED.

HISTORIC GROUNDWATER FLOW DIRECTION

DATE	FLOW DIRECTION
3/31/2003	WSW
6/26/2003	SE
9/15/2003	SW
12/31/2003	SSW
3/8/2004	WSW
4/14/2005	WSW
10/20/2005	WNW
2/27/2006	SW
4/19/2006	SW
1/19/2007	SE
4/3/2007	SW
10/25/2007	SW
1/10/2008	SSW
4/17/2008	SW
7/2/2008	SSW
10/14/2008	SSW
1/5/2009	SSW
4/14/2009	SSW
10/6/2009	



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SHELL-BRANDED SERVICE STATION
PLEASANTON, CALIFORNIA

FIGURE 2
GROUNDWATER ELEVATION MAP (SHALLOW)
10/6/2009

1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

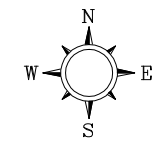
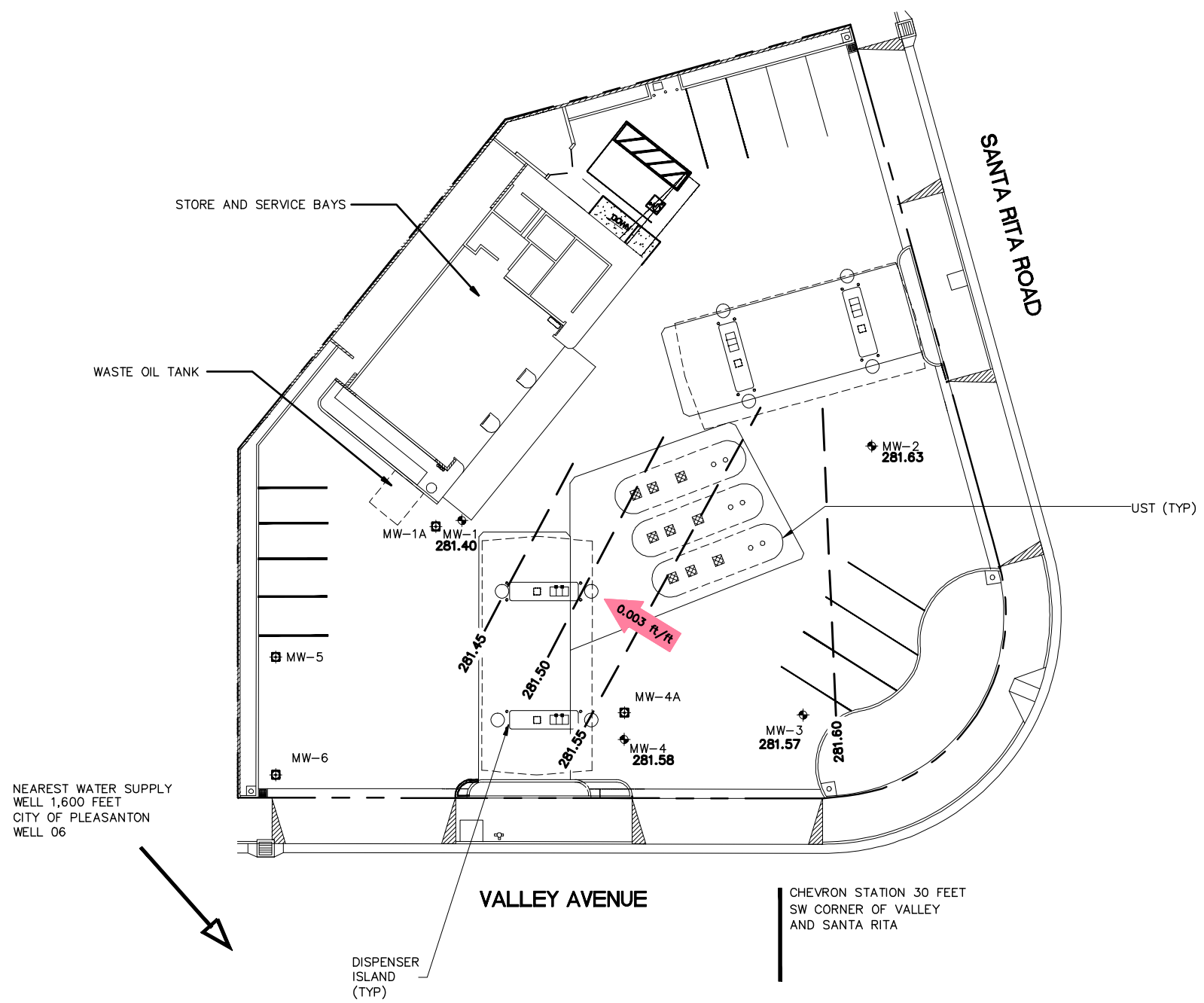
PROJECT NUMBER SCA1801S1A

APPROVED BY

CHECKED BY

DRAWN BY J.F.F. 11/25/2009

SCALE IN FEET
0 15 30



LEGEND

- MW-1 (diamond symbol) GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (DEEP)
- MW-5 (square symbol) GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION (SHALLOW)
- 296.90 GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL)
- 281.58 (dashed line) GROUNDWATER CONTOUR IN FEET ABOVE MEAN SEA LEVEL (Ft/MSL) CONTOUR INTERVAL=0.05 FEET
- 0.003 ft/ft (pink arrow) APPROXIMATE GROUNDWATER GRADIENT DIRECTION (ft/ft)



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PLEASANTON, CALIFORNIA

FIGURE 3
GROUNDWATER ELEVATION CONTOUR MAP (DEEP)
10/8/2009

1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PROJECT NUMBER SCA1801S1A

APPROVED BY

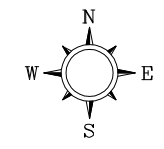
CHECKED BY

11/25/2009
J.F.F.

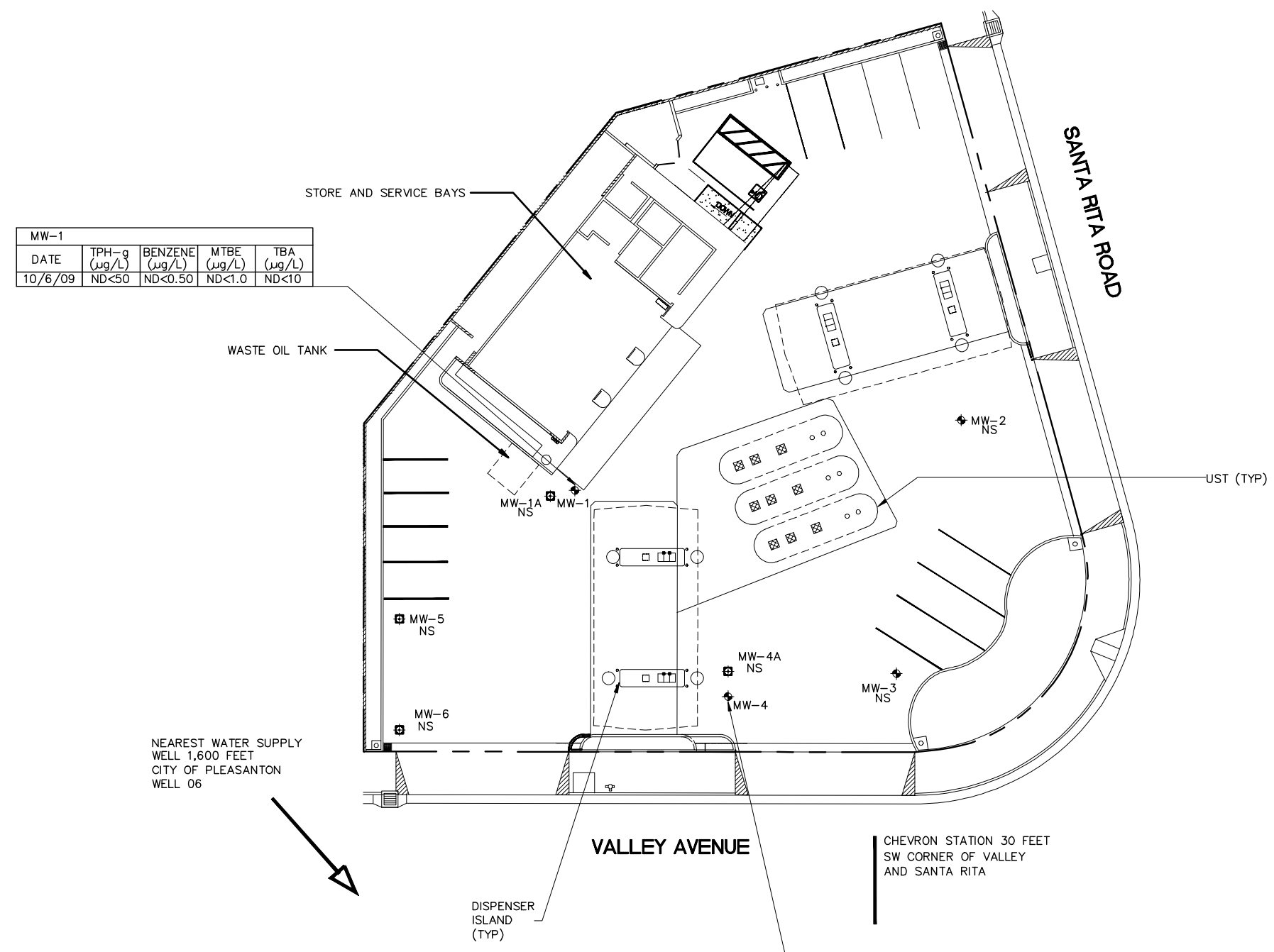
SCALE IN FEET
0 15 30

MW-1				
DATE	TPH-g ($\mu\text{g/L}$)	BENZENE ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
10/6/09	ND<50	ND<0.50	ND<1.0	ND<10

MW-4				
DATE	TPH-g ($\mu\text{g/L}$)	BENZENE ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
10/6/09	ND<50	ND<0.50	ND<1.0	ND<10



- 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
 - $\mu\text{g/L}$ MICROGRAMS PER LITER
 - ND< NOT DETECTED ABOVE LIMIT NOTED
 - NS NOT SAMPLED



NEAREST WATER SUPPLY WELL 1,600 FEET
CITY OF PLEASANTON WELL 06



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

FIGURE 4
GROUNDWATER HYDROCARBON
DISTRIBUTION MAP
10/6/2009

1801 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

TABLE

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	Total Oil & Grease (mg/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 (ug/L)	EDB (ug/L)	TBA (ug/L)	Total Dissolved Solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-1	12/12/2002	NA	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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	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	NA	342.10	45.93	296.17
MW-1	4/19/2006	<50.0	<47.2 c	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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-1	1/5/2009	<50	300 h,k	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	<10	NA	342.10	45.40	296.70
MW-1	4/14/2009	<50	<50 c	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	<10	NA	342.10	42.92	299.18
MW-1	10/6/2009	<50	<50 k	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	<10	NA	342.10	60.70	281.40

MW-1A	2/23/2006	NA	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	NA	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	NA	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	<5.21	<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	3.7	<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	<2.4	<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	2.3	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	1.3	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	<1.0	<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

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	Total Oil & Grease (mg/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 (ug/L)	EDB (ug/L)	TBA (ug/L)	Total Dissolved Solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1A	1/10/2008	<50 i	100 h,k	<1.0	<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	<1.0	<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	3.0	<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	2.6	<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-1A	1/5/2009	430	<50 k	1.5	<0.50	<1.0	<1.0	<1.0	290	<2.0	<2.0	<2.0	2.3	<1.0	710	NA	341.72	44.85	296.87
MW-1A	4/14/2009	180	<50 c	2.4	<1.0	<2.0	<2.0	<2.0	80	<4.0	<4.0	<4.0	<1.0	<2.0	120	NA	341.72	42.40	299.32
MW-1A	10/6/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.72	57.10	284.62
MW-2	12/12/2002	NA	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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	341.57	45.30	296.27
MW-2	4/19/2006	<50.0	80.1 c	NA	<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	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	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	NA	341.57	38.79	302.78
MW-2	4/3/2007	<50 i	190 c	NA	<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	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	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	NA	341.57	35.95	305.62
MW-2	4/17/2008	<50	57 k	NA	<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	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	NA	341.57	48.03	293.54
MW-2	1/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	44.67	296.90
MW-2	4/14/2009	<50	<50 c	NA	<0.50	<1.0	<1.0	<1.0	1.0	<2.0	<2.0	<2.0	NA	NA	<10	NA	341.57	42.25	299.32
MW-2	10/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.57	59.94	281.63
MW-3	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.49	NA

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	Total Oil & Grease (mg/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 (ug/L)	EDB (ug/L)	TBA (ug/L)	Total Dissolved Solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	12/20/2002	<50	<50	NA	<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	NA	<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	NA	<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
MW-3	9/15/2003	<50	<50	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	341.65	45.45	296.20
MW-3	4/19/2006	<50.0	200 c	NA	<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	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	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	NA	341.65	38.98	302.67
MW-3	4/3/2007	<50 i	140 c	NA	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	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	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	NA	341.65	36.12	305.53
MW-3	4/17/2008	<50	95 k	NA	<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	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	NA	341.65	48.24	293.41
MW-3	1/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	44.79	296.86
MW-3	4/14/2009	<50	73 c	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	<10	NA	341.65	42.35	299.30
MW-3	10/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	341.65	60.08	281.57
MW-4	12/12/2002	NA	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	NA	<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	NA	<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	NA	<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	NA	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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	Total Oil & Grease (mg/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 (ug/L)	EDB (ug/L)	TBA (ug/L)	Total Dissolved Solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	2/27/2006	NA	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	NA	<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	NA	<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
MW-4	10/6/2006	<50.0	320 c,d	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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-4	1/5/2009	<50	<50 k	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	<10	NA	340.68	44.00	296.68
MW-4	4/14/2009	<50	<50 c	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	NA	NA	<10	NA	340.68	41.43	299.25
MW-4	10/6/2009	<50	72 h,k	NA	<0.50	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	<10	NA	340.68	59.10	281.58
MW-4A	2/23/2006	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	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	NA	<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-4A	1/5/2009	660	93 h,k	NA	1.5	<1.0	<1.0	<1.0	250	<2.0	<2.0	<2.0	4.7	<1.0	1,300	NA	340.77	44.04	296.73
MW-4A	4/14/2009	1,900	<50 c	NA	91	30	61	130	200	<2.0	<2.0	<2.0	<0.50	<1.0	1,200	NA	340.77	41.55	299.22
MW-4A	6/17/2009	170	<50	NA	<0.50	<1.0	<1.0	<1.0	88	<2.0	<2.0	<2.0	2.6	<1.0	470	NA	340.77	46.62	294.15
MW-4A	10/6/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.77	54.41	286.36
MW-5	2/23/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.86	45.10	295.76

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	Total Oil & Grease (mg/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 (ug/L)	EDB (ug/L)	TBA (ug/L)	Total Dissolved Solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-5	2/27/2006	<50.0	<50.0 c	NA	<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	NA	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	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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
MW-5	10/25/2007	<50 i	<50 c	NA	<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	NA	<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	NA	<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	NA	<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	NA	<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-5	1/5/2009	<50	<50 k	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<0.50	<1.0	<10	NA	340.86	44.16	296.70
MW-5	4/14/2009	<50	<50 c	NA	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<0.50	<1.0	<10	NA	340.86	41.73	299.13
MW-5	10/6/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.86	54.21	286.65
MW-6	9/12/2007	NA	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	NA	<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	NA	<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	NA	<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	NA	<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	NA	340.34	NA	NA
MW-6	10/14/2008	<50	<50 k	NA	<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
MW-6	1/5/2009	<50	<50 k	NA	<0.50	<1.0	<1.0	<1.0	15	<2.0	<2.0	<2.0	<0.50	<1.0	<10	NA	340.34	43.86	296.48
MW-6	4/14/2009	81	<50 c	NA	<0.50	<1.0	<1.0	<1.0	25	<2.0	<2.0	<2.0	<0.50	<1.0	13	NA	340.34	41.30	299.04
MW-6	10/6/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.34	54.16	286.18

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	Total Oil & Grease (mg/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 (ug/L)	EDB (ug/L)	TBA (ug/L)	Total Dissolved Solids (mg/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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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)	Total Oil & Grease (mg/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 (ug/L)	EDB (ug/L)	TBA (ug/L)	Total Dissolved 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.

APPENDIX A
REGULATORY LETTER

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director



RECEIVED
JUL 17 2009

BY: *YPICO*

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-93

July 14, 2009

Mr. Denis Brown
Shell Oil Products US
20945 S. Wilmington Ave.
Carson, CA 90810-1039

Subject: Groundwater Sampling Frequency Reductions in Response to State Water Resources Control Board Resolution No. 2009-0042

Dear Mr. Brown:

Alameda County Environmental Health (ACEH) staff has reviewed your proposal to reduce groundwater monitoring frequency as summarized in the attached table. This table was submitted to ACEH via email on July 13, 2009. In accordance with State Water Resources Control Board Resolution No. 2009-0042, your proposal to reduce sampling frequencies and modify analytes as proposed for the sites listed in the attached table, is acceptable. Please submit groundwater monitoring reports no later than 45 days following the end of the quarter in which the sampling was conducted.

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at jerry.wickham@acgov.org.

Sincerely,

A handwritten signature in black ink that reads "Jerry Wickham".

Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist

Attachment: Proposed Groundwater Monitoring Frequencies

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Suzanne McClurkin-Nelson, Delta Environmental, 312 Piercy Road, San Jose, CA 95138

Regina Bussard, Delta Environmental, 312 Piercy Road, San Jose, CA 95138

Cheryl Dizon, QIC 80201, Zone 7 Water Agency, 100 North Canyons Parkway
Livermore, CA 94551

Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street
Pleasanton, CA 94566

ACEH Case Number	Site Address	City	Previous Schedule (Enter Number of Wells)					Proposed Schedule (Enter Number of Wells)					Reasons for Monthly or Quarterly Groundwater Monitoring (Check Where Applicable)							
			Monthly	Quarterly	Semiannual	Annual	Other	Monthly (Show total number of wells and list individual well designations)	Quarterly (Show total number of wells and list individual well designations)	Semiannual (Also Show Proposed Quarters 1&3 or 2&4)	Annual	Other	Assessment Incomplete	WDR Permit Required	Well Being Sampled during Remedial Action for Progress Assessment	Well Being Sampled for Free Product Evaluation and Reduction Verification	Well Being Sampled within First Year of Being Installed	Well Being Sampled for Post-Remedial Action Verification Monitoring	Well Has not Shown Reliable Consistency Yet to Warrant Reduction in Sampling Frequency	Well's Last Point of Monitoring Prior to Possible Impact to Receptor
RO0000213	11989 Dublin Boulevard	Dublin				6			6 (1/3)											
RO0000372	15275 Washington Avenue	San Leandro				4		8	4 (1/3)											
RO0002882	1801 Santa Rita Road	Pleasanton			6		2		6 (2/4)											
RO0000363	3790 Hopyard Road	Pleasanton			20				10 (1/3)											
RO0000360	4226 First Street (aka 4212)	Pleasanton			5				5 wells MW-1 MW-1B MW-2 MW-3 MW-4											
RO0000194	5251 Hopyard Road	Pleasanton			10				9 (1/3)											
RO0002522	6750 Santa Rita Road	Pleasanton			7				7 (2/4)											
RO0002744	8999 San Ramon Road	Dublin			10 to 16			6 wells destroyed in 2008 due to onsite redevelopment	9 wells MW-5 MW-5B MW-5C MW-7 MW-8 MW-8B MW-9 MW-11B MW-12											X (issues with several wells being dry or having insufficient water for sampling)

APPENDIX B
BLAINE TECH SERVICES, INC.
FIELD DATA SHEETS

SHELL WELLHEAD INSPECTION FORM

(FOR SAMPLE TECHNICIAN)

Site Address 1801 Santa Rita Rd. Pleasanton CA Date 10-06-09
 Job Number 091006 - JST Technician JO 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 # 091006 - J02 Date 10-06-09 Client Shell

Site 1501 Santa Rita Rd. Pleasanton CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1215	4					60.70	91.70	↓	S
MW-1A	1218	4				57.10	57.16	S		
MW-2	1224	4				59.94	93.10	GD		
MW-3	1229	4				60.06	97.05	GD		
MW-4	1231	2				59.10	94.33	S		
MW-4A	1236	4				54.41	54.52	S		
MW-5	1240	4				54.21	54.34	S		
MW-6	1244	4				54.16	54.58	S		

SHELL OIL MONITORING DATA SHEET

BTS #: <u>091006-802</u>	Site: <u>1801 Santa Rita Rd Pleasanton CA</u>
Sampler: <u>JO</u>	Date: <u>10-06-09</u>
Well I.D.: <u>MW-1</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth (TD): 50.70 <u>91.70</u>	Depth to Water (DTW): 31.70 <u>60.70</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>66.90</u>	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
Electric Submersible Other _____ Dedicated Tubing

$\underline{20.10} \text{ (Gals.)} \times \underline{3} = \underline{60.3} \text{ Gals.}$ 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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 <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1334</u>	<u>66.1</u>	<u>7.41</u>	<u>1364</u>	<u>21</u>	<u>20.1</u>	
<u>1338</u>	<u>66.3</u>	<u>7.20</u>	<u>1361</u>	<u>14</u>	<u>40.2</u>	
<u>1342</u>	<u>66.4</u>	<u>7.18</u>	<u>1358</u>	<u>9</u>	<u>60.3</u>	

Did well dewater? Yes No Gallons actually evacuated: 60.3

Sampling Date: 10-06-09 Sampling Time: 1350 Depth to Water: 61.01

Sample I.D.: MW-1 Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see CDC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

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

SHELL OIL MONITORING DATA SHEET

BTS #: <u>091006-802</u>	Site: <u>1801 Santa Rita Rd Pleasanton CA</u>
Sampler: <u>JO</u>	Date: <u>10-06-09</u>
Well I.D.: <u>MW-1A</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth (TD): <u>57.6</u>	Depth to Water (DTW): <u>57.10</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> 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: _____
---	---	--

_____ (Gals.) X <u>3</u> = _____ Gals. I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
		<u>in sufficient water</u>				

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Date: <u>10-06-09</u>	Sampling Time: _____
Sample I.D.: <u>MW-</u>	Depth to Water: _____
Laboratory: <u>CalScience</u> Columbia Other _____	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: <u>see CDC</u>	
EB I.D. (if applicable): _____ @ _____ Time	Duplicate I.D. (if applicable): _____
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____	
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

SHELL OIL MONITORING DATA SHEET

BTS #: <u>091006-202</u>	Site: <u>1801 Santa Rita Rd Pleasanton CA</u>
Sampler: <u>JO</u>	Date: <u>10-06-09</u>
Well I.D.: <u>MW-4</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>94.33</u>	Depth to Water (DTW): <u>59.10</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>66.14</u>	

Purge Method: Bailer	Watterra	Sampling Method: <u>(Bailer)</u>
Disposable Bailer	Peristaltic	Disposable Bailer
<u>Positive Air Displacement</u>	Extraction Pump	Extraction Port
Electric Submersible	Other _____	Dedicated Tubing
Other: _____		

$\frac{5.6 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{16.8}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	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
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 <u>(µS)</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1305	65.9	7.12	1331	64	5.6	
1311	65.8	7.08	1328	38	10.2	
1315	66.0	7.04	1327	44	16.8	

Did well dewater? Yes No Gallons actually evacuated: 16.8

Sampling Date: 10-06-09 Sampling Time: 1320 Depth to Water: 59.92

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see CDC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

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

SHELL OIL MONITORING DATA SHEET

BTS #: <u>091006-802</u>	Site: <u>1801 Santa Rita Rd Pleasanton CA</u>
Sampler: <u>JO</u>	Date: <u>10-06-09</u>
Well I.D.: <u>MW-4A</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>54.52</u>	Depth to Water (DTW): <u>54.41</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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: _____

<p>_____ (Gals.) X <u>3</u> = _____ Gals.</p> <p>I Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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1"	0.04	4"	0.65														
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3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
<u>Insufficient</u>		<u>under</u>				

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 10-06-09 Sampling Time: _____ Depth to Water: _____

Sample I.D.: MW Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see CDC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

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

SHELL OIL MONITORING DATA SHEET

BTS #: <u>091006-802</u>	Site: <u>1801 Santa Rita Rd Pleasanton, CA</u>
Sampler: <u>JO</u>	Date: <u>10-06-09</u>
Well I.D.: <u>MW-5</u>	Well Diameter: 2 3 <u>(4)</u> 6 8 _____
Total Well Depth (TD): <u>54.34</u>	Depth to Water (DTW): <u>54.21</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> 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

Water: Watterra Peristaltic Extraction Pump Other _____

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

<p>_____ (Gals.) X <u>3</u> = _____ Gals.</p> <p>I Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
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1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						<u>insufficient water</u>

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 10-06-09 Sampling Time: _____ Depth to Water: _____

Sample I.D.: MW- Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see CDC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

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

SHELL OIL MONITORING DATA SHEET

BTS #: <u>091006-802</u>	Site: <u>1801 Santa Rita Rd Pleasanton CA</u>
Sampler: <u>JO</u>	Date: <u>10-06-09</u>
Well I.D.: <u>MW-6</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): <u>54.56</u>	Depth to Water (DTW): <u>59.16</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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: _____

_____ (Gals.) X <u>3</u> = _____ Gals. I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						<u>insufficient water</u>

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: 10-06-09 Sampling Time: _____ Depth to Water: _____

Sample I.D.: MW- Laboratory: CalScience Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: see CDC

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

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

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

SHELL SITE INSPECTION CHECKLIST

Client Shell Date 9/24/09

Site Address 1801 Santa Rita Rd. Pleasanton

Job Number 090924-BWZ Technician BW

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 mwj 9/29 Notes _____

Initial/Date

SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Site Address 1801 Santa Rita Rd. Pleasanton
 Job Number 090924-BW2 Technician BW

Date 9/24/09
 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										All Repairs Completed	Remaining Deficiencies Logged onto BLAINE Repair Order	Remaining Deficiencies Logged onto Notice of Deficient Condition - BLAINE Unable to Repair		
					Casing	Annular Seal	Tabbs / 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)
MW-1								X									X		
	Notes: Retapped 3/2 Tabbs																		
	Well box type / size: 12" Emco Materials used: 2 bolts																		
MW-1A								X									X		
	Notes: Retapped 3/2 Tabbs																		
	Well box type / size: 12" Emco Materials used: 2 bolts																		
MW-2								X									X		
	Notes: Retapped 3/2 Tabbs																		
	Well box type / size: 12" Emco Materials used: 2 bolts																		
MW-3								X									X		
	Notes: Retapped 3/2 Tabbs																		
	Well box type / size: 12" Morrison Materials used: 2 bolts																		
MW-4								X									X		
	Notes: Heli-Coil 3/2 Tabbs																		
	Well box type / size: 12" Morrison Materials used: 2 bolts																		
MW-4A								X									X		
	Notes: Retapped 3/2 Tabbs																		
	Well box type / size: 12" Emco Materials used: 2 bolts																		
MW-5								X									X		
	Notes: Retapped 3/2 Tabbs																		
	Well box type / size: 12" Emco Materials used: 2 bolts																		

SHELL WELLHEAD REPAIR FORM

(FOR REPAIR TECHNICIAN)

Job Number 090924-BW2

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										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
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Secure by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency				
MW-6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Notes: <u>Retapped 1/2 Tabs, Tagged</u>																	
	Well box type / size: <u>12" Emco</u>									Materials used: <u>2 bolts</u>								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Notes:																	
	Well box type / size:									Materials used:								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Notes:																	
	Well box type / size:									Materials used:								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Notes:																	
	Well box type / size:									Materials used:								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Notes:																	
	Well box type / size:									Materials used:								
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Notes:																	
	Well box type / size:									Materials used:								

APPENDIX C
BLAINE TECH SERVICES, INC.
FIELD PROCEDURES

BLAINE

TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

October 23, 2009

Denis Brown
Shell Oil Products US
20945 S. Wilmington Avenue
Carson, CA 90810

Fourth Quarter 2009 Groundwater Monitoring at
Shell-branded Service Station
1801 Santa Rita Road
Pleasanton, CA

Monitoring performed on October 6, 2009

Groundwater Monitoring Report **091006-JO-2**

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

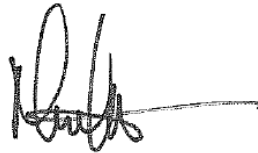
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Mike Ninokata", with a long horizontal flourish extending to the right.

Mike Ninokata
Project Manager

MN/np

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

cc: Regina Bussard
Delta Environmental
4006 148th Ave. NE
Redmond, WA. 98052

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 dewateres 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

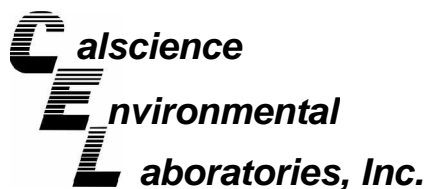
All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.

APPENDIX D

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION



October 19, 2009

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

Subject: **Calscience Work Order No.: 09-10-0587**
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 10/8/2009 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,

A handwritten signature in cursive script that reads 'Philip Samelle for'.

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

Analytical Report



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

Date Received: 10/08/09
Work Order No: 09-10-0587
Preparation: EPA 3510C
Method: EPA 8015B

Project: 1801 Santa Rita Rd., Pleasanton, CA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	09-10-0587-1-D	10/06/09 13:50	Aqueous	GC 46	10/12/09	10/14/09 00:05	091012B19

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
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	74	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	09-10-0587-2-D	10/06/09 13:20	Aqueous	GC 46	10/12/09	10/14/09 11:02	091012B19

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	72	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	100	68-140			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-211-1,376	N/A	Aqueous	GC 46	10/12/09	10/13/09 18:28	091012B19

Parameter	Result	RL	DF	Qual	Units
Diesel Range Organics	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
Decachlorobiphenyl	84	68-140			

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

Analytical Report



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

Date Received: 10/08/09
Work Order No: 09-10-0587
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA 8260B
Units: ug/L

Project: 1801 Santa Rita Rd., Pleasanton, CA

Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	09-10-0587-1-A	10/06/09 13:50	Aqueous	GC/MS R	10/13/09	10/13/09 13:15	091013L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	95	80-132			1,2-Dichloroethane-d4	99	80-141		
Toluene-d8	102	80-120			Toluene-d8-TPPH	101	88-112		
1,4-Bromofluorobenzene	95	76-120							

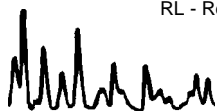
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-4	09-10-0587-2-A	10/06/09 13:20	Aqueous	GC/MS R	10/13/09	10/13/09 15:06	091013L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	92	80-132			1,2-Dichloroethane-d4	113	80-141		
Toluene-d8	106	80-120			Toluene-d8-TPPH	106	88-112		
1,4-Bromofluorobenzene	95	76-120							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-767-2,702	N/A	Aqueous	GC/MS R	10/13/09	10/13/09 12:47	091013L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
Ethylbenzene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
Toluene	ND	1.0	1		TPPH	ND	50	1	
Xylenes (total)	ND	1.0	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
Dibromofluoromethane	101	80-132			1,2-Dichloroethane-d4	100	80-141		
Toluene-d8	97	80-120			Toluene-d8-TPPH	97	88-112		
1,4-Bromofluorobenzene	78	76-120							

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





Quality Control - Spike/Spike Duplicate



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

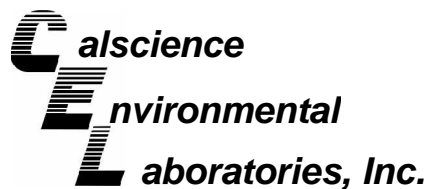
Date Received: 10/08/09
Work Order No: 09-10-0587
Preparation: EPA 5030B
Method: LUFT GC/MS / EPA
8260B

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 R	10/13/09	10/13/09	091013S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	99	72-120	5	0-20	
Carbon Tetrachloride	118	100	63-135	17	0-20	
Chlorobenzene	125	99	80-120	23	0-20	3,4
1,2-Dibromoethane	105	105	80-120	0	0-20	
1,2-Dichlorobenzene	103	96	80-120	7	0-20	
1,1-Dichloroethene	131	95	60-132	31	0-24	4
Ethylbenzene	142	101	78-120	33	0-20	3,4
Toluene	115	99	74-122	15	0-20	
Trichloroethene	108	97	69-120	11	0-20	
Vinyl Chloride	117	84	58-130	33	0-20	4
Methyl-t-Butyl Ether (MTBE)	105	81	72-126	26	0-21	4
Tert-Butyl Alcohol (TBA)	114	107	72-126	7	0-20	
Diisopropyl Ether (DIPE)	92	90	71-137	2	0-23	
Ethyl-t-Butyl Ether (ETBE)	106	105	74-128	0	0-20	
Tert-Amyl-Methyl Ether (TAME)	94	98	76-124	4	0-20	
Ethanol	156	108	35-167	36	0-48	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 09-10-0587
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
099-12-211-1,376	Aqueous	GC 46	10/12/09	10/13/09	091012B19

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Diesel Range Organics	97	103	75-117	5	0-13	

RPD - Relative Percent Difference , CL - Control Limit



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 09-10-0587
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		
099-12-767-2,702	Aqueous	GC/MS R	10/13/09	10/13/09	091013L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	84	93	80-122	73-129	10	0-20	
Carbon Tetrachloride	87	97	68-140	56-152	11	0-20	
Chlorobenzene	84	93	80-120	73-127	11	0-20	
1,2-Dibromoethane	86	101	80-121	73-128	15	0-20	
1,2-Dichlorobenzene	84	96	80-120	73-127	13	0-20	
1,1-Dichloroethene	82	104	72-132	62-142	24	0-25	
Ethylbenzene	85	98	80-126	72-134	14	0-20	
Toluene	83	92	80-121	73-128	10	0-20	
Trichloroethene	81	93	80-123	73-130	15	0-20	
Vinyl Chloride	89	90	67-133	56-144	1	0-20	
Methyl-t-Butyl Ether (MTBE)	84	94	75-123	67-131	11	0-20	
Tert-Butyl Alcohol (TBA)	89	94	75-123	67-131	5	0-20	
Diisopropyl Ether (DIPE)	85	103	71-131	61-141	19	0-20	
Ethyl-t-Butyl Ether (ETBE)	87	99	76-124	68-132	13	0-20	
Tert-Amyl-Methyl Ether (TAME)	87	97	80-123	73-130	11	0-20	
Ethanol	86	95	61-139	48-152	10	0-27	
TPPH	108	104	65-135	53-147	4	0-30	

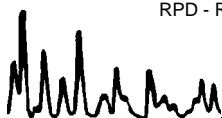
Total number of LCS compounds : 17

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

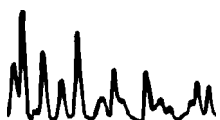
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 09-10-0587

<u>Qualifier</u>	<u>Definition</u>
*	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.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.



LAB (LOCATION)

- CALSCIENCE ()
- SPL ()
- XENCO ()
- TEST AMERICA ()
- OTHER ()



Shell Oil Products Chain Of Custody Record

Please Check Appropriate Box:

<input checked="" type="checkbox"/> ENV-SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input checked="" type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: **Denis Brown**

INCIDENT # (ENV SERVICES): **9 7 6 1 5 9 6 4**

PO # _____ SAP # _____

DATE: **10-06-09**

PAGE: **1** of **1**

SAMPLING COMPANY: **Blaine Tech Services**

LOG CODE: **BTSS**

ADDRESS: **1680 Rogers Ave, San Jose, CA 95112**

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

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

SITE ADDRESS: Street and City: **1801 Santa Rita Rd., Pleasanton**

State: **CA** GLOBAL ID NO: **T0600144714**

EDF DELIVERABLE TO (Name, Company, Office Location): **Angela Pico, Delta, San Jose Office** PHONE NO: **408.826.1862** E-MAIL: **apico@deltaenv.com**

CONSULTANT PROJECT NO: **091006-102**

SAMPLER NAME(S) (Print): **J. Ortiz** LAB USE ONLY: **10-0587**

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:

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT C°

SPECIAL INSTRUCTIONS OR NOTES :

CC Reglna Bussard w/final report rbussard@deltaenv.com

Run TPHd and Total Oil and Grease with Silica Gel Clean Up

SHELL CONTRACT RATE APPLIES

STATE REIMBURSEMENT RATE APPLIES

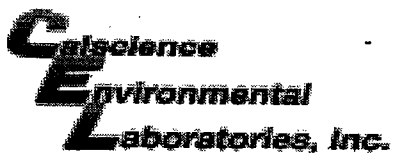
EDD NOT NEEDED

RECEIPT VERIFICATION REQUESTED

LAB USE ONLY	Field Sample Identification			SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	REQUESTED ANALYSIS											TEMPERATURE ON RECEIPT C°	Container PID Readings or Laboratory Notes			
	DATE	TIME		HCL	HNO3		H2SO4	NONE	OTHER	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)					
1	MW-1 MW-1	10/06	1350	W	3		2		5	X	X	X	X	X														
2	MW-4	10/06	1320	1	6		6		5	X	X	X	X	X														

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
<i>[Signature]</i>	<i>[Signature] (sample custodian)</i>	10-06-09	1530
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
<i>[Signature]</i>	<i>Tom O'Malley CEC</i>	10/7/09	1410
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
<i>[Signature]</i>	<i>[Signature]</i>	10/8/09	1030

512785706



WORK ORDER #: 09-10-0587

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Blaine Tech

DATE: 10/8/09

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

Temperature 3.8 °C - 0.2°C (CF) = 3.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

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

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: JP

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: JP

Sample _____ No (Not Intact) Not Present Initial: KD

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> COC not relinquished. <input type="checkbox"/> No date relinquished. <input type="checkbox"/> No time relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz₂na 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® Other: _____ Trip Blank Lot#: _____ Checked by: KD

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

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ Na: NaOH p: H₃PO₄ s: H₂SO₄ z₂na: ZnAc₂+NaOH f: Field-filtered Scanned by: PS