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Environmental Health
OCT 18 2005
Alameda County

www.deltaenv.com

Letter of Transmittal

To: Shell Oil Products US Date: 10/13/2005
PO Box 429
Monte Rio, CA 95362 Job No: SJ67-50S-1.2005

Attn: Mr. Denis Brown

We are sending the following items:

Date	Copies	Description
13-Oct-05	1	Quarterly Monitoring & Remediation Status Report
		Third Quarter 2005
		Shell Service Station
		6750 Santa Rita Road
		Pleasanton, CA

These are transmitted:

- For your Information
 For action specified below
 For review and comment
 For your use
 As requested

Remarks

By: Heather Buckingham
cc. Title: Senior Staff Geologist

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Shell Oil Products US

RO 2522
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Alameda County
OCT 18 2005
Environmental Health

October 13, 2005

Re: **Shell-branded Service Station**
6750 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(s) or report are true and correct to the best of my knowledge.

Sincerely,
Shell Oil Products US

Denis L. Brown
Sr. Environmental Engineer



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San Jose, California 95119 USA
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October 13, 2005
Project No. SJ67-50S-1.2005

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

Alameda County
OCT 18 2005
Environmental Health

**Re: Quarterly Groundwater Monitoring and Remediation Status Report – Third Quarter 2005
Shell Service Station
6750 Santa Rita Road
Pleasanton, California**

Dear Mr. Wickham:

Delta Environmental Consultants, Inc. (Delta), on behalf of Shell Oil Products US (Shell), has prepared the following third quarter 2005 groundwater monitoring, sampling, and remediation status report for the above referenced site. Groundwater sampling was performed by Blaine Tech Services (Blaine), at the direction of Delta. A site location map is included as Figure 1.

QUARTERLY GROUND WATER MONITORING PROGRAM

Groundwater monitoring Wells MW-1 through MW-5 were gauged and sampled by Blaine on July 29, 2005. Depth to groundwater was measured in Wells MW-1 through MW-5. Groundwater elevation data and contours are presented on Figure 2.

Groundwater samples were submitted by Blaine to Severn Trent Laboratories, Inc. in Pleasanton, California for analysis for total purgeable petroleum hydrocarbons as gasoline (TPH-G); benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds); and fuel oxygenates methyl tert-butyl ether (MTBE), and tert-butanol (TBA) using EPA Method 8260B. Benzene, MTBE, and TBA concentrations are presented on Figure 3.

A member of:



Blaine's groundwater monitoring and sampling report, which includes historical and current groundwater elevation data, historical and current analytical results, and field data records for the current monitoring event, is included as Attachment A.

PREVIOUS REMEDIATION SUMMARY

Monthly batch extraction on Wells MW-2 and MW-3 was initiated during third quarter 2003, and continued through the fourth quarter 2003. Over the course of six months, the MTBE concentration in Well MW-3 was lowered from a historic high of 15,000 micrograms per liter (ug/l) to 9,800 ug/l. However, on average, less than 40 gallons of water could be extracted from each well during a two-hour period, and Delta/Shell did not continue monthly groundwater batch extractions during first quarter 2004.

Due to increasing MTBE groundwater concentrations during first and second quarter 2004, Delta/Shell initiated an extended groundwater batch extraction event during third quarter 2004 utilizing Wells MW-1, MW-2 and MW-3. Approximately 4,705 gallons of groundwater were extracted during a six-week period, and an overall decrease in concentrations was observed in site wells during the extraction activities indicating the successful mass removal of oxygenates.

Due to increasing MTBE groundwater concentrations again during fourth quarter 2004, Delta/Shell initiated a second extended groundwater batch extraction event during first quarter 2005 utilizing Well MW-2. Approximately 2,950 gallons of groundwater were extracted during a two week period, and the concentration of MTBE in Well MW-2 decreased from 5,200 ug/l to 1,300 ug/l. The total mass of MTBE removed from groundwater beneath the site to date is approximately 0.274 pounds.

DISCUSSION

Depth to groundwater in Wells MW-1, MW-3, and MW-4 decreased by an average of 0.58 feet since last quarter; while depth to groundwater increased in Wells MW-2 and MW-5 by 0.43 feet and 0.29 feet, respectively. With the exception of second quarter 2004, previous site data has indicated that the groundwater flow direction at the site varies from southeast to southwest. In the second quarter 2004 groundwater flow was to the northwest. The groundwater gradient on July 29, 2005 was toward the south-southeast at an average magnitude of 0.02 feet/feet.

In the third quarter 2005, MTBE was detected in all on-site site Wells (MW-1 through MW-4). The MTBE concentration decreased in Well MW-1 from 720 ug/l last quarter to 270 ug/l. MTBE continued to decrease in Well MW-4 from 210 ug/l last quarter to 57 ug/l. MTBE concentrations have increased in Wells MW-2 and MW-3 to 3,900 ug/l and 3,100 ug/l, respectively. MTBE was not detected at or above the laboratory reporting limit in off-site, down-gradient Well MW-5. TBA was detected in all on-site wells (MW-1 through MW-4) at concentrations ranging from 11 ug/l to 1,700 ug/l. The TBA concentrations in Wells MW-2 and MW-3 have increased since last quarter, while TBA was detected in Well MW-4 for only the second time since well installation. TBA remains below the laboratory detection limit in off-site Well MW-5. TPH-G and BTEX compounds remain below the laboratory detection limits in all wells.

Based on the increasing MTBE concentrations in wells MW-2 and MW-3, Delta/Shell initiated a third extended groundwater extraction (GWE) event on September 26, 2005 utilizing Well MW-2. The GWE event was approved by Alameda County Health Care Service Agency (ACHCSA) in a letter dated September 7, 2005. GWE events were proposed by Delta/Shell to be performed quarterly until oxygenate

concentrations in groundwater stabilize. The results of the current batch GWE will be presented in the fourth quarter 2005 groundwater monitoring report.

Additionally, the ACHCSA, has approved Delta's scope of work for an additional soil and groundwater investigation at the site. Delta has tentatively scheduled investigation activities for the third week of November.

REMARKS

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

Sincerely,
Delta Environmental Consultants, Inc.



Heather Buckingham
Senior Staff Geologist

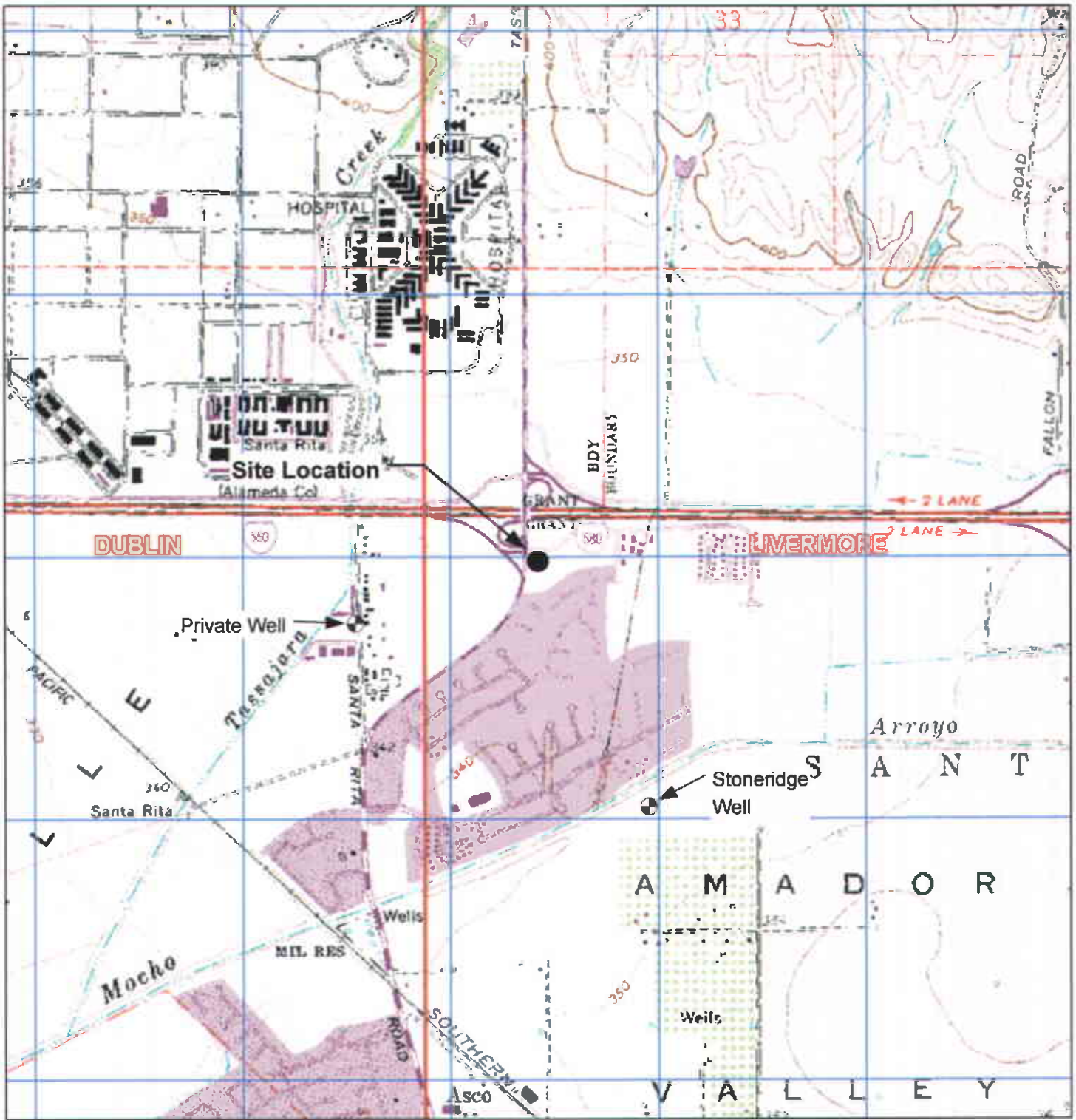


Debbie Arnold
Project Manager
PG 7745

- Attachments:** Figure 1 – Site Location and Well Survey Map
Figure 2 – Groundwater Elevation Contour Map, July 29, 2005
Figure 3 – Benzene, MTBE, and TBA Concentrations Map, July 29, 2005

Attachment A – Groundwater Monitoring and Sampling Report, August 24, 2005

cc: Denis Brown, Shell Oil Products US
Betty Graham, Regional Water Quality Control Board, San Francisco Bay Region



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



QUADRANGLE LOCATION

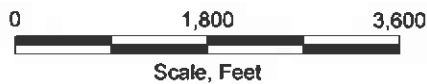


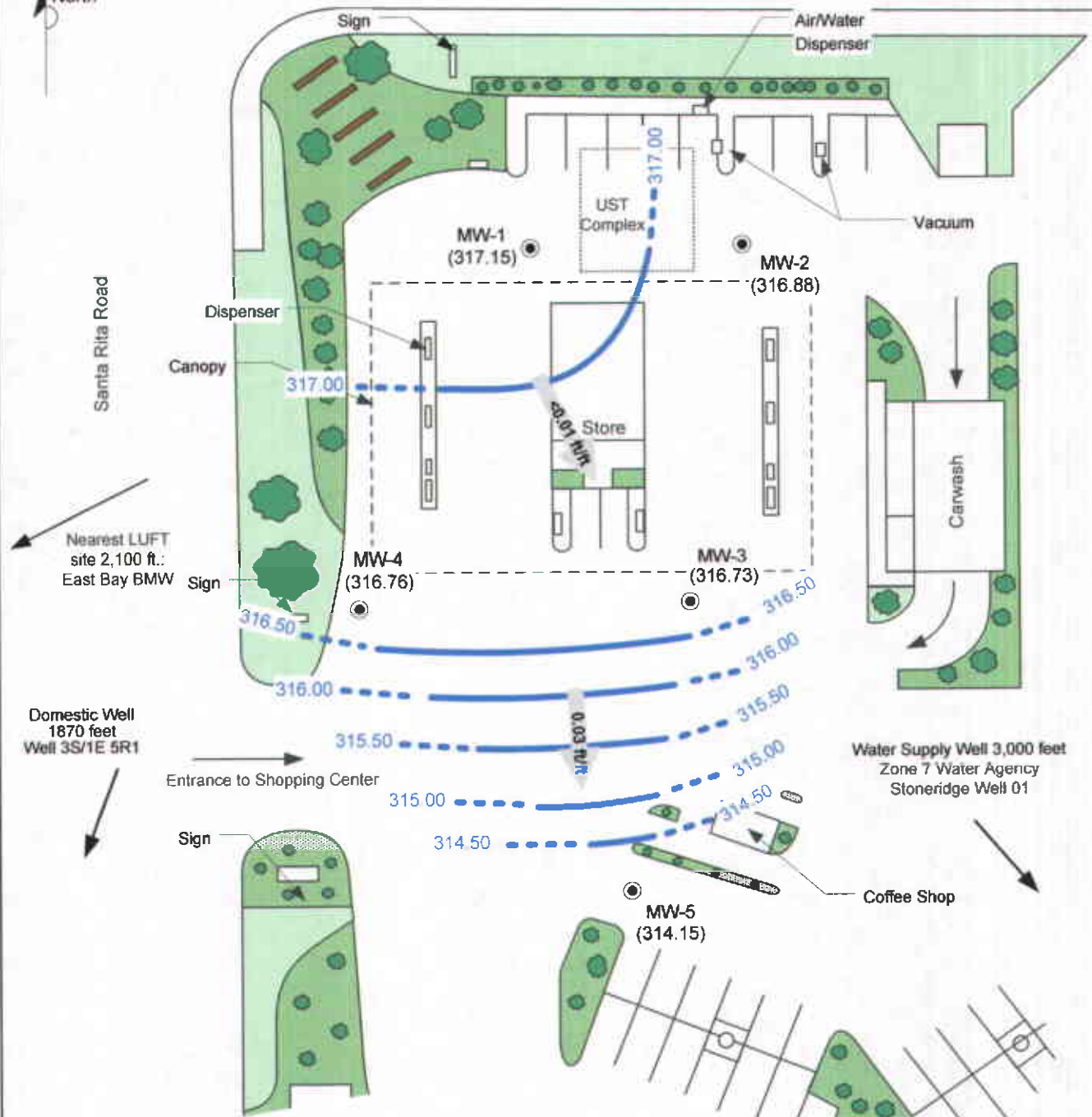
FIGURE 1 SITE LOCATION AND WELL SURVEY MAP SHELL-BRANDED SERVICE STATION 6750 Santa Rita Road Pleasanton, California	
PROJECT NO. SJ67-50S-1.2004	DRAWN BY VF 12/04/03
FILE NO. SJ67-50S-1.2004	PREPARED BY VF
REVISION NO.	REVIEWED BY



Pimlico Drive



Santa Rita Road



LEGEND

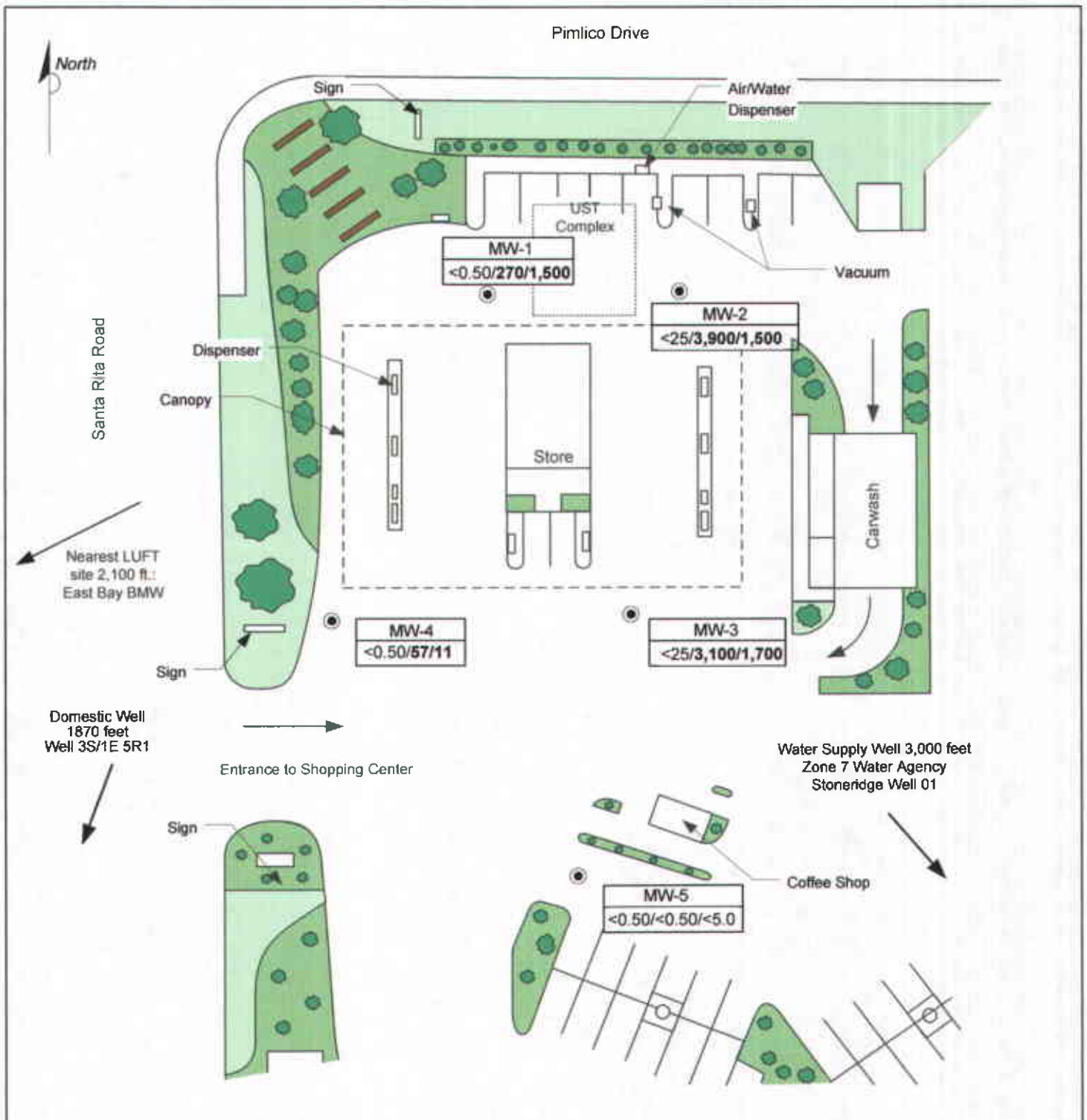
- MW-1 ● **GROUNDWATER MONITORING WELL**
- (314.15) **GROUNDWATER ELEVATION (FEET-MSL), 7/29/05**
- 315.00 — **GROUNDWATER ELEVATION CONTOUR**
- 0.01 ft/ft **APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT**



FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP,
 JULY 29, 2005
SHELL-BRANDED SERVICE STATION
 6750 Santa Rita Road
 Pleasanton, California

PROJECT NO. SJ67-505-1, 2005	DRAWN BY JL 08/04/05
FILE NO. SJ67-505-1, 2005	PREPARED BY J.L.
REVISION NO. 2	REVIEWED BY





Pimlico Drive

North

Santa Rita Road

Nearest LUFT site 2,100 ft.: East Bay BMW

Domestic Well 1870 feet Well 3S/1E 5R1

Entrance to Shopping Center

Water Supply Well 3,000 feet Zone 7 Water Agency Stoneridge Well 01

LEGEND

● **GROUNDWATER MONITORING WELL**

MW-5
<0.50/<0.50/<5.0

WELL ID
BENZENE/MTBE/TBA CONCENTRATIONS (UG/L) – 07/29/05



FIGURE 3
BENZENE, MTBE, AND TBA CONCENTRATION MAP
 JULY 29, 2005

SHELL-BRANDED SERVICE STATION
 6750 Santa Rita Road
 Pleasanton, California

PROJECT NO. S,67-50S-1.2005	DRAWN BY J.L. 09/19/05
FILE NO. S,67-50S-1.2005	PREPARED BY HB
REVISION NO. 2	REVIEWED BY



Attachment A

GROUNDWATER MONITORING AND SAMPLING REPORT

Attachment A

GROUNDWATER MONITORING AND SAMPLING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

August 24, 2005

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

Third Quarter 2005 Groundwater Monitoring at
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Monitoring performed on July 29, 2005

Groundwater Monitoring Report **050729-PC-1**

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

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/cl

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

cc: Garrett Haertel
Delta Environmental
175 Bernal Road, Suite 200
San Jose, CA 95119

WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-1	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.75	NA
MW-1	12/22/2002	<50	81	<0.50	<0.50	<0.50	<0.50	62	<2.0	<2.0	<2.0	<50	NA	31.93	NA
MW-1	3/28/2003	<50	70	<0.50	<0.50	<0.50	<1.0	130	<2.0	<2.0	<2.0	43	343.48	31.59	311.89
MW-1	5/9/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	280	<10	<10	<10	200	343.48	31.10	312.38
MW-1	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	31.65	311.83
MW-1	7/8/2003	<250	NA	<2.5	<2.5	<2.5	<5.0	160	<10	<10	<10	170	343.48	30.90	312.58
MW-1	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	31.53	311.95
MW-1	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.95	313.53
MW-1	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.99	313.49
MW-1	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	30.02	313.46
MW-1	10/3/2003	<500	NA	<5.0	<5.0	<5.0	<10	810	<20	<20	<20	540	343.48	29.89	313.59
MW-1	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	31.38	312.10
MW-1	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.71	313.77
MW-1	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.48	29.72	313.76
MW-1	1/6/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	400	<10	<10	<10	280	343.48	29.16	314.32
MW-1	4/6/2004	<1,300	NA	<13	<13	<13	<25	3,300	NA	NA	NA	3,500	343.48	31.38	312.10
MW-1	7/30/2004	<1,300	NA	<13	<13	<13	<25	1,000	NA	NA	NA	600	343.48	28.51	314.97
MW-1	10/7/2004	<250	NA	<2.5	<2.5	<2.5	<5.0	530	NA	NA	NA	390	343.48	28.55	314.93
MW-1	1/26/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	320	<10	<10	<10	130	343.48	27.35	316.13
MW-1	4/14/2005	<150	NA	<1.5	<1.5	<1.5	<1.5	720	NA	NA	NA	260	343.48	26.70	316.78
MW-1	7/29/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	270	NA	NA	NA	150	343.48	26.33	317.15

MW-2	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.25	NA
MW-2	12/22/2002	<200	120	<2.0	<2.0	<2.0	<2.0	660	<2.0	<2.0	<2.0	<50	NA	30.70	NA
MW-2	3/28/2003	<2,500	60	<25	<25	<25	<50	4,200	<100	<100	<100	2,500	342.86	30.30	312.56
MW-2	5/9/2003	<2,500	NA	<25	<25	<25	<50	4,000	<100	<100	<100	3,200	342.86	29.83	313.03

WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-2	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.45	312.41
MW-2	7/8/2003	<2,000	NA	<20	<20	<20	<40	2,800	<80	<80	<80	2,900	342.86	29.86	313.00
MW-2	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.33	312.53
MW-2	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	29.33	313.53
MW-2	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	29.98	312.88
MW-2	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.21	312.65
MW-2	10/3/2003	<2,000	NA	<20	<20	<20	<40	3,600	<80	<80	<80	3,000	342.86	30.43	312.43
MW-2	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	29.79	313.07
MW-2	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.00	312.86
MW-2	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.86	30.14	312.72
MW-2	1/6/2004	<5,000	NA	<50	<50	<50	<100	4,500	<200	<200	<200	1,900	342.86	30.05	312.81
MW-2	4/6/2004	<2,000	NA	<20	<20	<20	<40	4,600	NA	NA	NA	5,100	342.86	29.30	313.56
MW-2	7/30/2004	<500	NA	<5.0	<5.0	<5.0	<10	1,000	NA	NA	NA	950	342.86	28.80	314.06
MW-2	10/7/2004	<2,500	NA	<25	<25	<25	<50	6,300	NA	NA	NA	6,500	342.86	28.02	314.84
MW-2	1/26/2005	<1,300	NA	<13	<13	<13	<25	2,100	<50	<50	<50	2,300	342.86	33.12	309.74
MW-2	4/14/2005	<500	NA	<5.0	<5.0	<5.0	<5.0	2,400	NA	NA	NA	1,100	342.86	25.55	317.31
MW-2	7/29/2005	<2,500	NA	<25	<25	<25	<50	3,900	NA	NA	NA	1,500	342.86	25.98	316.88
MW-3	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.65	NA
MW-3	12/22/2002	<2,000	72	<20	<20	<20	<20	8,000	<20	<20	<20	1,500	NA	31.10	NA
MW-3	3/28/2003	<5,000	89	<50	<50	<50	<100	10,000	<200	<200	<200	6,100	342.23	30.76	311.47
MW-3	5/9/2003	11,000	NA	<100	<100	<100	<200	15,000	<400	<400	<400	9,300	342.23	30.04	312.19
MW-3	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	30.23	312.00
MW-3	7/8/2003	<10,000	NA	<100	<100	<100	<200	9,500	<400	<400	<400	2,500	342.23	30.11	312.12
MW-3	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.80	312.43
MW-3	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.94	312.29

WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-3	8/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	30.05	312.18
MW-3	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.95	312.28
MW-3	10/3/2003	<10,000	NA	<100	<100	<100	<200	8,800	<400	<400	<400	6,600	342.23	29.97	312.26
MW-3	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.97	312.26
MW-3	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.94	312.29
MW-3	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	342.23	29.43	312.80
MW-3	1/6/2004	<5,000	NA	<50	<50	<50	<100	9,800	<200	<200	<200	3,800	342.23	29.25	312.98
MW-3	4/6/2004	<5,000	NA	<50	<50	<50	<100	4,200	NA	NA	NA	2,100	342.23	28.82	313.41
MW-3	7/30/2004	<2,500	NA	<25	<25	<25	<50	3,000	NA	NA	NA	1,200	342.23	28.73	313.50
MW-3	10/7/2004	<1,000	NA	<10	<10	<10	<20	860	NA	NA	NA	320	342.23	28.72	313.51
MW-3	1/26/2005	<500	NA	<5.0	<5.0	<5.0	<10	820	<20	<20	<20	250	342.23	26.50	315.73
MW-3	4/14/2005	<400	NA	<4.0	<4.0	<4.0	<4.0	2,200	NA	NA	NA	590	342.23	26.15	316.08
MW-3	7/29/2005	<2,500	NA	<25	<25	<25	<50	3,100	NA	NA	NA	1,700	342.23	25.50	316.73

MW-4	12/4/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.92	NA
MW-4	12/22/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	93	<2.0	<2.0	<2.0	<50	NA	32.20	NA
MW-4	3/28/2003	<50	67	<0.50	<0.50	<0.50	<1.0	2.4	<2.0	<2.0	<2.0	<5.0	343.44	32.07	311.37
MW-4	5/9/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	75	<2.0	<2.0	<2.0	<5.0	343.44	31.35	312.09
MW-4	6/30/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.42	312.02
MW-4	7/8/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	18	<2.0	<2.0	<2.0	<5.0	343.44	31.42	312.02
MW-4	7/17/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.20	312.24
MW-4	7/31/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.05	312.39
MW-4	8/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.20	312.24
MW-4	9/23/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.15	312.29
MW-4	10/3/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	23	<2.0	<2.0	<2.0	<5.0	343.44	31.10	312.34
MW-4	10/28/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	31.14	312.30

WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	11/24/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	30.92	312.52
MW-4	12/29/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	343.44	30.82	312.62
MW-4	1/6/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	40	<2.0	<2.0	<2.0	<5.0	343.44	30.24	313.20
MW-4	4/6/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	16	NA	NA	NA	<5.0	343.44	30.10	313.34
MW-4	7/30/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	25	NA	NA	NA	<5.0	343.44	29.75	313.69
MW-4	10/7/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	35	NA	NA	NA	<5.0	343.44	29.79	313.65
MW-4	1/26/2005	<250	NA	<2.5	<2.5	<2.5	<5.0	450	<10	<10	<10	43	343.44	27.60	315.84
MW-4	4/14/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	210	NA	NA	NA	<5.0	343.44	27.40	316.04
MW-4	7/29/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	57	NA	NA	NA	11	343.44	26.68	316.76
MW-5	2/8/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	340.88	26.83	314.05
MW-5	2/10/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	5.1	<2.0	<2.0	<2.0	<5.0	340.88	27.13	313.75
MW-5	4/14/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	340.88	26.44	314.44
MW-5	7/29/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	<5.0	340.88	26.73	314.15

WELL CONCENTRATIONS
Shell-branded Service Station
6750 Santa Rita Road
Pleasanton, CA

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

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

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

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

Notes:

Site surveyed November 22, 2002 by Mid Coast Engineers.

MW-5 surveyed January 31, 2005 by Mid Coast Engineers of Watsonville, CA.

Blaine Tech Services, Inc.

August 23, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: BTS#050729-PC1
Project: 97464711
Site: 6750 Santa Rita Rd., Pleasanton

Dear Mr. Gearhart,

Attached is our report for your samples received on 08/01/2005 14:10
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
09/15/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,

You can also contact me via email. My email address is: mbrewer@stl-inc.com

Sincerely,



Melissa Brewer
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	07/29/2005 13:40	Water	1
MW-2	07/29/2005 13:58	Water	2
MW-3	07/29/2005 13:50	Water	3
MW-4	07/29/2005 12:44	Water	4
MW-5	07/29/2005 12:00	Water	5

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08/23/2005 19:20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-1	Lab ID: 2005-08-0052 - 1
Sampled: 07/29/2005 13:40	Extracted: 8/12/2005 22:51
Matrix: Water	QC Batch#: 2005/08/12-2A.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	08/12/2005 22:51	
Benzene	ND	0.50	ug/L	1.00	08/12/2005 22:51	
Toluene	ND	0.50	ug/L	1.00	08/12/2005 22:51	
Ethylbenzene	ND	0.50	ug/L	1.00	08/12/2005 22:51	
Total xylenes	ND	1.0	ug/L	1.00	08/12/2005 22:51	
tert-Butyl alcohol (TBA)	150	5.0	ug/L	1.00	08/12/2005 22:51	
Methyl tert-butyl ether (MTBE)	270	0.50	ug/L	1.00	08/12/2005 22:51	
Surrogate(s)						
1,2-Dichloroethane-d4	95.6	73-130	%	1.00	08/12/2005 22:51	
Toluene-d8	78.4	81-114	%	1.00	08/12/2005 22:51	S8

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Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-2 Lab ID: 2005-08-0052 - 2
Sampled: 07/29/2005 13:58 Extracted: 8/12/2005 23:12
Matrix: Water QC Batch#: 2005/08/12-2A.69
Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	2500	ug/L	50.00	08/12/2005 23:12	
Benzene	ND	25	ug/L	50.00	08/12/2005 23:12	
Toluene	ND	25	ug/L	50.00	08/12/2005 23:12	
Ethylbenzene	ND	25	ug/L	50.00	08/12/2005 23:12	
Total xylenes	ND	50	ug/L	50.00	08/12/2005 23:12	
tert-Butyl alcohol (TBA)	1500	250	ug/L	50.00	08/12/2005 23:12	
Methyl tert-butyl ether (MTBE)	3900	25	ug/L	50.00	08/12/2005 23:12	
Surrogate(s)						
1,2-Dichloroethane-d4	101.5	73-130	%	50.00	08/12/2005 23:12	
Toluene-d8	96.0	81-114	%	50.00	08/12/2005 23:12	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-3 Lab ID: 2005-08-0052 - 3
Sampled: 07/29/2005 13:50 Extracted: 8/12/2005 11:38
Matrix: Water QC Batch#: 2005/08/12-1A.65
Analysis Flag: L2, pH: <2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	2500	ug/L	50.00	08/12/2005 11:38	
Benzene	ND	25	ug/L	50.00	08/12/2005 11:38	
Toluene	ND	25	ug/L	50.00	08/12/2005 11:38	
Ethylbenzene	ND	25	ug/L	50.00	08/12/2005 11:38	
Total xylenes	ND	50	ug/L	50.00	08/12/2005 11:38	
tert-Butyl alcohol (TBA)	1700	250	ug/L	50.00	08/12/2005 11:38	
Methyl tert-butyl ether (MTBE)	3100	25	ug/L	50.00	08/12/2005 11:38	
Surrogate(s)						
1,2-Dichloroethane-d4	99.8	73-130	%	50.00	08/12/2005 11:38	
Toluene-d8	96.7	81-114	%	50.00	08/12/2005 11:38	

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Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-4	Lab ID: 2005-08-0052 - 4
Sampled: 07/29/2005 12:44	Extracted: 8/12/2005 20:40
Matrix: Water	QC Batch#: 2005/08/12-1A.65
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	08/12/2005 20:40	
Benzene	ND	0.50	ug/L	1.00	08/12/2005 20:40	
Toluene	ND	0.50	ug/L	1.00	08/12/2005 20:40	
Ethylbenzene	ND	0.50	ug/L	1.00	08/12/2005 20:40	
Total xylenes	ND	1.0	ug/L	1.00	08/12/2005 20:40	
tert-Butyl alcohol (TBA)	11	5.0	ug/L	1.00	08/12/2005 20:40	
Methyl tert-butyl ether (MTBE)	57	0.50	ug/L	1.00	08/12/2005 20:40	
Surrogate(s)						
1,2-Dichloroethane-d4	109.6	73-130	%	1.00	08/12/2005 20:40	
Toluene-d8	91.9	81-114	%	1.00	08/12/2005 20:40	

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Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

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Project: BTS#050729-PC1

97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Prep(s): 5030B	Test(s): 8260B
Sample ID: MW-5	Lab ID: 2005-08-0052 - 5
Sampled: 07/29/2005 12:00	Extracted: 8/12/2005 05:16
Matrix: Water	QC Batch#: 2005/08/11-2B.65
pH: <2	

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	08/12/2005 05:16	
Benzene	ND	0.50	ug/L	1.00	08/12/2005 05:16	
Toluene	ND	0.50	ug/L	1.00	08/12/2005 05:16	
Ethylbenzene	ND	0.50	ug/L	1.00	08/12/2005 05:16	
Total xylenes	ND	1.0	ug/L	1.00	08/12/2005 05:16	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	08/12/2005 05:16	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	08/12/2005 05:16	
Surrogate(s)						
1,2-Dichloroethane-d4	109.1	73-130	%	1.00	08/12/2005 05:16	
Toluene-d8	100.4	81-114	%	1.00	08/12/2005 05:16	

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Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

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Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/08/11-2B.65-047

Water

Test(s): 8260B

QC Batch # 2005/08/11-2B.65

Date Extracted: 08/11/2005 19:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/11/2005 19:47	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/11/2005 19:47	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/11/2005 19:47	
Benzene	ND	0.5	ug/L	08/11/2005 19:47	
Toluene	ND	0.5	ug/L	08/11/2005 19:47	
Ethylbenzene	ND	0.5	ug/L	08/11/2005 19:47	
Total xylenes	ND	1.0	ug/L	08/11/2005 19:47	
Surrogates(s)					
1,2-Dichloroethane-d4	99.5	73-130	%	08/11/2005 19:47	
Toluene-d8	95.6	81-114	%	08/11/2005 19:47	

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Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/08/12-1A.65-049

Water

Test(s): 8260B

QC Batch # 2005/08/12-1A.65

Date Extracted: 08/12/2005 08:49

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/12/2005 08:49	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/12/2005 08:49	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/12/2005 08:49	
Benzene	ND	0.5	ug/L	08/12/2005 08:49	
Toluene	ND	0.5	ug/L	08/12/2005 08:49	
Ethylbenzene	ND	0.5	ug/L	08/12/2005 08:49	
Total xylenes	ND	1.0	ug/L	08/12/2005 08:49	
Surrogates(s)					
1,2-Dichloroethane-d4	96.2	73-130	%	08/12/2005 08:49	
Toluene-d8	95.5	81-114	%	08/12/2005 08:49	

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08/23/2005 19:20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1

97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/08/12-2A.69-030

Water

Test(s): 8260B

QC Batch # 2005/08/12-2A.69

Date Extracted: 08/12/2005 20:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	08/12/2005 20:30	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	08/12/2005 20:30	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	08/12/2005 20:30	
Benzene	ND	0.5	ug/L	08/12/2005 20:30	
Toluene	ND	0.5	ug/L	08/12/2005 20:30	
Ethylbenzene	ND	0.5	ug/L	08/12/2005 20:30	
Total xylenes	ND	1.0	ug/L	08/12/2005 20:30	
Surrogates(s)					
1,2-Dichloroethane-d4	84.2	73-130	%	08/12/2005 20:30	
Toluene-d8	99.8	81-114	%	08/12/2005 20:30	

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08/23/2005 19:20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/08/11-2B.65

LCS 2005/08/11-2B.65-020

Extracted: 08/11/2005

Analyzed: 08/11/2005 19:20

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.9		25	87.6			65-165	20		
Benzene	22.7		25	90.8			69-129	20		
Toluene	24.2		25	96.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	441		500	88.2			73-130			
Toluene-d8	492		500	98.4			81-114			

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08/23/2005 19:20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/08/12-1A.65

LCS 2005/08/12-1A.65-024

Extracted: 08/12/2005

Analyzed: 08/12/2005 08:24

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD %	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.8		25	99.2			65-165	20		
Benzene	23.1		25	92.4			69-129	20		
Toluene	25.2		25	100.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	471		500	94.2			73-130			
Toluene-d8	495		500	99.0			81-114			

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08/23/2005 19:20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/08/12-2A.69

LCS 2005/08/12-2A.69-029

Extracted: 08/12/2005

Analyzed: 08/12/2005 19:29

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	28.1		25	112.4			65-165	20		
Benzene	20.5		25	82.0			69-129	20		
Toluene	22.5		25	90.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	423		500	84.6			73-130			
Toluene-d8	471		500	94.2			81-114			

Severn Trent Laboratories, Inc.

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08/23/2005 19:20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/08/11-2B.65

MS/MSD

Lab ID: 2005-08-0156 - 004

MS: 2005/08/11-2B.65-008

Extracted: 08/12/2005

Analyzed: 08/12/2005 00:08

Dilution: 100.00

MSD: 2005/08/11-2B.65-034

Extracted: 08/12/2005

Analyzed: 08/12/2005 00:34

Dilution: 100.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	26.6	27.7	2.02	25	98.3	102.7	4.4	65-165	20		
Benzene	25.8	26.0	ND	25	103.2	104.0	0.8	69-129	20		
Toluene	26.4	26.6	ND	25	105.6	106.4	0.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	476	479		500	95.3	95.9		73-130			
Toluene-d8	480	468		500	96.0	93.5		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

08/23/2005 19:20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/08/12-1A.65

MW-2 >> MS

Lab ID: 2005-08-0052 - 002

MS: 2005/08/12-1A.65-046

Extracted: 08/12/2005

Analyzed: 08/12/2005 10:46

Dilution: 50.00

MSD: 2005/08/12-1A.65-012

Extracted: 08/12/2005

Analyzed: 08/12/2005 11:12

Dilution: 50.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	5090	5560	4300	1250	63.2	100.8	45.9	65-165	20	M3	R1
Benzene	1070	1180	ND	1250	85.6	94.4	9.8	69-129	20		
Toluene	1230	1310	ND	1250	98.4	104.8	6.3	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	501	494		500	100.2	98.8		73-130			
Toluene-d8	493	506		500	98.6	101.2		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

08/23/2005 19:20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/08/12-2A.69

MS/MSD

Lab ID: 2005-08-0074 - 004

MS: 2005/08/12-2A.69-031

Extracted: 08/13/2005

Analyzed: 08/13/2005 00:12

Dilution: 1.00

MSD: 2005/08/12-2A.69-032

Extracted: 08/13/2005

Analyzed: 08/13/2005 00:33

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	610	572	ND	500	122.0	114.4	6.4	65-165	20		
Benzene	524	540	ND	500	104.8	108.0	3.0	69-129	20		
Toluene	580	547	ND	500	116.0	109.4	5.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	546	534		500	109.2	106.8		73-130			
Toluene-d8	482	441		500	96.4	88.2		81-114			

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

08/23/2005 19:20

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: BTS#050729-PC1
97464711

Received: 08/01/2005 14:10

Site: 6750 Santa Rita Rd., Pleasanton

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

M3

Sample > 4x spike concentration.

R1

Analyte RPD was out of QC limits.

S8

Surrogate recoveries lower than acceptance limits.

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

08/23/2005 19:20

LAB: STL

SHELL Chain Of Custody Record

17189

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

2005-08-0052

INCIDENT NUMBER (S&E ONLY)

9 7 4 6 4 7 1 1

SAP or CRMT NUMBER (T/S/CRMT)

DATE: 7/29/05

PAGE: 1 of 1

SAMPLING COMPANY: **Blaine Tech Services** LAB CODE: **BTSS** SITE ADDRESS (Street and City): **6750 Santa Rita Rd., Pleasanton** GLOBAL ID NO.: **T0600102532**

ADDRESS: **1680 Rogers Avenue, San Jose, CA 95112** EDF DELIVERABLE TO (Responsible Party or Director): **Heather Buckingham** PHONE NO.: **(408)224-4724** EMAIL: **hbuckingham@dellaenv.com** CONSULTANT PROJECT NO.: **050729-PC1**

PROJECT CONTACT (Hardcopy or PDF Report to): **Leon Gearhart** SAMPLE NAME(S) (Print): **D. Cornish** LAB USE ONLY:

TELEPHONE: **408-573-0555** FAX: **408-573-7771** EMAIL: **lgearhart@blainetech.com**

TURNAROUND TIME (BUSINESS DAYS): NO DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT LIST AGENCY:

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF RDD IS NOT NEEDED:

REQUESTED ANALYSIS

FIELD NOTES:
Container/Preservative
or PID Readings
or Laboratory Notes

5

TEMPERATURE ON RECEIPT OF

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (9260B - 0.5ppb RL)	Oxygenates (6) by (9260B)	TPH - Diesel, Extractable	TBA
		DATE	TIME									
	MW-1	7/29/05	1340	W	3	A	A	A				A
	MW-2		1350		3	A	A	A				A
	MW-3		1350		3	A	A	A				A
	MW-4		1244		3	A	A	A				A
	MW-5		1200		3	A	A	A				A

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date: 7/29/05 Time: 1445

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date: 8/01/05 Time: 1410

Relinquished by: (Signature) [Signature] Received by: (Signature) [Signature] Date: 8/01/05 Time: 1530

DISTRIBUTION: White to: Anal report, Green to: File, Yellow and Pink to: Client

10/10/05 Revision

GPO: Graphic (714) 966-9702

SHELL WELL MONITORING DATA SHEET

BTS #: 050729-PCJ	Site: 97464711
Sampler: PC	Date: 7/29/05
Well I.D.: MW-2	Well Diameter: ② 3 4 6 8
Total Well Depth (TD): 41.88	Depth to Water (DTW): 25.98
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]: 29.16	

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

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

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

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1330	70.1	7.2	2631	903	2.5	
1336	70.7	7.1	2599	420	5	
1342	69.2	7.1	2670	852	7.5	

Did well dewater? Yes No Gallons actually evacuated: 7.5

Sampling Date: 7/29/05 Sampling Time: 1358 Depth to Water: 27.12

Sample I.D.: MW-2 Laboratory: SD Other: _____

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

EB I.D. (if applicable): @ _____ 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 #: <u>050729-PC1</u>	Site: <u>9746471</u>
Sampler: <u>PC</u>	Date: <u>7/29/05</u>
Well I.D.: <u>MW-4</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>42.97</u>	Depth to Water (DTW): <u>26.68</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PV</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>29.94</u>	

Purge Method: Bailer Watera
 Disposable Bailer Peristaltic
 Positive Air Displacement Extraction Pump
 Electric Submersible Other _____

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

2.6 (Gals.) X 3 = 7.8 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1218</u>	<u>68.9</u>	<u>7.1</u>	<u>2829</u>	<u>>1000</u>	<u>2.6</u>	<u>cloudy</u>
<u>1224</u>	<u>69.4</u>	<u>7.0</u>	<u>2807</u>	<u>217</u>	<u>5.2</u>	<u>clearing</u>
<u>1230</u>	<u>69.2</u>	<u>7.1</u>	<u>2775</u>	<u>106</u>	<u>7.8</u>	<u>↓</u>

Did well dewater? Yes No Gallons actually evacuated: 7.8

Sampling Date: 7/29/05 Sampling Time: 1244 Depth to Water: 29.91

Sample I.D.: MW-4 Laboratory: SNL Other _____

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

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 #: 050729-PC1	Site: 97464711
Sampler: PC	Date: 7/29/05
Well I.D.: MW-5	Well Diameter: ② 3 4 6 8
Total Well Depth (TD): 32.07	Depth to Water (DTW): 26.73
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>eye</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.79	

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

$\underline{.8} \text{ (Gals.)} \times \underline{3} = \underline{2.4} \text{ Gals.}$ <p>1 Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <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
11:50	69.5	7.0	2988	>1000	.8	
11:51	68.6	6.9	3145	>1000	1.6	
11:52	68.2	6.9	3180	>1000	2.4	

Did well dewater? Yes No Gallons actually evacuated: 2.4

Sampling Date: 7/29/05 Sampling Time: 12:00 Depth to Water: 27.73

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

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

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

SITE INSPECTION CHECKLIST

Client Shell Date 7-28-05
 Site Address 6750 Santa Rita Road, Pleasanton
 Job Number 050728AA2 Technician Andrew Adirak
 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 Investigation Related Trip Hazards
- Addressed All Outstanding Wellhead Repair Order(s) N/A
- Completed Repair Data Sheets(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

PLEASE BE ADVISED THAT, UNLESS OTHERWISE INSTRUCTED, NO REPAIRS ARE PLANNED FOR THE ISSUES DESCRIBED BELOW

Outstanding Problems / Comments	(In addition to other issues, note all SOW wellboxes that, by design, are not securable)

PROJECT COORDINATOR ONLY

Checklist Reviewed	<u>CB 7/29/05</u> <small>Initial/Date</small>	Notes
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Repair Data Sheet

Client Shell Date 7-28-05
 Site Address 6750 Santa Rita Road, Pleasanton
 Job Number 050728AA2 Technician Andrew Adinolfi

Inspection Point (Well ID or description of location)	Well Inspected, Cleared, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check indicates deficiency								Lid Not Securable By Design (List Type)	Well Not Inspected (explain in notes)	Deficiency Logged on Repair Order	Deficiency Remains Uncorrected/Logged on Site Inspection Checklist	Partial Repair Completed/Outstanding Deficiency Logged on Repair Order	All Repairs Completed
					Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Other Deficiency						
MW-1	<input checked="" type="checkbox"/>																	
Notes:																		
MW-2	<input checked="" type="checkbox"/>																	
Notes:																		
MW-3	<input checked="" type="checkbox"/>																	
Notes:																		
MW-4							<input checked="" type="checkbox"/>											<input checked="" type="checkbox"/>
Notes: Retrap 1 of 2																		
Notes:																		
Notes:																		