



Shell Oil Products US

RD 28826

Alameda County
DEC 12 2005
Environmental Services

December 6, 2005

Re: **Former 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

Denis L. Brown
Project Manager

Ro 288Z



Solving environment-related business problems worldwide

www.deltaenv.com

175 Bernal Road • Suite 200
San Jose, California 95119 USA
408.224.4724 800.477.7411
Fax 408.224.4518

Alameda County
Dec 17 2005

Letter of Transmittal

To: Alameda County Health Care Services Agency Date: 12/7/2005
Environmental Health Services - Environmental Protection
1131 Harbor Bay Parkway, Suite 250 Job No: SJ18-01S-G.2005
Alameda, CA 94502-6577
Attn: Mr. Jerry Wickham

We are sending the following items:

Date	Copies	Description
6-Dec-05	1	Semi-Annual Groundwater Monitoring Report - Fourth Quarter 2005
		Shell Service Station
		1801 Santa Rita Road
		Pleasanton, California

These are transmitted:

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

Remarks

Copies to: Isabel Mejia, Shell Oil Products US By: Lena Martinez
Denis Brown, Shell Oil Products
Title: Project Manager Assistant/LFR

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December 8, 2005

Project Number: SJ18-01S-G.2005

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

**Re: Semi-Annual Groundwater Monitoring Report – Fourth Quarter 2005
Shell Service Station
1801 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 quarterly groundwater monitoring and sampling report for the above referenced site. A site location map is included as Figure 1.

BACKGROUND

Wells MW-1 through MW-4 were installed during October 2002 as part of Shell's Groundwater Assessment Program (GRASP). GRASP is a voluntary initiative by SHELL to install groundwater monitoring wells at numerous retail service stations nationwide that do not have any active release cases but have been identified to be in close proximity to one or more public water supply wells. The purpose of this program is to proactively monitor the groundwater beneath these sites and, in the event of a subsurface release, to respond quickly to protect public wells from this impact.

An Unauthorized Release Report (URR) was previously submitted for this site in November 2002 based on detections of Total Petroleum Hydrocarbons as gasoline (TPH-G) (maximum concentration = 170 milligrams per kilogram (mg/kg)) and benzene (maximum concentration = 2 mg/kg) in soil during site fuel dispenser and piping upgrades.

On April 19, 2005, a hydraulic hoist located within the station building service bay was removed and Delta collected a soil sample beneath the former hoist at a depth of 8.5 feet below grade (bg). A second URR was submitted for the site based on detections of petroleum based total oil and grease (7,900 mg/kg) and total petroleum hydrocarbons as diesel (TPH-D, 18,000 mg/kg) in May 2005.

Shell recently received a notice of responsibility letter dated August 17, 2005 from the Alameda County Health Care Services Agency (ACHCSA) placing the site in the Local Oversight Program.

GROUNDWATER MONITORING PROGRAM

Groundwater monitoring wells were gauged and sampled by Blaine Tech Services (Blaine), at the direction of Delta, on October 20, 2005. Depth to groundwater was measured in Wells MW-1 through MW-4. Groundwater elevation data and contours are presented on Figure 2.

Blaine purged each monitoring well (MW-1 through MW-4) prior to sampling for the first time since well installation in 2002. Groundwater samples were collected from Wells MW-1 through MW-4. Samples were submitted by Blaine to Severn Trent Laboratories (STL) in Pleasanton, California for analysis for TPH-G; TPH-D; TPH-D; benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds); the fuel oxygenates methyl tertiary butyl ether (MTBE), di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), and tertiary butyl alcohol (TBA) using EPA Method 8260B. TPH-G, benzene, and MTBE concentrations in groundwater are presented on Figure 3.

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.

Discussion

Depth to groundwater in site wells has increased by an average of 0.52 feet since the last groundwater monitoring event conducted in April 2005. Depth to groundwater has continually decreased since well installation in 2002 (with the exception of third quarter 2005), resulting in a total water table rise of approximately 30 feet at the site. Well screens in Wells MW-1 through MW-4 (77 to 97 feet bg) are now drowned. The horizontal groundwater gradient on October 20, 2005 was toward the west-northwest at a magnitude of less than 0.01 feet/feet (essentially flat), consistent with previous site data.

The purging of site wells prior to sampling resulted in a slight increase in petroleum hydrocarbon concentrations. TPH-D was detected in Wells MW-1, MW-2, and MW-3 at 330 micrograms per liter (ug/l), 75 ug/l, and 55 ug/l, respectively. After silica gel cleanup was performed on the groundwater samples, TPH-D was detected at a lower concentration in MW-1 (190 ug/l) and TPH-D was below the laboratory detection limits in Wells MW-2 and MW-3. TPH-D detections did not match the laboratory's standard chromatographic pattern for diesel. Benzene and xylenes were detected in MW-1 at 0.86 ug/l and 1.2 ug/l, respectively. MTBE was detected for the first time in Wells MW-1 (0.87 ug/l) and MW-2 (0.54 ug/l) at levels just above the laboratory detection limits. All analytes remained below the laboratory reporting limit in Well MW-4.

Recommendations

Delta is currently preparing a comprehensive site conceptual model (SCM) spreadsheet for submittal to the Alameda County Health Care Services Agency (ACHCSA). The SCM, in electronic report format,

will include recommendations for possible additional soil and groundwater investigation activities at the site in order to move towards case closure.

REMARKS

The information contained in this report represent Delta's professional opinions based upon the currently available information and is arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between 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.

If you have any questions regarding this site, please contact Debbie Arnold (Delta) at (408) 224-4724, or Mr. Denis Brown (Shell Project Manager) at (707) 865-0251.

Sincerely,

Delta Environmental Consultants, Inc.



Heather Buckingham
Senior Staff Geologist

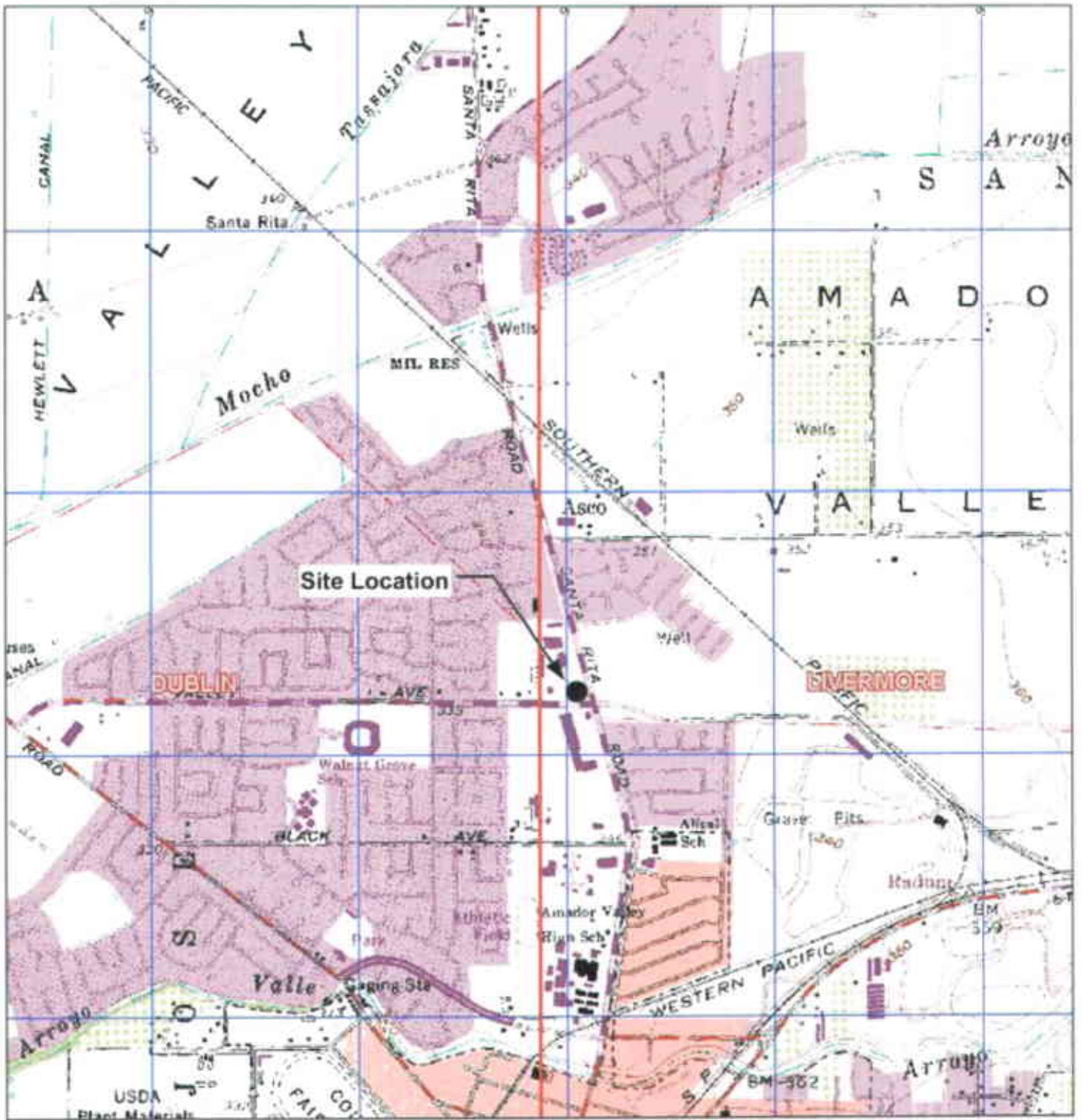


Debbie Arnold
Project Manager
PG 7745



- Attachments: Figure 1 – Site Location Map
Figure 2 – Groundwater Elevation Contour Map, October 20, 2005
Figure 3 – TPH-G, Benzene, and MTBE Concentration Map, October 20, 2005
Attachment A – Groundwater Monitoring and Sampling Report, November 8, 2005

cc: Isabel Mejia, Shell Oil Products US, Carson
Denis Brown, Shell Oil Products US (by email)



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



QUADRANGLE LOCATION

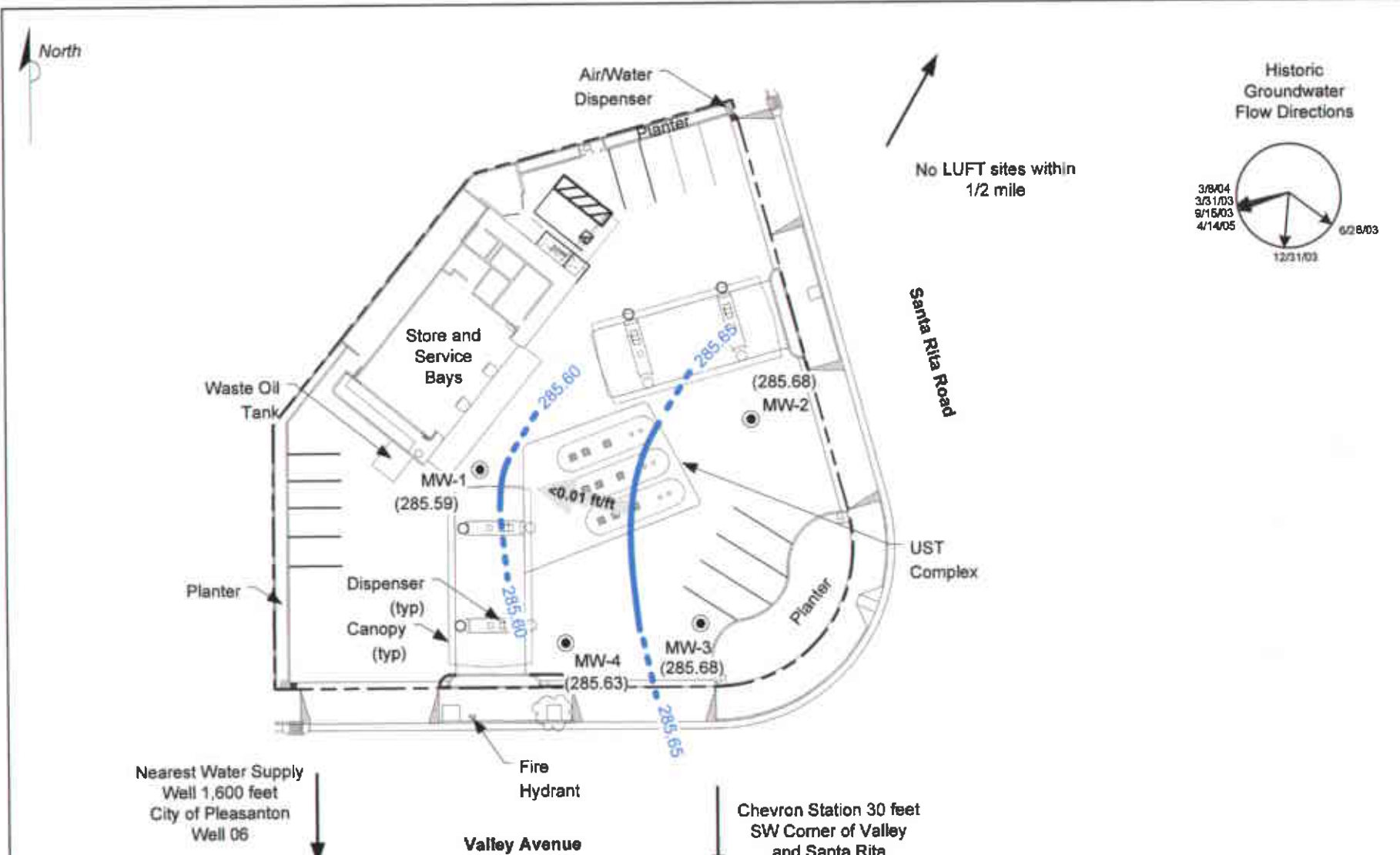


FIGURE 1
 SITE LOCATION MAP

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

PROJECT NO. SJ18-015-G-2004	DRAWN BY VF 10/23/03
FILE NO. SJ18-015-G-2004	PREPARED BY VF
REVISION NO.	REVIEWED BY





Nearest Water Supply Well 1,600 feet
City of Pleasanton Well 06

Valley Avenue

Chevron Station 30 feet
SW Corner of Valley and Santa Rita

LEGEND

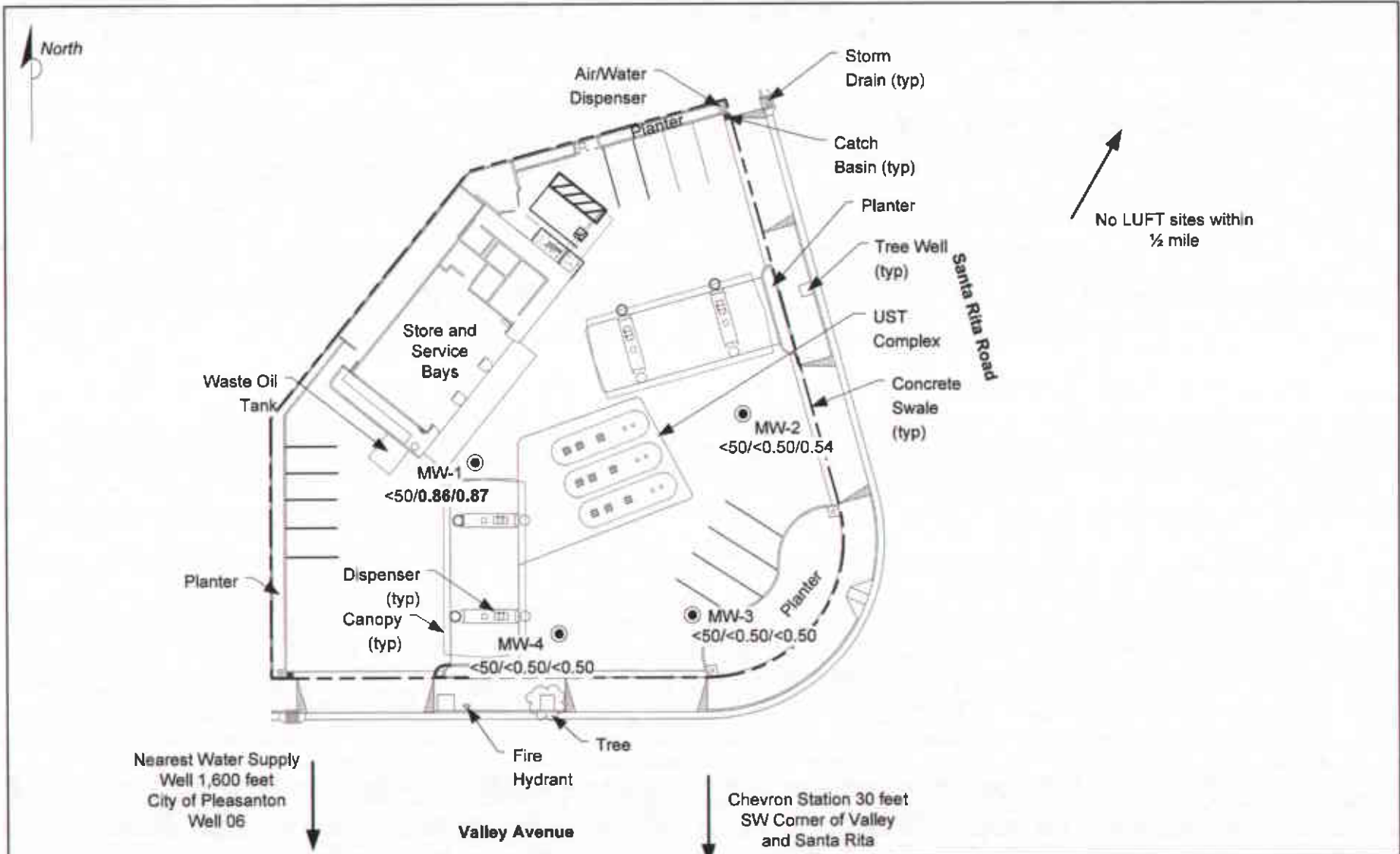
- MW-1 ● **GROUNDWATER MONITORING WELL**
- (285.68) **GROUNDWATER ELEVATION (FEET-MSL), 10/20/05**
- 285.60 — **GROUNDWATER ELEVATION CONTOUR**
- $<0.01\text{ ft/ft}$ **APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT**



FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP,
OCTOBER 20, 2005
SHELL-BRANDED SERVICE STATION
1801 Santa Rita Road
Pleasanton, California

PROJECT NO. SJ18-015-G-2005 FILE NO. SJ18-015-G-2005 REVISION NO. 2	DRAWN BY JL 11/30/05 PREPARED BY HB REVIEWED BY
------------------------------------------------------------------------------------	-------------------------------------------------------------

Delta
Environmental
Consultants, Inc.



No LUFT sites within 1/2 mile

LEGEND

MW-1 ● **GROUNDWATER MONITORING WELL**
 <50/<0.50/<0.50 **TPH-G/BENZENE/MTBE CONCENTRATIONS (UG/L), 10/20/05**



FIGURE 3
 TPH-G, BENZENE, AND MTBE CONCENTRATIONS MAP
 OCTOBER 20, 2005

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

PROJECT NO. SJ18-015-G.000G	DRAWN BY JL12/05/05
FILE NO. Sj18-015-G.000G	PREPARED BY HB
REVISION NO. 1	REVIEWED BY



Attachment A

GROUNDWATER MONITORING AND SAMPLING REPORT

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

November 8, 2005

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

Third Quarter 2005 Groundwater Monitoring at
Shell-branded Service Station
1801 Santa Rita Road
Pleasanton, CA

Monitoring performed on October 20, 2005

Groundwater Monitoring Report **051020-MN-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,

Mike Ninokata
Project Coordinator

MN/ks

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

cc: Debbie Arnold
Delta Environmental
175 Bernal Road, Suite 200
San Jose, CA 95119

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
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MW-1	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.83	NA
MW-1	12/20/2002	<50	<50	<0.50	<0.50	<0.50	0.71	<0.50	<2.0	<2.0	<2.0	<50	NA	85.60	NA
MW-1	03/31/2003	<50	75	<0.50	<0.50	<0.50	<1.0	<5.0	NA	NA	NA	NA	342.10	77.36	264.74
MW-1	06/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	72.48	269.62
MW-1	09/15/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	79.03	263.07
MW-1	12/31/2003	<50	<50	<0.50	0.99	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	70.57	271.53
MW-1	03/08/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	65.95	276.15
MW-1	06/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	66.50	275.60
MW-1	04/14/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	342.10	55.97	286.13
MW-1	10/20/2005	<50	330 b/190 b	0.86	<0.50	<0.50	1.2	0.87	<2.0	<2.0	<2.0	<5.0	342.10	56.51	285.59

MW-2	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.15	NA
MW-2	12/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<50	NA	85.00	NA
MW-2	03/31/2003	<50	63	<0.50	0.71	<0.50	<1.0	<5.0	NA	NA	NA	NA	341.57	76.63	264.94
MW-2	06/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	71.94	269.63
MW-2	09/15/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	78.41	263.16
MW-2	12/31/2003	<50	120 a	<0.50	1.3	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	69.96	271.61
MW-2	03/08/2004	<50	110 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	65.34	276.23
MW-2	06/16/2004	<50	90 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	65.86	275.71
MW-2	04/14/2005	<50	77 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.57	55.35	286.22
MW-2	10/20/2005	<50	75 a/<50	<0.50	<0.50	<0.50	<1.0	0.54	<2.0	<2.0	<2.0	<5.0	341.57	55.89	285.68

MW-3	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85.49	NA
MW-3	12/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<50	NA	85.25	NA
MW-3	03/31/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	NA	NA	NA	NA	341.65	76.81	264.84
MW-3	06/26/2003	<50	80 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	72.05	269.60

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

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-3	09/15/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	78.52	263.13
MW-3	12/31/2003	<50	<50	<0.50	1.2	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	70.15	271.50
MW-3	03/08/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	65.46	276.19
MW-3	06/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	65.87	275.78
MW-3	04/14/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	55.50	286.15
MW-3	10/20/2005	<50	55 a/<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	341.65	55.97	285.68
MW-4	12/12/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	84.36	NA
MW-4	12/20/2002	<50	69	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<50	NA	84.15	NA
MW-4	03/31/2003	<50	70	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	340.68	75.90	264.78
MW-4	06/26/2003	<50	86 a	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	71.01	269.67
MW-4	09/15/2003	<50	120 a	1.0	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	77.57	263.11
MW-4	12/31/2003	<50	<50	<0.50	0.64	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	69.15	271.53
MW-4	03/08/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	64.51	276.17
MW-4	06/16/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	65.04	275.64
MW-4	04/14/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	54.53	286.15
MW-4	10/20/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	340.68	55.05	285.63

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

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

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

TBA = Tertiary Butanol or Tertiary butyl alcohol

n/n = TEPH/TEPH w/Silica Gel Clean-up

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

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.

Site surveyed January 14, 2003 by Mid Coast Engineers.

Blaine Tech Services, Inc.

November 03, 2005

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Michael Ninokata
Project#: BTS#051020-MN1
Project: 97615964
Site: 1801 Santa Rita Rd., Pleasanton

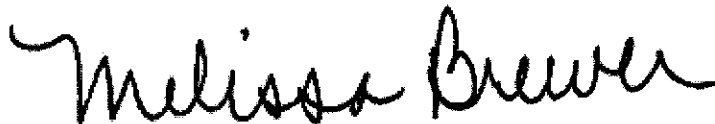
Attached is our report for your samples received on 10/21/2005 14:39
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
12/05/2005 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.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/20/2005 11:31	Water	1
MW-3	10/20/2005 12:12	Water	2
MW-2	10/20/2005 15:28	Water	3
MW-4	10/20/2005 14:42	Water	4

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-1 Lab ID: 2005-10-0484 - 1
Sampled: 10/20/2005 11:31 Extracted: 10/28/2005 10:25
Matrix: Water QC Batch#: 2005/10/28-1A.64
pH: <2

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/28/2005 10:25	
Benzene	0.86	0.50	ug/L	1.00	10/28/2005 10:25	
Toluene	ND	0.50	ug/L	1.00	10/28/2005 10:25	
Ethylbenzene	ND	0.50	ug/L	1.00	10/28/2005 10:25	
Total xylenes	1.2	1.0	ug/L	1.00	10/28/2005 10:25	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/28/2005 10:25	
Methyl tert-butyl ether (MTBE)	0.87	0.50	ug/L	1.00	10/28/2005 10:25	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/28/2005 10:25	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/28/2005 10:25	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/28/2005 10:25	
Surrogate(s)						
1,2-Dichloroethane-d4	106.5	73-130	%	1.00	10/28/2005 10:25	
Toluene-d8	106.8	81-114	%	1.00	10/28/2005 10:25	

Severn Trent Laboratories, Inc.

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

10/29/2005 14:17

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-3 Lab ID: 2005-10-0484 - 2
Sampled: 10/20/2005 12:12 Extracted: 10/26/2005 23:08
Matrix: Water QC Batch#: 2005/10/26-2A.71
pH: <2

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/26/2005 23:08	
Benzene	ND	0.50	ug/L	1.00	10/26/2005 23:08	
Toluene	ND	0.50	ug/L	1.00	10/26/2005 23:08	
Ethylbenzene	ND	0.50	ug/L	1.00	10/26/2005 23:08	
Total xylenes	ND	1.0	ug/L	1.00	10/26/2005 23:08	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/26/2005 23:08	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/26/2005 23:08	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/26/2005 23:08	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/26/2005 23:08	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/26/2005 23:08	
Surrogate(s)						
1,2-Dichloroethane-d4	99.4	73-130	%	1.00	10/26/2005 23:08	
Toluene-d8	98.1	81-114	%	1.00	10/26/2005 23:08	

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

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-2 Lab ID: 2005-10-0484 - 3
Sampled: 10/20/2005 15:28 Extracted: 10/29/2005 11:20
Matrix: Water QC Batch#: 2005/10/29-1A.64
pH: <2

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/29/2005 11:20	
Benzene	ND	0.50	ug/L	1.00	10/29/2005 11:20	
Toluene	ND	0.50	ug/L	1.00	10/29/2005 11:20	
Ethylbenzene	ND	0.50	ug/L	1.00	10/29/2005 11:20	
Total xylenes	ND	1.0	ug/L	1.00	10/29/2005 11:20	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/29/2005 11:20	
Methyl tert-butyl ether (MTBE)	0.54	0.50	ug/L	1.00	10/29/2005 11:20	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/29/2005 11:20	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/29/2005 11:20	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/29/2005 11:20	
Surrogate(s)						
1,2-Dichloroethane-d4	96.4	73-130	%	1.00	10/29/2005 11:20	
Toluene-d8	107.0	81-114	%	1.00	10/29/2005 11:20	

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

Blaine Tech Services, Inc.

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-4	Lab ID:	2005-10-0484 - 4
Sampled:	10/20/2005 14:42	Extracted:	10/26/2005 23:35
Matrix:	Water	QC Batch#:	2005/10/26-2A.71
pH:	<2		

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	1.00	10/26/2005 23:35	
Benzene	ND	0.50	ug/L	1.00	10/26/2005 23:35	
Toluene	ND	0.50	ug/L	1.00	10/26/2005 23:35	
Ethylbenzene	ND	0.50	ug/L	1.00	10/26/2005 23:35	
Total xylenes	ND	1.0	ug/L	1.00	10/26/2005 23:35	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	10/26/2005 23:35	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	10/26/2005 23:35	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	10/26/2005 23:35	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	10/26/2005 23:35	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	10/26/2005 23:35	
Surrogate(s)						
1,2-Dichloroethane-d4	98.6	73-130	%	1.00	10/26/2005 23:35	
Toluene-d8	100.1	81-114	%	1.00	10/26/2005 23:35	

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

Blaine Tech Services, Inc.

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/10/26-2A.71-004

Water

Test(s): 8260B

QC Batch # 2005/10/26-2A.71

Date Extracted: 10/26/2005 19:24

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/26/2005 19:24	
Benzene	ND	0.5	ug/L	10/26/2005 19:24	
Toluene	ND	0.5	ug/L	10/26/2005 19:24	
Ethylbenzene	ND	0.5	ug/L	10/26/2005 19:24	
Total xylenes	ND	1.0	ug/L	10/26/2005 19:24	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/26/2005 19:24	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/26/2005 19:24	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/26/2005 19:24	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/26/2005 19:24	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/26/2005 19:24	
Surrogates(s)					
1,2-Dichloroethane-d4	102.5	73-130	%	10/26/2005 19:24	
Toluene-d8	106.0	81-114	%	10/26/2005 19:24	

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

Blaine Tech Services, Inc.

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/10/28-1A.64-028

Water

Test(s): 8260B

QC Batch # 2005/10/28-1A.64

Date Extracted: 10/28/2005 08:28

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/28/2005 08:28	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/28/2005 08:28	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/28/2005 08:28	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/28/2005 08:28	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/28/2005 08:28	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/28/2005 08:28	
Benzene	ND	0.5	ug/L	10/28/2005 08:28	
Toluene	ND	0.5	ug/L	10/28/2005 08:28	
Ethylbenzene	ND	0.5	ug/L	10/28/2005 08:28	
Total xylenes	ND	1.0	ug/L	10/28/2005 08:28	
Surrogates(s)					
1,2-Dichloroethane-d4	100.4	73-130	%	10/28/2005 08:28	
Toluene-d8	105.8	81-114	%	10/28/2005 08:28	

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10/29/2005 14:17

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

Blaine Tech Services, Inc.

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Method Blank

MB: 2005/10/29-1A.64-006

Water

Test(s): 8260B

QC Batch # 2005/10/29-1A.64

Date Extracted: 10/29/2005 09:06

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline [Shell]	ND	50	ug/L	10/29/2005 09:06	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	10/29/2005 09:06	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	10/29/2005 09:06	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	10/29/2005 09:06	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	10/29/2005 09:06	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	10/29/2005 09:06	
Benzene	ND	0.5	ug/L	10/29/2005 09:06	
Toluene	ND	0.5	ug/L	10/29/2005 09:06	
Ethylbenzene	ND	0.5	ug/L	10/29/2005 09:06	
Total xylenes	ND	1.0	ug/L	10/29/2005 09:06	
Surrogates(s)					
1,2-Dichloroethane-d4	99.2	73-130	%	10/29/2005 09:06	
Toluene-d8	104.2	81-114	%	10/29/2005 09:06	

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

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/26-2A.71

LCS 2005/10/26-2A.71-057

Extracted: 10/26/2005

Analyzed: 10/26/2005 18:57

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.5		25	98.0			65-165	20		
Benzene	26.7		25	106.8			69-129	20		
Toluene	25.7		25	102.8			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	484		500	96.8			73-130			
Toluene-d8	535		500	107.0			81-114			

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10/29/2005 14:17

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

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/28-1A.64

LCS 2005/10/28-1A.64-007

Extracted: 10/28/2005

Analyzed: 10/28/2005 08:07

LCSD 2005/10/28-1A.64-050

Extracted: 10/28/2005

Analyzed: 10/28/2005 08:49

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	25.4	24.2	25	101.6	96.8	4.8	65-165	20		
Benzene	27.8	27.6	25	111.2	110.4	0.7	69-129	20		
Toluene	26.7	27.3	25	106.8	109.2	2.2	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	480	476	500	96.0	95.2		73-130			
Toluene-d8	528	544	500	105.6	108.8		81-114			

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10/29/2005 14:17

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

Blaine Tech Services, Inc.

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/10/29-1A.64

LCS 2005/10/29-1A.64-045
LCSD

Extracted: 10/29/2005

Analyzed: 10/29/2005 08:45

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	23.2		25	92.8			65-165	20		
Benzene	26.4		25	105.6			69-129	20		
Toluene	25.8		25	103.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	466		500	93.2			73-130			
Toluene-d8	534		500	106.8			81-114			

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

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Project: BTS#051020-MN1

97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/26-2A.71

MW-2 >> MS

Lab ID: 2005-10-0484 - 003

MS: 2005/10/26-2A.71-048

Extracted: 10/26/2005

Analyzed: 10/26/2005 21:48

Dilution: 50.00

MSD: 2005/10/26-2A.71-015

Extracted: 10/26/2005

Analyzed: 10/26/2005 22:15

Dilution: 50.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	1140	1210	45	1250	87.6	93.2	6.2	65-165	20		
Benzene	1180	1240	1.73	1250	94.3	99.1	5.0	69-129	20		
Toluene	1130	1190	ND	1250	90.4	95.2	5.2	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	459	465		500	91.8	93.0		73-130			
Toluene-d8	518	503		500	103.6	100.6		81-114			

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10/29/2005 14:17

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#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/28-1A.64

MS/MSD

Lab ID: 2005-10-0549 - 001

MS: 2005/10/28-1A.64-049

Extracted: 10/28/2005

Analyzed: 10/28/2005 11:49

Dilution: 1.00

MSD: 2005/10/28-1A.64-010

Extracted: 10/28/2005

Analyzed: 10/28/2005 12:10

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	31.1	31.5	6.94	25	96.6	98.2	1.6	65-165	20		
Benzene	25.2	26.1	ND	25	100.8	104.4	3.5	69-129	20		
Toluene	24.8	25.0	ND	25	99.2	100.0	0.8	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	509	509		500	101.8	101.8		73-130			
Toluene-d8	529	538		500	105.8	107.6		81-114			

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10/29/2005 14:17

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

Blaine Tech Services, Inc.

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/10/29-1A.64

MS/MSD

Lab ID: 2005-10-0563 - 006

MS: 2005/10/29-1A.64-099

Extracted: 10/29/2005

Analyzed: 10/29/2005 09:45

Dilution: 1.00

MSD: 2005/10/29-1A.64-088

Extracted: 10/29/2005

Analyzed: 10/29/2005 10:06

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	19.9	23.4	ND	25	79.6	93.6	16.2	65-165	20		
Benzene	28.2	26.7	ND	25	112.8	106.8	5.5	69-129	20		
Toluene	27.5	25.4	ND	25	110.0	101.6	7.9	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	449	506		500	89.8	101.2		73-130			
Toluene-d8	531	535		500	106.2	107.0		81-114			

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10/29/2005 14:17

Diesel (C9-C24)

Blaine Tech Services, Inc.

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/20/2005 11:31	Water	1
MW-3	10/20/2005 12:12	Water	2
MW-2	10/20/2005 15:28	Water	3
MW-4	10/20/2005 14:42	Water	4

Diesel (C9-C24)

Blaine Tech Services, Inc.

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-1	Lab ID: 2005-10-0484 - 1
Sampled: 10/20/2005 11:31	Extracted: 10/28/2005 14:54
Matrix: Water	QC Batch#: 2005/10/28-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	330	50	ug/L	1.00	10/31/2005 20:47	Q6
Surrogate(s)						
o-Terphenyl	116.0	64-127	%	1.00	10/31/2005 20:47	

Diesel (C9-C24)

Blaine Tech Services, Inc.

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Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-3	Lab ID: 2005-10-0484 - 2
Sampled: 10/20/2005 12:12	Extracted: 10/28/2005 14:54
Matrix: Water	QC Batch#: 2005/10/28-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	55	50	ug/L	1.00	10/31/2005 21:15	ndp
<i>Surrogate(s)</i>						
o-Terphenyl	116.2	64-127	%	1.00	10/31/2005 21:15	

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11/01/2005 14:46

Diesel (C9-C24)

Blaine Tech Services, Inc.

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-2	Lab ID: 2005-10-0484 - 3
Sampled: 10/20/2005 15:28	Extracted: 10/28/2005 14:54
Matrix: Water	QC Batch#: 2005/10/28-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	75	50	ug/L	1.00	10/31/2005 21:42	ndp
Surrogate(s) o-Terphenyl	115.2	64-127	%	1.00	10/31/2005 21:42	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 3511	Test(s): 8015M
Sample ID: MW-4	Lab ID: 2005-10-0484 - 4
Sampled: 10/20/2005 14:42	Extracted: 10/28/2005 14:54
Matrix: Water	QC Batch#: 2005/10/28-04.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	10/31/2005 10:09	
Surrogate(s) o-Terphenyl	119.6	64-127	%	1.00	10/31/2005 10:09	

Diesel (C9-C24)

Blaine Tech Services, Inc.
Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 3511
Method Blank
MB: 2005/10/28-04.10-001

Water

Test(s): 8015M
QC Batch # 2005/10/28-04.10
Date Extracted: 10/28/2005 14:54

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	10/31/2005 16:15	
Surrogates(s) o-Terphenyl	111.2	64-127	%	10/31/2005 16:15	

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 3511

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2005/10/28-04.10

LCS 2005/10/28-04.10-002

Extracted: 10/28/2005

Analyzed: 10/31/2005 15:17

LCSD 2005/10/28-04.10-003

Extracted: 10/28/2005

Analyzed: 10/31/2005 15:47

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	597	540	714	83.6	75.6	10.1	60-150	25		
Surrogates(s) o-Terphenyl	1.59	1.46	1.25	126.9	117.1		64-127	0		

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

11/01/2005 14:46

Diesel (C9-C24)

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Q6

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

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

11/01/2005 14:46

Diesel (C9-C24) with Silica Gel Clean-up

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	10/20/2005 11:31	Water	1
MW-3	10/20/2005 12:12	Water	2
MW-2	10/20/2005 15:28	Water	3

Diesel (C9-C24) with Silica Gel Clean-up

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 3511 Test(s): 8015M
Sample ID: MW-1 Lab ID: 2005-10-0484 - 1
Sampled: 10/20/2005 11:31 Extracted: 10/31/2005 10:43
Matrix: Water QC Batch#: 2005/10/31-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	190	50	ug/L	1.00	11/01/2005 03:34	Q6
Surrogate(s)						
o-Terphenyl	117.6	60-130	%	1.00	11/01/2005 03:34	

Diesel (C9-C24) with Silica Gel Clean-up

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 3511 Test(s): 8015M
Sample ID: MW-3 Lab ID: 2005-10-0484 - 2
Sampled: 10/20/2005 12:12 Extracted: 10/31/2005 10:43
Matrix: Water QC Batch#: 2005/10/31-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/01/2005 06:17	
<i>Surrogate(s)</i>						
o-Terphenyl	113.1	60-130	%	1.00	11/01/2005 06:17	

Diesel (C9-C24) with Silica Gel Clean-up

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Prep(s): 3511 Test(s): 8015M
Sample ID: MW-2 Lab ID: 2005-10-0484 - 3
Sampled: 10/20/2005 15:28 Extracted: 10/31/2005 10:43
Matrix: Water QC Batch#: 2005/10/31-03.10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	11/01/2005 06:44	
Surrogate(s)						
o-Terphenyl	111.1	60-130	%	1.00	11/01/2005 06:44	

Diesel (C9-C24) with Silica Gel Clean-up

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 3511

Method Blank

MB: 2005/10/31-03.10-001

Water

Test(s): 8015M

QC Batch # 2005/10/31-03.10

Date Extracted: 10/31/2005 10:43

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	50	ug/L	11/01/2005 04:55	
Surrogates(s) o-Terphenyl	115.8	60-130	%	11/01/2005 04:55	

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

11/03/2005 11:19

Diesel (C9-C24) with Silica Gel Clean-up

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Batch QC Report

Prep(s): 3511

Test(s): 8015M

Laboratory Control Spike

Water

QC Batch # 2005/10/31-03.10

LCS 2005/10/31-03.10-002

Extracted: 10/31/2005

Analyzed: 11/01/2005 05:22

LCSD 2005/10/31-03.10-003

Extracted: 10/31/2005

Analyzed: 11/01/2005 05:50

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	575	545	714	80.5	76.3	5.4	60-150	25		
Surrogates(s) o-Terphenyl	1.48	1.41	1.25	118.6	112.8		60-130	0		

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

11/03/2005 11:19

Diesel (C9-C24) with Silica Gel Clean-up

Blaine Tech Services, Inc.

Attn.: Michael Ninokata

1680 Rogers Avenue

San Jose, CA 95112-1105

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

Project: BTS#051020-MN1
97615964

Received: 10/21/2005 14:39

Site: 1801 Santa Rita Rd., Pleasanton

Legend and Notes

Result Flag

Q6

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

LAB: SR

SHELL Chain Of Custody Record

98529

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

- SCIENCE & ENGINEERING
- TECHNICAL SERVICES
- CRMT HOUSTON

Denis Brown

2005-10-0484

INCIDENT NUMBER (S&E ONLY)

9 7 6 1 5 9 6 4

SAP or CRMT NUMBER (TS/CRMT)

DATE: 10/20/05

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services		LOG CODE: BTSS	SITE ADDRESS (Street and City): 1801 Santa Rita Rd., Pleasanton		GLOBAL ID NO.: pending
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		EDF DELIVERABLE TO (Responsible Party or Designee): Heather Buckingham		PHONE NO.: (408)224-4724	E-MAIL: hbuckingham@deltaenv.com
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata		SAMPLER NAME(S) (Print): <i>Michael Ninokata</i>		CONSULTANT PROJECT NO.: BTS # 057010-0001	
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: mninokata@blainetech.com		LAB USE ONLY:	

TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS
 5 DAYS
 72 HOURS
 48 HOURS
 24 HOURS
 LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT
 UST AGENCY:

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

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

Run TPH'd with silica gel cleanup if detected

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	TPH - Diesel, Extractable									
	MW-1	10/20/05	1131	H ₂ O	B	X	X			X	X									
	MW-3		1212			X	X			X	X									
	MW-2		1528			X	X			X	X									
	MW-4		1442	D	D	X	X			X	X									

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT: 4

Relinquished by: (Signature) <i>Rob W</i>	Received by: (Signature) <i>Michael Sample Custodian</i>	Date: <u>10/20/05</u>	Time: <u>1605</u>
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: <u>10/21/05</u>	Time: <u>1439</u>
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>Jon Bull</i>	Date: <u>10/21/05</u>	Time: <u>17:45</u>

Repair Data Sheet

Client Shell Date 5/31/05
 Site Address 1801 Santa Rita RD
 Job Number 053105AAL Technician Andrew Adinolfi

Inspection Point (Well ID or description of location)	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
	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade						
MW-4					X												X
Notes: <u>Annular Seal fixed, HOLE IN ANNULAR SEAL</u>																	
MW-1						X											X
Notes: <u>Replaced wellbox, 1 OF 2 TABS BROKEN</u>																	
Notes:																	
Notes:																	
Notes:																	

WELL GAUGING DATA

Project # 051020-MN1 Date 10/20/05 Client SHELL

Site 1801 SANTA ALTA Rd., Pleasanton

Well ID	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 <u>TOC</u>	
MW-1	4					56.51	91.54	↓	
MW-2	4					55.89	92.88		4
MW-3	4					55.97	96.70		
MW-4	2					55.05	94.28		↓

