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By dehloptoxic at 9:21 am, Nov 20, 2006

November 17, 2006
Project SJ11-55P-1
SAP: 135441

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

DELTA

Re: Final Groundwater Monitoring & Sampling Event and Request for Case Closure Letter
Former Shell Service Station
1155 Portola Avenue
Livermore, California

Dear Mr. Wickham:

Delta Environmental Consultants, Inc. (Delta), on behalf of Shell Oil Products US (Shell), presents the results of the most recent groundwater monitoring and sampling event, and requests issuance of a no further action case closure letter for the site referenced above.

SITE DESCRIPTION

The site is located on the eastern corner of Portola Avenue and Murietta Boulevard, in Livermore, California (Figure 1). The site is the location of a former Shell-branded service station. Prior to fuel system removal activities, the station facilities consisted of a convenience store, four fuel dispensers under two separate canopies, and three 12,000-gallon fuel Underground Storage Tanks (USTs). The former site layout is presented on Figure 2. Dispensers, product piping, and USTs were removed as part of a real estate transaction in January 2006.

BACKGROUND

In October 2002, KHM Environmental Management, Inc. (now Delta) supervised the installation of Wells MW-1 through MW-4 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 submitted for the site in June 2003 based on detections of methyl tert-butyl ether (MTBE) in groundwater. Shell subsequently received a notice of responsibility letter dated July 10, 2003 from the Alameda County Health Care Services Agency (ACHCSA) placing the site in the Local Oversight Program.

Within the Local Oversight Program, quarterly groundwater monitoring has been performed at the site since December 2003 (15 events). During the most recent groundwater monitoring event (September 21, 2006), the groundwater flow was towards the west-northwest at a magnitude of 0.02 ft/ft. The groundwater flow direction has historically varied between northwest and south. A groundwater contour elevation map is included as Figure 2. During third quarter 2006, MTBE was detected in Well MW-2 at a concentration of 34.2 micrograms per liter (ug/l). All other analytes were below the laboratory reporting limits. A summary table of the historical groundwater analytical results, along with the third quarter 2006 certified analytical report and corresponding field data sheets, is included as Attachment A. Groundwater monitoring and sampling is currently suspended pending response from the ACHCSA.

The fuel system removal activities during January 2006 were conducted by Able Maintenance, Inc. On January 20, 2006, a second URR was submitted by Delta to the Livermore/Pleasanton Fire Department based on soil staining and product odor observed in the field during fuel system removal soil sampling activities. Delta collected a total of 30 soil samples from underneath the former USTs, dispensers, and product piping. Minor petroleum hydrocarbon impacts (total petroleum hydrocarbons as gas, TPH-G) were detected in only one soil sample collected beneath the former southern fuel dispenser area. Soils in this location were over-excavated based on field observations, and TPH-G was not detected in the confirmation sample.

REQUEST FOR LETTER OF NO FUTHER ACTION

Shell requests that the ACHCSA case for this site be closed and a letter issued stating that no further monitoring or remediation activities are required. This request is based on the following:

There are no apparent recent releases of petroleum hydrocarbons at the site.

- No field evidence of petroleum hydrocarbons (elevated (> 10 ppmv) photo-ionization detector readings, discoloration, or odor) was noted on any of the boring logs for the four on-site monitoring wells in December 2002.

- Verification samples collected in January 2006 from the bottom and sides of the former fuel system excavations did not contain any detectable concentrations of petroleum hydrocarbons or fuel oxygenates. A summary of the soil analytical results and the corresponding soil sample location map is included as Attachment B.

- TPH-G was detected at a concentration of 220 mg/kg in soil Sample S-10@2.5' collected beneath the southern fuel dispenser. The sample location was subsequently over-excavated and the confirmation sample (S-10@5') did not contain any detectable petroleum hydrocarbons or fuel oxygenates.

Petroleum hydrocarbon and fuel oxygenate impacts to site groundwater have decreased and appear to be limited.

- TPH-G has been detected in site wells (with the exception of Well MW-2) at a maximum concentration of 76 ug/l. TPH-G detections have not matched the laboratory's standard pattern with the exception of a third quarter 2003 detection in Well MW-1. TPH-G has not been detected in any site well for at least the last six quarters.

- Total petroleum hydrocarbons as diesel (TPH-D) were detected twice, during fourth quarter 2002 at 61 ug/l and during first quarter 2003 at 56 ug/l.

- Benzene has only been detected twice (Well MW-4) at concentrations of 0.82 ug/l and 0.55 ug/l.

- Low-level concentrations (≤ 7 ug/l) of BTEX compounds have been sporadically detected in site wells. With the exception of xylenes, BTEX compounds have not been detected in site wells for the last six quarters.

- MTBE has been detected in Wells MW-1, MW-2, and MW-3. A consistently decreasing trend has been observed in MTBE concentrations beneath the site. MTBE was detected at a maximum concentration of 400 ug/l in Well MW-2 during third quarter 2003, and is currently only detected at 34.2 ug/l. MTBE has not been detected in Well MW-1 for the past five quarters, and MTBE has not been detected in Well MW-3 for the past eight quarters.

- The only other fuel oxygenate to be detected in site wells – tert butanol (TBA) - was detected during second quarter 2005 in Wells MW-1 through MW-3 at a maximum concentration of 12 ug/l. The San Francisco-Regional Water Quality Control Board Environmental Screening Level (SF-RWQCB ESL) for TBA is 12 ug/l (where groundwater is a potential source of drinking water). TBA was not detected in site wells during any other quarter.

There are no known nearby sensitive receptors.

- No drinking water supply wells were identified within 1,000 feet of the site.

Upon receipt of a case closure concurrence letter, Shell intends to destroy site Wells MW-1 through MW-4. Delta, on behalf of Shell, will obtain the appropriate well destruction permits prior to beginning any well destruction activities. Delta will submit a well destruction report to the ACHCSA.

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.

If you have any questions regarding this site, please contact Debbie Arnold at (408) 826-1873, or Mr. Denis Brown (Shell Project Manager) at (707) 865-0251.

Sincerely,
DELTA ENVIRONMENTAL CONSULTANTS, INC.

D. Arnold

Debbie Arnold, PG 7745
Project Manager

PROFESSIONAL GEOLOGIST
DEBORAH ARNOLD
NO. 7745
STATE OF CALIFORNIA

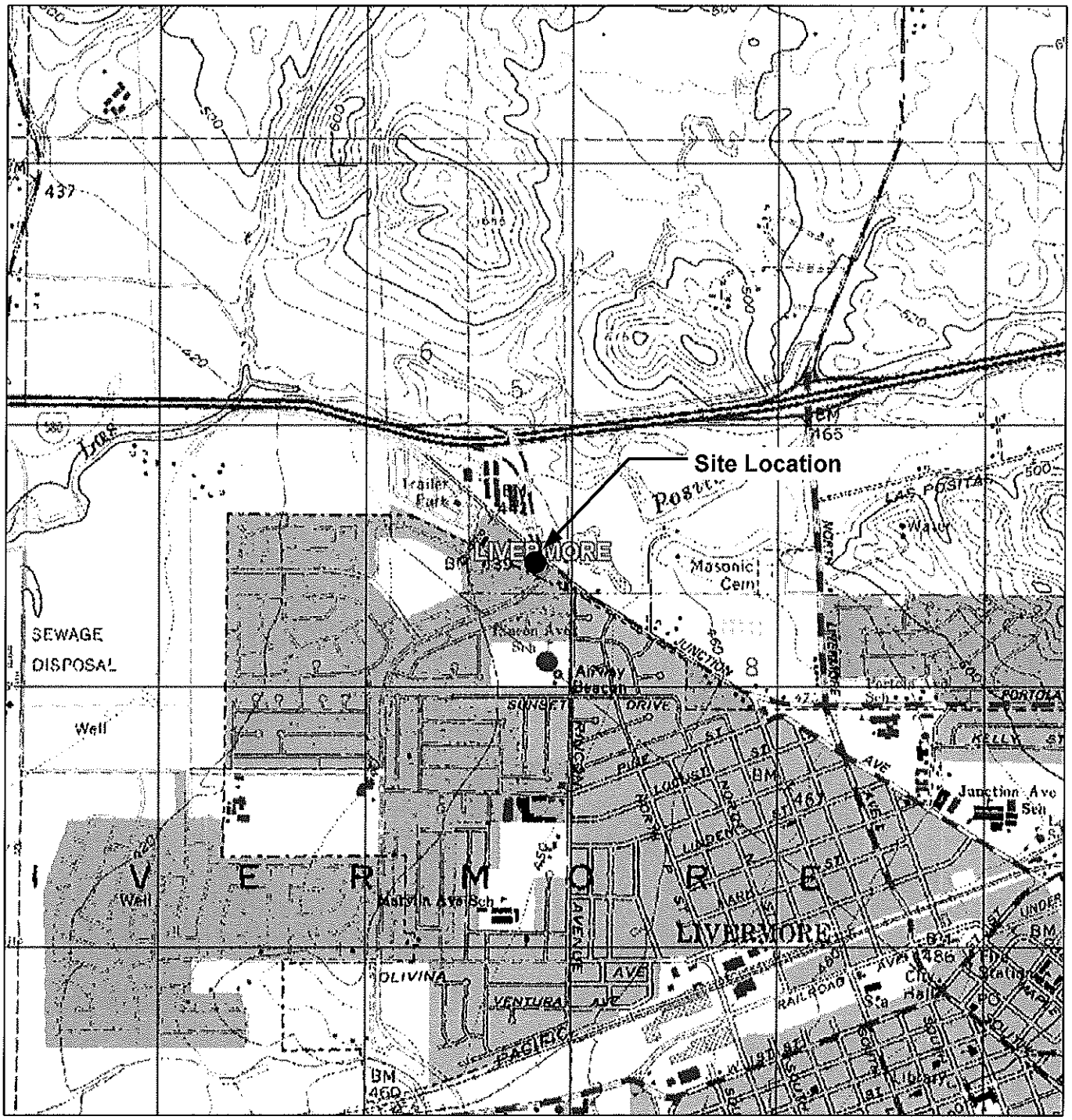
Attachments:

Figure 1 – Site Location Map
Figure 2 – Groundwater Contour Elevation Map, September 21, 2006

Attachment A – Groundwater Monitoring and Sampling Report, October 17, 2006
Attachment B – Summary of Soil Analytical Data and Soil Sample Location Map

cc: Denis Brown, Shell Oil Products US (pdf by email)
Danielle Stefani, Livermore-Pleasanton Fire Department, Livermore
Terrell and Kimberley Bass, Danville

FIGURES



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

North

QUADRANGLE LOCATION

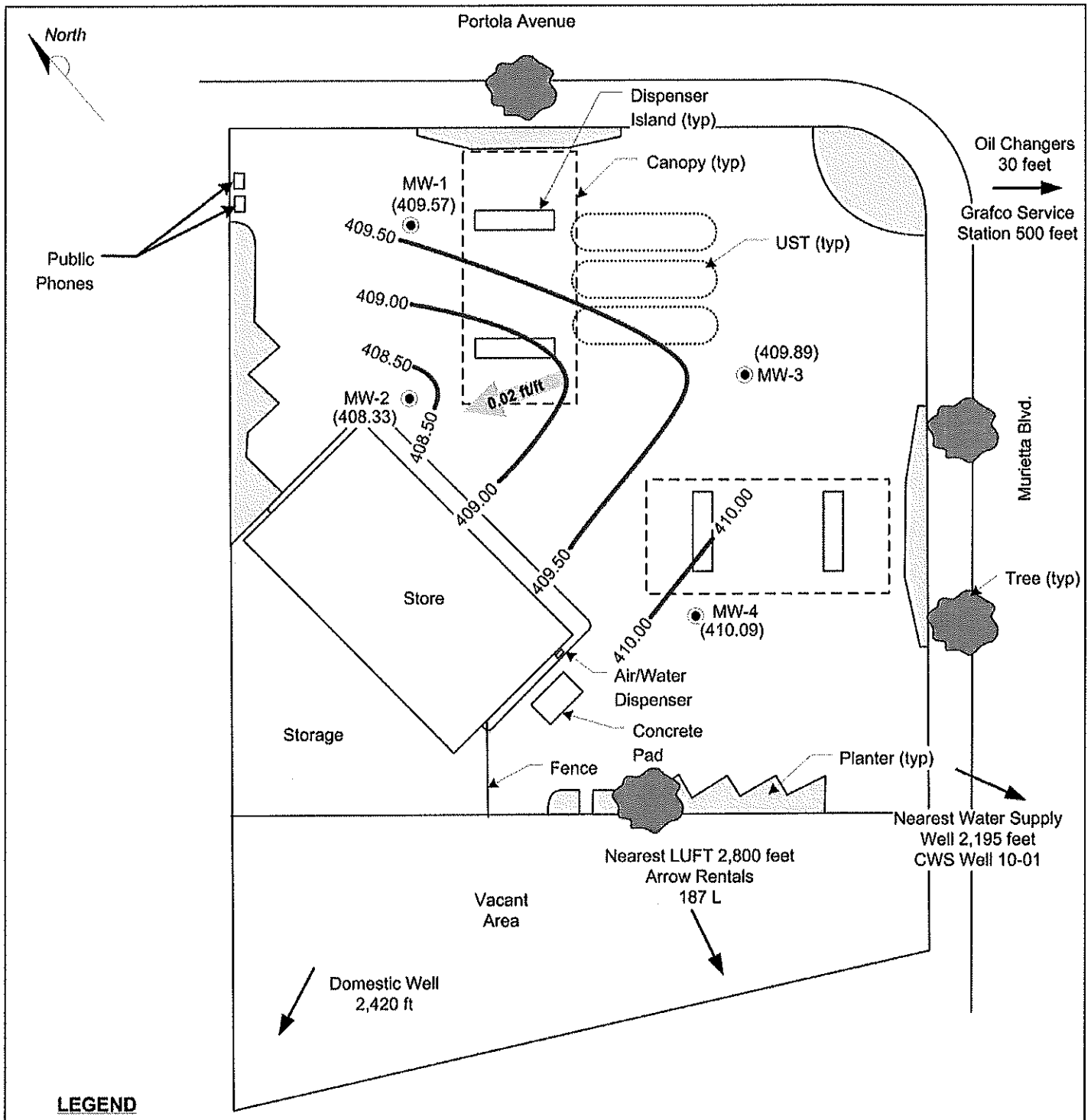
0 1,800 3,600
Scale, Feet

FIGURE 1
SITE LOCATION MAP

FORMER SHELL-BRANDED SERVICE STATION
1155 Portola Avenue
Livermore, California

PROJECT NO. SJ11-55P-1.2005	DRAWN BY VF 10/22/03
FILE NO. SJ11-55P-1.2005	PREPARED BY VF
REVISION NO.	REVIEWED BY

Delta
Environmental
Consultants, Inc.



LEGEND

MW-4 — **GROUNDWATER MONITORING WELL**

(408.33) — **GROUNDWATER ELEVATION (FEET - MSL), 09/21/06**

409.50 — **GROUNDWATER ELEVATION CONTOUR**

0.02 ft/ft — **APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT**

0 30 FT

APPROX. SCALE

FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP, SEPTEMBER 21, 2006

FORMER SHELL-BRANDED SERVICE STATION
1155 Portola Avenue
Livermore, California

PROJECT NO. SJ11-55P-1.2006	DRAWN BY BH 10/23/06
FILE NO. SJ11-55P-1.2006	PREPARED BY HB
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.

ATTACHMENT A

GROUNDWATER MONITORING AND SAMPLING REPORT, OCTOBER 17, 2006

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

October 17, 2006

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

Third Quarter 2006 Groundwater Monitoring at
Shell-branded Service Station
1155 Portola Avenue
Livermore, CA

Monitoring performed on September 21, 2006

Groundwater Monitoring Report **060921-CG-2**

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

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

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

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

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Coordinator

MN/ks

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

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

WELL CONCENTRATIONS
Shell-branded Service Station
1155 Portola Avenue
Livermore, 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.)	Screened Interval (ft.)	GW Elevation (MSL)
MW-1	12/05/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.12	40-59	NA
MW-1	12/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	78	<2.0	<2.0	<2.0	<50	NA	38.40	40-59	NA
MW-1	03/28/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	7.0	<2.0	<2.0	<2.0	<5.0	443.81	36.25	40-59	407.56
MW-1	06/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	1.4	<2.0	<2.0	<2.0	<5.0	443.81	39.53	40-59	404.28
MW-1	08/25/2003	64	NA	<0.50	<0.50	<0.50	<1.0	53	<2.0	<2.0	<2.0	<5.0	443.81	42.52	40-59	401.29
MW-1	12/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	443.81	36.84	40-59	406.97
MW-1	03/08/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	3.9	<2.0	<2.0	<2.0	<5.0	443.81	31.75	40-59	412.06
MW-1	06/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	0.91	<2.0	<2.0	<2.0	<5.0	443.81	38.24	40-59	405.57
MW-1	09/01/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	4.7	NA	NA	NA	NA	443.81	44.66	40-59	399.15
MW-1	12/23/2004	<50 c	NA	<0.50	2.3	1.4	3.6	<0.50	NA	NA	NA	NA	443.81	39.14	40-59	404.67
MW-1	02/28/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	0.54	NA	NA	NA	NA	443.81	32.95	40-59	410.86
MW-1	06/13/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	6.8	443.81	35.00	40-59	408.81
MW-1	09/19/2005	<50	NA	<0.50	<0.50	<0.50	1.2	<0.50	NA	NA	NA	<5.0	443.81	39.29	40-59	404.52
MW-1	12/07/2005	<50	NA	<0.50	<0.50	<0.50	0.56	<0.50	NA	NA	NA	<5.0	443.81	37.56	40-59	406.25
MW-1	03/03/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	443.81	34.00	40-59	409.81
MW-1	**09/21/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<10.0**	**443.81**	**34.24**	**40-59**	**409.57**
MW-2	12/05/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.57	40-60	NA
MW-2	12/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	190	<2.0	<2.0	<2.0	<50	NA	40.00	40-60	NA
MW-2	03/28/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	46	<2.0	<2.0	<2.0	<5.0	444.61	37.40	40-60	407.21
MW-2	06/26/2003	<500	<50	<5.0	<5.0	<5.0	<10	330	<20	<20	<20	<50	444.61	40.51	40-60	404.10
MW-2	08/25/2003	<500	NA	<5.0	<5.0	<5.0	<10	400	<20	<20	<20	<50	444.61	43.38	40-60	401.23
MW-2	12/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	27	<2.0	<2.0	<2.0	<5.0	444.61	37.92	40-60	406.69
MW-2	03/08/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	444.61	33.40	40-60	411.21
MW-2	06/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	85	<2.0	<2.0	<2.0	<5.0	444.61	39.18	40-60	405.43
MW-2	09/01/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	140	NA	NA	NA	NA	444.61	45.03	40-60	399.58

WELL CONCENTRATIONS
Shell-branded Service Station
1155 Portola Avenue
Livermore, 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.)	Screened Interval (ft.)	GW Elevation (MSL)
MW-2	12/23/2004	<50	NA	<0.50	1.7	0.75	2.6	32	NA	NA	NA	NA	444.61	39.97	40-60	404.64
MW-2	02/28/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	0.74	NA	NA	NA	NA	444.61	34.20	40-60	410.41
MW-2	06/13/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	6.0	444.61	36.00	40-60	408.61
MW-2	09/19/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	8.6	NA	NA	NA	<5.0	444.61	40.08	40-60	404.53
MW-2	12/07/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	6.0	NA	NA	NA	<5.0	444.61	38.68	40-60	405.93
MW-2	03/03/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	444.61	35.18	40-60	409.43
MW-2	**09/21/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**34.2**	**<0.500**	**<0.500**	**<0.500**	**<10.0**	**444.61**	**36.28**	**40-60**	**408.33**
MW-3	12/05/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.49	40-55	NA
MW-3	12/20/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	8.7	<2.0	<2.0	<2.0	<50	NA	36.00	40-55	NA
MW-3	03/28/2003	<50	56	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	443.84	36.47	40-55	407.37
MW-3	06/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	443.84	38.70	40-55	405.14
MW-3	08/25/2003	76 a	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	443.84	41.12	40-55	402.72
MW-3	12/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	443.84	37.27	40-55	406.57
MW-3	03/08/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	120	<2.0	<2.0	<2.0	<5.0	443.84	32.49	40-55	411.35
MW-3	06/07/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	74	<2.0	<2.0	<2.0	<5.0	443.84	37.75	40-55	406.09
MW-3	09/01/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	443.84	43.29	40-55	400.55
MW-3	12/23/2004	<50 c	NA	<0.50	2.3	1.5	4.3	<0.50	NA	NA	NA	NA	443.84	38.64	40-55	405.20
MW-3	02/28/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	443.84	33.70	40-55	410.14
MW-3	06/13/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	12	443.84	35.03	40-55	408.81
MW-3	09/19/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	<5.0	443.84	39.08	40-55	404.76
MW-3	12/07/2005	<50	NA	<0.50	<0.50	<0.50	0.54	<0.50	NA	NA	NA	<5.0	443.84	37.67	40-55	406.17
MW-3	03/03/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	443.84	34.74	40-55	409.10
MW-3	**09/21/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<10.0**	**443.84**	**33.95**	**40-55**	**409.89**
MW-4	12/05/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41.45	41-61	NA

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Livermore, 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.)	Screened Interval (ft.)	GW Elevation (MSL)
MW-4	12/20/2002	<50	61	<0.50	<0.50	<0.50	<0.50	<0.50	<2.0	<2.0	<2.0	<50	NA	40.61	41-61	NA
MW-4	03/28/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	444.18	37.16	41-61	407.02
MW-4	06/26/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	444.18	40.05	41-61	404.13
MW-4	08/25/2003	67 a	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	444.18	43.04	41-61	401.14
MW-4	12/09/2003	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	444.18	37.62	41-61	406.56
MW-4	03/08/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	444.18	32.80	41-61	411.38
MW-4	06/07/2004	58 b	NA	0.82	1.2	<0.50	1.1	<0.50	<2.0	<2.0	<2.0	<5.0	444.18	38.94	41-61	405.24
MW-4	09/01/2004	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	444.18	44.18	41-61	400.00
MW-4	12/23/2004	<50 c	NA	0.55	3.8	2.2	7.0	<0.50	NA	NA	NA	NA	444.18	39.83	41-61	404.35
MW-4	02/28/2005	<50 c	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	NA	444.18	34.01	41-61	410.17
MW-4	06/13/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	<2.0	<2.0	<2.0	<5.0	444.18	35.70	41-61	408.48
MW-4	09/19/2005	<50	NA	<0.50	<0.50	<0.50	<1.0	<0.50	NA	NA	NA	<5.0	444.18	39.70	41-61	404.48
MW-4	12/07/2005	<50	NA	<0.50	<0.50	<0.50	<0.50	<0.50	NA	NA	NA	<5.0	444.18	38.25	41-61	405.93
MW-4	03/03/2006	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<0.500	NA	NA	NA	<10.0	444.18	34.84	41-61	409.34
MW-4	**09/21/2006**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<10.0**	**444.18**	**34.09**	**41-61**	**410.09**

WELL CONCENTRATIONS
Shell-branded Service Station
1155 Portola Avenue
Livermore, 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.)	Screened Interval (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, 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:
a = Hydrocarbon does not match pattern of laboratory's standard.
b = Sample contains discrete peak in addition to gasoline.
c = The concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.
Site surveyed November 25, 2002 by Mid Coast Engineers.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

October 10, 2006

Client: Delta Env. Consultants (San Jose) / SHELL (13653)
175 Bernal Rd., Suite 200
San Jose, CA 95119
Attn: Heather Buckingham

Work Order: NPI3281
Project Name: 1155 Portola Ave., Livermore, CA
Project Nbr: SAP 135441
P/O Nbr: 97495539
Date Received: 09/26/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NPI3281-01	09/21/06 15:40
MW-2	NPI3281-02	09/21/06 16:00
MW-3	NPI3281-03	09/21/06 16:30
MW-4	NPI3281-04	09/21/06 17:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

California Certification Number: 01168CA

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Jim Hatfield
Project Management

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Client: Delta Env. Consultants (San Jose) / SHELL (13653)
175 Bernal Rd., Suite 200
San Jose, CA 95119
Attn: Heather Buckingham

Work Order: NPI3281
Project Name: 1155 Portola Ave., Livermore, CA
Project Number: SAP 135441
Received: 09/26/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPI3281-01 (MW-1 - Ground Water) Sampled: 09/21/06 15:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	10/04/06 16:55	SW846 8260B	6100731
Benzene	ND		ug/L	0.500	1	10/04/06 16:55	SW846 8260B	6100731
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	10/04/06 16:55	SW846 8260B	6100731
Diisopropyl Ether	ND		ug/L	0.500	1	10/04/06 16:55	SW846 8260B	6100731
Ethylbenzene	ND		ug/L	0.500	1	10/04/06 16:55	SW846 8260B	6100731
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	10/04/06 16:55	SW846 8260B	6100731
Toluene	ND		ug/L	0.500	1	10/04/06 16:55	SW846 8260B	6100731
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	10/04/06 16:55	SW846 8260B	6100731
Xylenes, total	ND		ug/L	0.500	1	10/04/06 16:55	SW846 8260B	6100731
Surr: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*10/04/06 16:55*	*SW846 8260B*	*6100731*
Surr: Dibromofluoromethane (79-122%)	*101 %*					*10/04/06 16:55*	*SW846 8260B*	*6100731*
Surr: Toluene-d8 (78-121%)	*83 %*					*10/04/06 16:55*	*SW846 8260B*	*6100731*
Surr: 4-Bromofluorobenzene (78-126%)	*105 %*					*10/04/06 16:55*	*SW846 8260B*	*6100731*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	10/04/06 16:55	CA LUFT GC/MS	6100731
Sample ID: NPI3281-02 (MW-2 - Ground Water) Sampled: 09/21/06 16:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	10/04/06 17:23	SW846 8260B	6100731
Benzene	ND		ug/L	0.500	1	10/04/06 17:23	SW846 8260B	6100731
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	10/04/06 17:23	SW846 8260B	6100731
Diisopropyl Ether	ND		ug/L	0.500	1	10/04/06 17:23	SW846 8260B	6100731
Ethylbenzene	ND		ug/L	0.500	1	10/04/06 17:23	SW846 8260B	6100731
Methyl tert-Butyl Ether	**34.2**		ug/L	0.500	1	10/04/06 17:23	SW846 8260B	6100731
Toluene	ND		ug/L	0.500	1	10/04/06 17:23	SW846 8260B	6100731
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	10/04/06 17:23	SW846 8260B	6100731
Xylenes, total	ND		ug/L	0.500	1	10/04/06 17:23	SW846 8260B	6100731
Surr: 1,2-Dichloroethane-d4 (70-130%)	*102 %*					*10/04/06 17:23*	*SW846 8260B*	*6100731*
Surr: Dibromofluoromethane (79-122%)	*100 %*					*10/04/06 17:23*	*SW846 8260B*	*6100731*
Surr: Toluene-d8 (78-121%)	*86 %*					*10/04/06 17:23*	*SW846 8260B*	*6100731*
Surr: 4-Bromofluorobenzene (78-126%)	*89 %*					*10/04/06 17:23*	*SW846 8260B*	*6100731*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	10/04/06 17:23	CA LUFT GC/MS	6100731
Sample ID: NPI3281-03 (MW-3 - Ground Water) Sampled: 09/21/06 16:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	10/04/06 17:50	SW846 8260B	6100731
Benzene	ND		ug/L	0.500	1	10/04/06 17:50	SW846 8260B	6100731
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	10/04/06 17:50	SW846 8260B	6100731
Diisopropyl Ether	ND		ug/L	0.500	1	10/04/06 17:50	SW846 8260B	6100731
Ethylbenzene	ND		ug/L	0.500	1	10/04/06 17:50	SW846 8260B	6100731
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	10/04/06 17:50	SW846 8260B	6100731
Toluene	ND		ug/L	0.500	1	10/04/06 17:50	SW846 8260B	6100731

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPI3281
	175 Bernal Rd., Suite 200	Project Name:	1155 Portola Ave., Livermore, CA
	San Jose, CA 95119	Project Number:	SAP 135441
Attn	Heather Buckingham	Received:	09/26/06 08:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPI3281-03 (MW-3 - Ground Water) - cont. Sampled: 09/21/06 16:30								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	10/04/06 17:50	SW846 8260B	6100731
Xylenes, total	ND		ug/L	0.500	1	10/04/06 17:50	SW846 8260B	6100731
Surr: 1,2-Dichloroethane-d4 (70-130%)	*101 %*					*10/04/06 17:50*	*SW846 8260B*	*6100731*
Surr: Dibromofluoromethane (79-122%)	*102 %*					*10/04/06 17:50*	*SW846 8260B*	*6100731*
Surr: Toluene-d8 (78-121%)	*84 %*					*10/04/06 17:50*	*SW846 8260B*	*6100731*
Surr: 4-Bromofluorobenzene (78-126%)	*94 %*					*10/04/06 17:50*	*SW846 8260B*	*6100731*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	10/04/06 17:50	CA LUFT GC/MS	6100731
Sample ID: NPI3281-04 (MW-4 - Ground Water) Sampled: 09/21/06 17:00								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	10/04/06 18:18	SW846 8260B	6100731
Benzene	ND		ug/L	0.500	1	10/04/06 18:18	SW846 8260B	6100731
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	10/04/06 18:18	SW846 8260B	6100731
Diisopropyl Ether	ND		ug/L	0.500	1	10/04/06 18:18	SW846 8260B	6100731
Ethylbenzene	ND		ug/L	0.500	1	10/04/06 18:18	SW846 8260B	6100731
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	10/04/06 18:18	SW846 8260B	6100731
Toluene	ND		ug/L	0.500	1	10/04/06 18:18	SW846 8260B	6100731
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	10/04/06 18:18	SW846 8260B	6100731
Xylenes, total	ND		ug/L	0.500	1	10/04/06 18:18	SW846 8260B	6100731
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*10/04/06 18:18*	*SW846 8260B*	*6100731*
Surr: Dibromofluoromethane (79-122%)	*103 %*					*10/04/06 18:18*	*SW846 8260B*	*6100731*
Surr: Toluene-d8 (78-121%)	*81 %*					*10/04/06 18:18*	*SW846 8260B*	*6100731*
Surr: 4-Bromofluorobenzene (78-126%)	*90 %*					*10/04/06 18:18*	*SW846 8260B*	*6100731*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	10/04/06 18:18	CA LUFT GC/MS	6100731

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	175 Bernal Rd., Suite 200	Project Name:	1155 Portola Ave., Livermore, CA
	San Jose, CA 95119	Project Number:	SAP 135441
Attn	Heather Buckingham	Received:	09/26/06 08:50

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6100731-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Benzene	<0.200		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Ethyl tert-Butyl Ether	<0.200		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Diisopropyl Ether	<0.200		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Ethylbenzene	<0.200		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Methyl tert-Butyl Ether	<0.200		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Toluene	<0.200		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Tertiary Butyl Alcohol	<5.06		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Xylenes, total	<0.350		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Surrogate: 1,2-Dichloroethane-d4	101%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: 1,2-Dichloroethane-d4	101%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: Dibromofluoromethane	101%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: Dibromofluoromethane	101%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: Toluene-d8	83%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: Toluene-d8	83%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: 4-Bromofluorobenzene	99%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: 4-Bromofluorobenzene	99%			6100731	6100731-BLK1	10/04/06 09:32
Purgeable Petroleum Hydrocarbons						
6100731-BLK1						
Gasoline Range Organics	<50.0		ug/L	6100731	6100731-BLK1	10/04/06 09:32
Surrogate: 1,2-Dichloroethane-d4	101%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: Dibromofluoromethane	101%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: Toluene-d8	83%			6100731	6100731-BLK1	10/04/06 09:32
Surrogate: 4-Bromofluorobenzene	99%			6100731	6100731-BLK1	10/04/06 09:32

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Client: Delta Env. Consultants (San Jose) / SHELL (13653)
175 Bernal Rd., Suite 200
San Jose, CA 95119
Attn: Heather Buckingham

Work Order: NPI3281
Project Name: 1155 Portola Ave., Livermore, CA
Project Number: SAP 135441
Received: 09/26/06 08:50

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6100731-BS1								
Tert-Amyl Methyl Ether	50.0	53.0		ug/L	106%	56 - 145	6100731	10/04/06 08:35
Benzene	50.0	57.6		ug/L	115%	79 - 123	6100731	10/04/06 08:35
Ethyl tert-Butyl Ether	50.0	55.3		ug/L	111%	64 - 141	6100731	10/04/06 08:35
Diisopropyl Ether	50.0	56.8		ug/L	114%	73 - 135	6100731	10/04/06 08:35
Ethylbenzene	50.0	49.8		ug/L	100%	79 - 125	6100731	10/04/06 08:35
Methyl tert-Butyl Ether	50.0	55.3		ug/L	111%	66 - 142	6100731	10/04/06 08:35
Toluene	50.0	49.1		ug/L	98%	78 - 122	6100731	10/04/06 08:35
Tertiary Butyl Alcohol	500	459		ug/L	92%	42 - 154	6100731	10/04/06 08:35
Xylenes, total	150	156		ug/L	104%	79 - 130	6100731	10/04/06 08:35
Surrogate: 1,2-Dichloroethane-d4	50.0	51.9			104%	70 - 130	6100731	10/04/06 08:35
Surrogate: 1,2-Dichloroethane-d4	50.0	51.9			104%	70 - 130	6100731	10/04/06 08:35
Surrogate: Dibromofluoromethane	50.0	52.4			105%	79 - 122	6100731	10/04/06 08:35
Surrogate: Dibromofluoromethane	50.0	52.4			105%	79 - 122	6100731	10/04/06 08:35
Surrogate: Toluene-d8	50.0	47.4			95%	78 - 121	6100731	10/04/06 08:35
Surrogate: Toluene-d8	50.0	47.4			95%	78 - 121	6100731	10/04/06 08:35
Surrogate: 4-Bromofluorobenzene	50.0	48.9			98%	78 - 126	6100731	10/04/06 08:35
Surrogate: 4-Bromofluorobenzene	50.0	48.9			98%	78 - 126	6100731	10/04/06 08:35
Purgeable Petroleum Hydrocarbons								
6100731-BS1								
Gasoline Range Organics	3050	2690		ug/L	88%	67 - 130	6100731	10/04/06 08:35
Surrogate: 1,2-Dichloroethane-d4	50.0	51.9			104%	70 - 130	6100731	10/04/06 08:35
Surrogate: Dibromofluoromethane	50.0	52.4			105%	70 - 130	6100731	10/04/06 08:35
Surrogate: Toluene-d8	50.0	47.4			95%	70 - 130	6100731	10/04/06 08:35
Surrogate: 4-Bromofluorobenzene	50.0	48.9			98%	70 - 130	6100731	10/04/06 08:35

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Attn: Heather Buckingham

Work Order: NPI3281
Project Name: 1155 Portola Ave., Livermore, CA
Project Number: SAP 135441
Received: 09/26/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
6100731-MS1										
Tert-Amyl Methyl Ether	ND	53.0		ug/L	50.0	106%	45 - 155	6100731	NPI3281-01	10/04/06 18:46
Benzene	ND	61.4		ug/L	50.0	123%	71 - 137	6100731	NPI3281-01	10/04/06 18:46
Ethyl tert-Butyl Ether	ND	53.2		ug/L	50.0	106%	57 - 148	6100731	NPI3281-01	10/04/06 18:46
Diisopropyl Ether	ND	56.0		ug/L	50.0	112%	67 - 143	6100731	NPI3281-01	10/04/06 18:46
Ethylbenzene	ND	58.0		ug/L	50.0	116%	72 - 139	6100731	NPI3281-01	10/04/06 18:46
Methyl tert-Butyl Ether	ND	53.7		ug/L	50.0	107%	55 - 152	6100731	NPI3281-01	10/04/06 18:46
Toluene	ND	57.5		ug/L	50.0	115%	73 - 133	6100731	NPI3281-01	10/04/06 18:46
Tertiary Butyl Alcohol	ND	526		ug/L	500	105%	19 - 183	6100731	NPI3281-01	10/04/06 18:46
Xylenes, total	ND	184		ug/L	150	123%	70 - 143	6100731	NPI3281-01	10/04/06 18:46
Surrogate: 1,2-Dichloroethane-d4		49.6		ug/L	50.0	99%	70 - 130	6100731	NPI3281-01	10/04/06 18:46
Surrogate: 1,2-Dichloroethane-d4		49.6		ug/L	50.0	99%	70 - 130	6100731	NPI3281-01	10/04/06 18:46
Surrogate: Dibromofluoromethane		49.6		ug/L	50.0	99%	79 - 122	6100731	NPI3281-01	10/04/06 18:46
Surrogate: Dibromofluoromethane		49.6		ug/L	50.0	99%	79 - 122	6100731	NPI3281-01	10/04/06 18:46
Surrogate: Toluene-d8		48.5		ug/L	50.0	97%	78 - 121	6100731	NPI3281-01	10/04/06 18:46
Surrogate: Toluene-d8		48.5		ug/L	50.0	97%	78 - 121	6100731	NPI3281-01	10/04/06 18:46
Surrogate: 4-Bromofluorobenzene		47.1		ug/L	50.0	94%	78 - 126	6100731	NPI3281-01	10/04/06 18:46
Surrogate: 4-Bromofluorobenzene		47.1		ug/L	50.0	94%	78 - 126	6100731	NPI3281-01	10/04/06 18:46
Purgeable Petroleum Hydrocarbons										
6100731-MS1										
Gasoline Range Organics	ND	2670		ug/L	3050	88%	60 - 140	6100731	NPI3281-01	10/04/06 18:46
Surrogate: 1,2-Dichloroethane-d4		49.6		ug/L	50.0	99%	0 - 200	6100731	NPI3281-01	10/04/06 18:46
Surrogate: Dibromofluoromethane		49.6		ug/L	50.0	99%	0 - 200	6100731	NPI3281-01	10/04/06 18:46
Surrogate: Toluene-d8		48.5		ug/L	50.0	97%	0 - 200	6100731	NPI3281-01	10/04/06 18:46
Surrogate: 4-Bromofluorobenzene		47.1		ug/L	50.0	94%	0 - 200	6100731	NPI3281-01	10/04/06 18:46

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client Delta Env. Consultants (San Jose) / SHELL (13653)
175 Bernal Rd., Suite 200
San Jose, CA 95119
Attn Heather Buckingham

Work Order: NPI3281
Project Name: 1155 Portola Ave., Livermore, CA
Project Number: SAP 135441
Received: 09/26/06 08:50

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6100731-MSD1												
Tert-Amyl Methyl Ether	ND	53.0		ug/L	50.0	106%	45 - 155	0	24	6100731	NPI3281-01	10/04/06 19:13
Benzene	ND	60.4		ug/L	50.0	121%	71 - 137	2	23	6100731	NPI3281-01	10/04/06 19:13
Ethyl tert-Butyl Ether	ND	55.3		ug/L	50.0	111%	57 - 148	4	22	6100731	NPI3281-01	10/04/06 19:13
Diisopropyl Ether	ND	57.7		ug/L	50.0	115%	67 - 143	3	22	6100731	NPI3281-01	10/04/06 19:13
Ethylbenzene	ND	55.3		ug/L	50.0	111%	72 - 139	5	23	6100731	NPI3281-01	10/04/06 19:13
Methyl tert-Butyl Ether	ND	55.8		ug/L	50.0	112%	55 - 152	4	27	6100731	NPI3281-01	10/04/06 19:13
Toluene	ND	54.4		ug/L	50.0	109%	73 - 133	6	25	6100731	NPI3281-01	10/04/06 19:13
Tertiary Butyl Alcohol	ND	581		ug/L	500	116%	19 - 183	10	39	6100731	NPI3281-01	10/04/06 19:13
Xylenes, total	ND	176		ug/L	150	117%	70 - 143	4	27	6100731	NPI3281-01	10/04/06 19:13
Surrogate: 1,2-Dichloroethane-d4		48.9		ug/L	50.0	98%	70 - 130			6100731	NPI3281-01	10/04/06 19:13
Surrogate: 1,2-Dichloroethane-d4		48.9		ug/L	50.0	98%	70 - 130			6100731	NPI3281-01	10/04/06 19:13
Surrogate: Dibromofluoromethane		48.5		ug/L	50.0	97%	79 - 122			6100731	NPI3281-01	10/04/06 19:13
Surrogate: Dibromofluoromethane		48.5		ug/L	50.0	97%	79 - 122			6100731	NPI3281-01	10/04/06 19:13
Surrogate: Toluene-d8		46.9		ug/L	50.0	94%	78 - 121			6100731	NPI3281-01	10/04/06 19:13
Surrogate: Toluene-d8		46.9		ug/L	50.0	94%	78 - 121			6100731	NPI3281-01	10/04/06 19:13
Surrogate: 4-Bromofluorobenzene		48.2		ug/L	50.0	96%	78 - 126			6100731	NPI3281-01	10/04/06 19:13
Surrogate: 4-Bromofluorobenzene		48.2		ug/L	50.0	96%	78 - 126			6100731	NPI3281-01	10/04/06 19:13
Purgeable Petroleum Hydrocarbons												
6100731-MSD1												
Gasoline Range Organics	ND	2640		ug/L	3050	87%	60 - 140	1	40	6100731	NPI3281-01	10/04/06 19:13
Surrogate: 1,2-Dichloroethane-d4		48.9		ug/L	50.0	98%	0 - 200			6100731	NPI3281-01	10/04/06 19:13
Surrogate: Dibromofluoromethane		48.5		ug/L	50.0	97%	0 - 200			6100731	NPI3281-01	10/04/06 19:13
Surrogate: Toluene-d8		46.9		ug/L	50.0	94%	0 - 200			6100731	NPI3281-01	10/04/06 19:13
Surrogate: 4-Bromofluorobenzene		48.2		ug/L	50.0	96%	0 - 200			6100731	NPI3281-01	10/04/06 19:13

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPI3281
	175 Bernal Rd., Suite 200	Project Name:	1155 Portola Ave., Livermore, CA
	San Jose, CA 95119	Project Number:	SAP 135441
Attn	Heather Buckingham	Received:	09/26/06 08:50

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	California
CA LUFT GC/MS	Water			X
NA	Water			
SW846 8260B	Water	N/A	X	X

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	San Jose, CA 95119	Project Number:	SAP 135441
Attn	Heather Buckingham	Received:	09/26/06 08:50

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte
CA LUFT GC/MS	Water	Gasoline Range Organics

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM

BC# NPI3281

Cooler Received/Opened On 09/26/2006 @ 0850

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 5317

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 0.1 Degrees Celsius (indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 (Raynger ST)

3. Were custody seals on outside of cooler?..... (YES)...NO....NA

a. If yes, how many and where: 1 Front

4. Were the seals intact, signed, and dated correctly?..... (YES)...NO...NA

5. Were custody papers inside cooler?..... (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... RM

6. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

were these signed, and dated correctly?..... YES...NO...(NA)

7. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Foam Insert Plastic bag Paper Other_____ None

8. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)...NO...NA

11. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA

12. a. Were VOA vials received?..... (YES)...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...(NO)...NA

I certify that I unloaded the cooler and answered questions 6-12 (Intial)..... RM

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used..... (YES)...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (Intial)..... JR

15. Were custody papers properly filled out (ink, signed, etc)?..... (YES)...NO...NA

16. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA

17. Were correct containers used for the analysis requested?..... (YES)...NO...NA

18. Was sufficient amount of sample sent in each container?..... (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (Intial)..... JR

I certify that I attached a label with the unique LIMS number to each container (Intial)..... JR

19. Were there Non-Conformance issues at login YES (NO) Was a PIPE generated YES NO #_____

BIS = Broken in shipment

Cooler Receipt Form

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: SHELL / BLAINE
REC. BY (PRINT): EJ
WORKORDER:

DATE REC'D AT LAB: 9/22/06
TIME REC'D AT LAB: 1810
DATE LOGGED IN:

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent; Intact / Broken*								
2. Chain-of-Custody Present / Absent*								
3. Traffic Reports or Packing List: Present / Absent								
4. Airbill: Airbill / Sticker Present / Absent								
5. Airbill #:								
6. Sample Labels: Present / Absent								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*								
10. Sample received within hold time? Yes / No*								
11. Adequate sample volume received? Yes / No*								
12. Proper preservatives used? Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*								
14. Read Temp: 2.8 Corrected Temp: ____ Is corrected temp 4 +/-2°C? Yes / No** (Acceptance range for samples requiring thermal pres.)								

9/22/06

**Exception (if any): METALS / DFF ON ICE or Problem COC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL Revision 8
Replaces Rev 7 (07/19/05)
Effective 09/13/06

LAB: TA
- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☐ Other_____

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ COMPLIANCE ☐ BILL CONSULTANT ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 4 9 5 5 3 9

PO #:

SAP or CRMT #:

DATE: 9/21/06

PAGE: 1 of 1

SAMPLING COMPANY	LOG CODE:
Blaine Tech Services	BTSS

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

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

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

SITE ADDRESS: Street and City: 1155 Portola Ave., Livermore | State: CA | GLOBAL ID NO: T0600194367

EDF DELIVERABLE TO (Name, Company, Office Location): Lena Martinez, Delta, San Jose Office | PHONE NO.: (408) 826-1861 | E-MAIL: lmartinez@deltaenv.com | CONSULTANT PROJECT NO: 060921-C62 | BTS #

SAMPLER NAME(S) (Print): CHRIS GEREN

LAB USE ONLY

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☒ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

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

CC Debbie Arnold darnold@deltaenv.com and Heather Buckingham hbuckingham@deltaenv.com when sending final report.

REQUESTED ANALYSIS

NPI3281
10/10/06 23:59

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	TPH-motor oil (8015M)	TDS (160.1)	Total Iron (6010B)	Total Lead (6010B)	Total Oil and Grease (1664A)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	9/21/06	1540	GW	3	X		X	X	NPI		328		1-1										
	MW-2	↓	1600	↓	↓	X		X	X					2										
	MW-3		1630			X		X	X					3										
	MW-4	↓	1700	↓	↓	X		X	X					4										

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date: 9/21/06	Time: 1930
Relinquished by: (Signature)	Received by: (Signature)	Date: 9/22/06	Time: 1215
Relinquished by: (Signature)	Received by: (Signature)	Date: 9/22/06	Time: 1800

JULIENG. (MH) 9.25.06 1500

9-28-06 8:50 0.1°C

Q&C Graphic (714) 895-9702

05/02/06 Revision

WELLHEAD INSPECTION CHECKLIST

Client Shell Date 9/21/06

Site Address 1155 Portola Ave, Livermore, CA

Job Number 060921-C62 Technician CB

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1										
MW-2										
MW-3										
MW-4										

NOTES:

WELL GAUGING DATA

Project # 060921-C87 Date 9/21/06 Client Shell

Site 1155 Portola Ave, Livermore CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1500	2					34.24	58.90		
MW-2	1510	2					36.28	59.12		
MW-3	1515	2					33.95	54.22		
MW-4	1520	2					34.09	59.11		

SHELL WELL MONITORING DATA SHEET

BTS #: 060921-C62	Site: 1155 Portola Ave, Livermore, CA
Sampler: CB	Date: 9/21/06
Well I.D.: MW-1	Well Diameter: ⊘ 3 4 6 8 ____
Total Well Depth (TD): 58.90	Depth to Water (DTW): 32.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 39.17	

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

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

3.9 (Gals.) X 3 = 11.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1530	77.4	7.3	887	402	3.9	
1532	77.6	7.2	879	453	7.8	
1534	75.0	7.4	890	372	11.7	

Did well dewater? Yes (No) Gallons actually evacuated: 11.7

Sampling Date: 9/21/06 Sampling Time: 1540 Depth to Water: 38.05

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

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

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 #: 060921-C62	Site: 1155 Portola Ave, Livermore, CA
Sampler: AB	Date: 9/21/06
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 59.12	Depth to Water (DTW): 36.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 40.84	

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

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

3.7 (Gals.) X	3	=	11.1 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1550	71.6	7.3	846	453	3.7	
1553	71.9	7.2	847	72	7.4	
1556	72.0	7.4	831	88	11.1	

Did well dewater? Yes (No) Gallons actually evacuated: 11.1

Sampling Date: 9/21/06 Sampling Time: 1600 Depth to Water: 39.75

Sample I.D.: MW-2 Laboratory: STL Other TA

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

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 #: 060921-CB2	Site: 1155 Portola Ave, Livermore CA
Sampler: CB	Date: 9/21/06
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 54.24	Depth to Water (DTW): 33.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 38.05	

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

Sampling Method: Bailer (X), Disposable Bailer, Extraction Port, Dedicated Tubing, Other

1 Case Volume		Specified Volumes		Calculated Volume
3.2	(Gals.) X	3	=	9.6 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1620	70.1	7.5	1138	92	3.2	
~~1623~~ 1623	70.5	7.5	1150	130	6.4	
1626	70.6	7.4	1145	134	9.6	

Did well dewater? Yes (No) Gallons actually evacuated: 9.6

Sampling Date: 9/21/06 Sampling Time: 1630 Depth to Water: 37.01

Sample I.D.: MW-3 Laboratory: STL Other TA

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

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 #: 060921-C6-2	Site: 1155 Portola Ave, Livermore
Sampler: CG	Date: 9/21/06
Well I.D.: MW-4	Well Diameter: ~~2~~ 3 4 6 8 ___
Total Well Depth (TD): 59.11	Depth to Water (DTW): 34.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 39.10	

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

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

1 Case Volume	(Gals.) X	Specified Volumes	=	Calculated Volume	Gals.
4.0		3		12.0	

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1650	72.0	7.7	1170	134	4.0	
1653	71.8	7.6	1540	145	8.0	
1656	72.1	7.3	1220	200	12.0	

Did well dewater? Yes (No) Gallons actually evacuated: ~~38.79~~ Chg 12.0

Sampling Date: 9/21/06 Sampling Time: 1700 Depth to Water: 38.79

Sample I.D.: MW-4 Laboratory: STL Other ~~STA~~

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

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

ATTACHMENT B

SUMMARY OF SOIL ANALYTICAL DATA AND SOIL SAMPLE LOCATION MAP

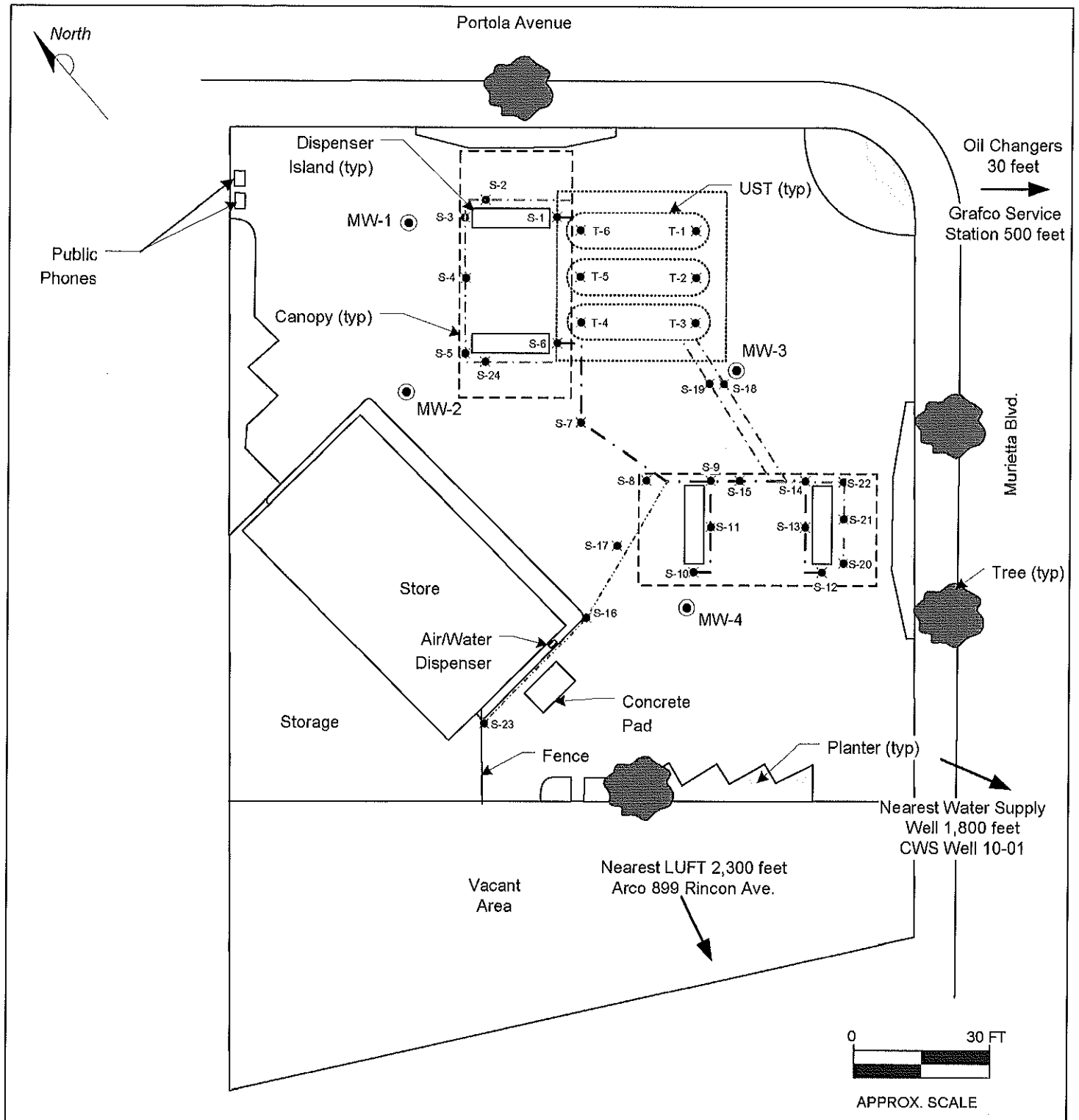
Table 1
Summary of Soil Analytical Data
Shell-branded Service Station
1155 Portola Avenue
Livermore, California

Sample Designation	Date Sampled	Depth (feet)	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	Total Lead (mg/kg)
Fuel UST Pit Samples													
T-1@19'	1/19/06	19	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**6.12**
T-2@16'	1/19/06	16	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**5.56**
T-3@16'	1/19/06	16	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**2.97**
T-4@17.5'	1/19/06	17.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**3.45**
T-5@17'	1/19/06	17	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**4**
T-6@16'	1/19/06	16	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**6.81**
Existing Dispenser Samples													
S-1@2.5'	1/19/06	2.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**11.6**
S-6@2'	1/19/06	2	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**8.3**
S-10@2.5'	1/19/06	2.5	**220**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.25	**25.5**
S-10@5'	1/20/06	5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**5.8**
S-12@3'	1/19/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**6.84**
Existing Product Piping Samples													
S-7@4'	1/19/06	4	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**6.7**
S-8@3'	1/19/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**4.17**
S-9@3'	1/19/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**6.24**
S-14@3'	1/19/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**7.49**
S-15@3'	1/19/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**5.61**
Former Dispenser Samples													
S-2@3'	1/19/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**30.5**
S-11@2.5'	1/19/06	2.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**9.68**
S-13@2.5'	1/19/06	2.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**25.5**
S-24@2'	1/20/06	2	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**13**
Former Product Piping Samples													
S-3@3'	1/19/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**11.8**
S-4@2'	1/19/06	2	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**57**
S-5@2'	1/19/06	2	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	**13.8**
S-18@3.5'	1/20/06	3.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**17**
S-19@3.5'	1/20/06	3.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**6.4**
S-20@3'	1/20/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**5.9**
S-21@2.5'	1/20/06	2.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**6.8**
S-22@2.5'	1/20/06	2.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**16**

Table 1
Summary of Soil Analytical Data
Shell-branded Service Station
1155 Portola Avenue
Livermore, California

Sample Designation	Date Sampled	Depth (feet)	TPH-G (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl benzene (mg/kg)	Xylene (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)	Ethanol (mg/kg)	Total Lead (mg/kg)
Vent Line Samples													
S-16@3'	1/20/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**6.1**
S-17@3'	1/20/06	3	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**7.8**
S-23@2.5'	1/20/06	2.5	<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**11**
Pea Gravel Samples													
Pea A	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**6.5**
Pea B	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**3.5**
Pea C	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**7.8**
Pea D	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**3.1**
Pea E	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**1**
Pea F	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**2.9**
Pea G	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**3.4**
Pea H	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**4.5**
Pea I	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**1.5**
Pea J	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**1.6**
Pea K	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**7**
Pea L	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**3.3**
Pea M	1/20/06		<1.0	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.1	**6.2**

Notes:
mg/kg = milligrams per kilogram
TPH-G = Total petroleum hydrocarbons as gasoline
TPH-D = Total petroleum hydrocarbons as diesel
MTBE = Methyl tert-butyl ether
TBA = Tert butyl alcohol
1,2-DCA = 1,2-dichloroethane
EDB = Ethylene dibromide
= over-excavated sample



LEGEND

- **PRODUCT PIPING**
- **FORMER VENT LINE**
- **FORMER PRODUCT PIPING**
- S-1 **SOIL SAMPLE**
- MW-4 **GROUNDWATER MONITORING WELL**

FIGURE 2

SOIL SAMPLE LOCATION MAP

SHELL-BRANDED SERVICE STATION
1155 Portola Avenue
Livermore, California

PROJECT NO. SJ11-55P-1.2006	DRAWN BY JL 02/01/06
FILE NO. SJ11-55P-1.2006	PREPARED BY JL
REVISION NO. 1	REVIEWED BY

Delta Environmental Consultants, Inc.