CAMBRIA

September 9, 1999

Scott Seery
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Second Quarter 1999 Monitoring Report**
Shell-branded Service Station
4226 First Street
Pleasanton, California
Incident #98995840
Cambria Project #241-0523-002

Dear Mr. Seery:

On behalf of Equiva Services LLC, Cambria Environmental Technology, Inc. (Cambria) is submitting this ground water monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

SECOND QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California developed, gauged and sampled new ground water monitoring well MW-1. Blaine calculated the ground water elevation and compiled the analytical data. Cambria prepared a ground water elevation map (Figure 1). The Blaine report, presenting the laboratory report and including supporting field documents, is included as Attachment A.

Subsurface Investigation: Cambria performed a subsurface investigation which included advancing two soil borings and converting one of the soil borings to a monitoring well.

ANTICIPATED THIRD QUARTER 1999 ACTIVITIES

Ground Water Monitoring: Blaine will gauge and sample the well and tabulate the data. Cambria will prepare a monitoring report.

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

Cambria Environmental Technology, Inc.

1144 65th Street
Suite B
Oakland, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

Site Investigation Report Preparation: Cambria will prepare a site investigation report detailing soil boring and monitoring well installation.

CLOSING

We appreciate the opportunity to work with you on this project. Please call Barbara Jakub at (510) 420-3309 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Barbara J. Jakub
Project Geologist

Ailsa S. Le May, R.G.
Senior Geologist

REGISTERED GEOLOGIST
AILSA S. LE MAY
NO. 6717
STATE OF CALIFORNIA

Figure: 1 - Ground Water Elevation Contour Map
Attachment: A - Blaine Ground Water Monitoring Report and Field Notes

cc: Karen Petryna, Equiva Services LLC, P.O. Box 6249, Carson, California 90749-6249

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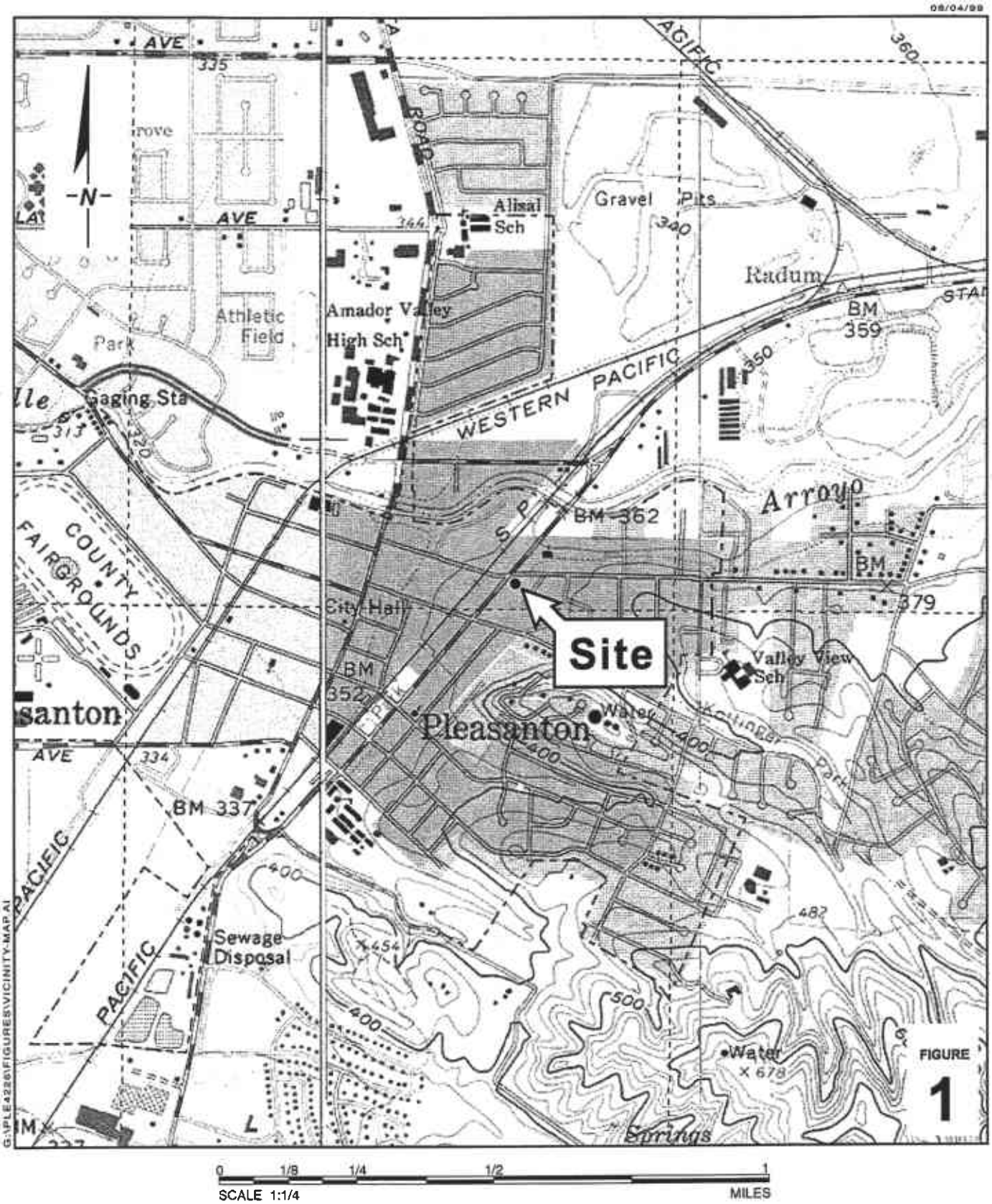

Shell-branded Service Station
4226 First Street
Pleasanton, California
Incident #98995840

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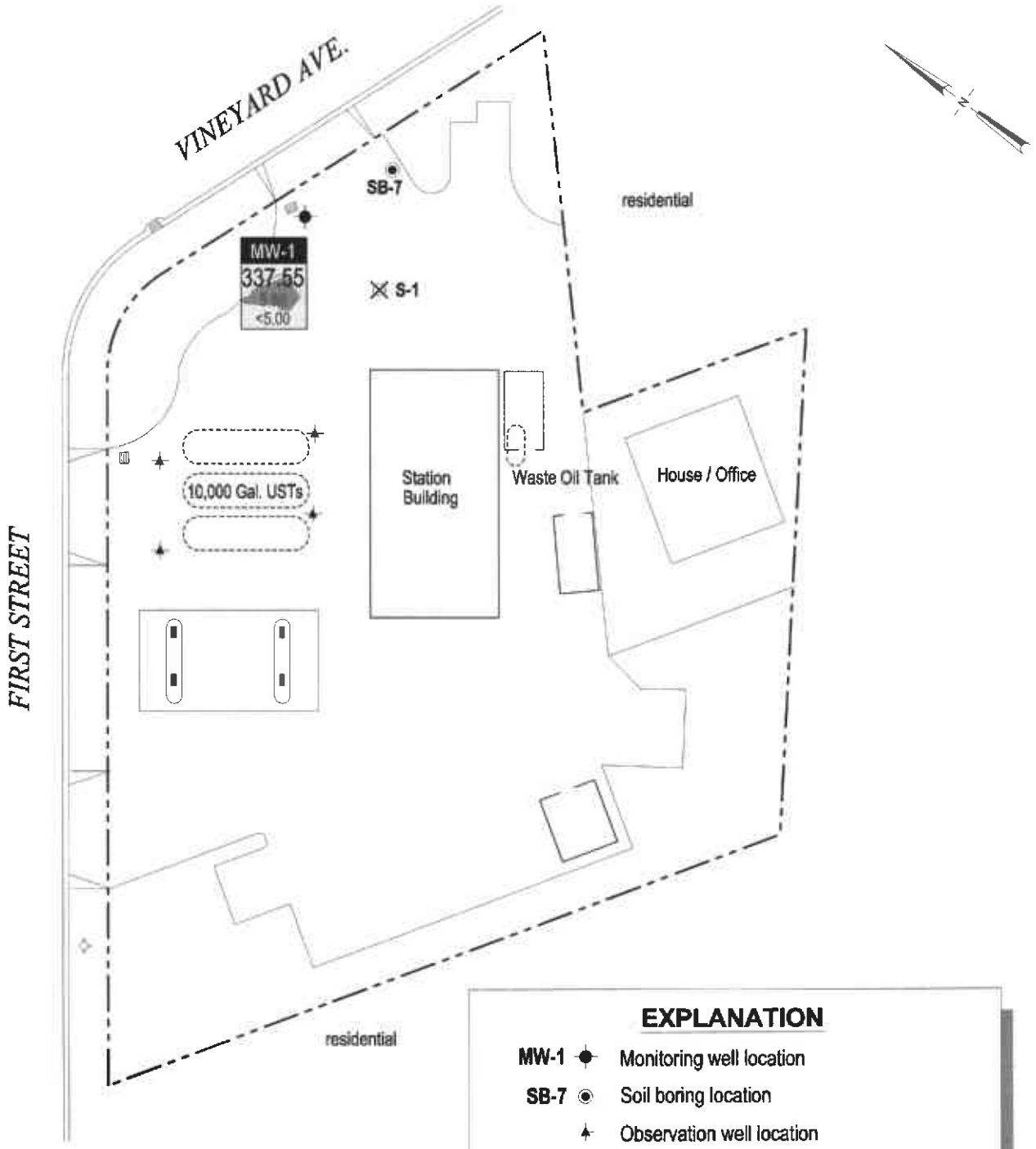
Vicinity Map



EXPLANATION

- MW-1 — Monitoring well location
- SB-7 — Soil boring location
- Observation well location
- S-1 — Abandoned well location

Well
ELEV
Benzene
MTBE

- Well designation
- Ground water elevation (msl)
- Benzene and MTBE concentrations are in parts per billion (ppb)

0 20 40
Scale (ft)

FIGURE
2

Shell-branded Service Station
4226 First Street
Pleasanton, California
Incident #98995840

CAMBRIA

Ground Water Elevation Map

June 30, 1999

CAMBRIA

ATTACHMENT A

Blaine Ground Water Monitoring Report
and Field Notes

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

July 30, 1999

Karen Petryna
Equiva Services LLC
P.O. Box 6249
Carson, CA 90749-6249

Second Quarter 1999 Groundwater Monitoring at
Shell-branded Service Station
4226 First Street
Pleasanton, CA

Monitoring performed on June 16 & 30, 1999

Groundwater Monitoring Report **990616-Y-3**

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, apprioriate 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. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

Deidre Kerwin
Operations Manager

DK/ld

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

cc: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Shell-branded Service Station
4226 First Street
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	06/16/1999	NA	NA	NA	NA	NA	NA	NA	371.20	37.81	333.39
MW-1	06/30/1999	89.0	5.89	<0.500	<0.500	0.652	<5.00	NA	371.20	33.65	337.55

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020
MTBE = methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = parts per billion
msl = Mean sea level
ft = Feet
<n = Below detection limit

Notes:
Well MW-1 surveyed on May 4, 1999 by Virgil Chavez Land Surveying of Vallejo, California.

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

July 18, 1999

Ann Pember
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: Equiva 4226 First St. Pleasanton/M907152

Dear Ann Pember

Enclosed are the results of analyses for sample(s) received by the laboratory on July 1, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kimyai
Project Manager

CA ELAP Certificate Number 1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Blaine Tech Services (Shell)	Project:	Equiva	Sampled:	6/30/99
1680 Rogers Avenue	Project Number:	4226 First St. Pleasanton	Received:	7/1/99
San Jose, CA 95112	Project Manager:	Ann Pember	Reported:	7/18/99

ANALYTICAL REPORT FOR M906122

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	M907152-01	Water	6/30/99

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

July 19, 1999

Kayvan Kimyai
Sequoia - Morgan Hill
885 Jarvis Drive
Morgan Hill, CA 95037

RE: 1

Dear Kayvan Kimyai

Enclosed are the results of analyses for sample(s) received by the laboratory on July 8, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Wayne Stevenson
Project Manager

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Sequoia - Morgan Hill	Project:	1	Sampled: 6/30/99
885 Jarvis Drive	Project Number:	M907152	Received: 7/8/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/19/99 14:07

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
M907152-01/MW-1	L907054-01	Water	6/30/99

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Sequoia - Morgan Hill	Project:	1	Sampled: 6/30/99
885 Jarvis Drive	Project Number:	M907152	Received: 7/8/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/19/99 14:07

M907152-01/MW-1
[L907054-01]

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
			Sequoia Analytical - San Carlos					
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9070040	7/13/99	7/13/99		50.0	**89.0**	ug/l	1
Benzene	"	"	"		0.500	**5.89**	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	**0.652**	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*92.0*	%	

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Sequoia - Morgan Hill	Project:	1	Sampled: 6/30/99
885 Jarvis Drive	Project Number:	M907152	Received: 7/8/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/19/99 14:07

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9070040	**Date Prepared: 7/13/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9070040-BLK1**									
Purgeable Hydrocarbons as Gasoline	7/13/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.3*	"	*70.0-130*	*103*			
LCS	**9070040-BS1**									
Purgeable Hydrocarbons as Gasoline	7/13/99	250		256	ug/l	70.0-130	102			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.7*	"	*70.0-130*	*127*			
Matrix Spike	**9070040-MS1**		**L907092-02**							
Purgeable Hydrocarbons as Gasoline	7/13/99	250	ND	230	ug/l	60.0-140	**92.0**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.91*	"	*70.0-130*	*99.1*			
Matrix Spike Dup	**9070040-MSD1**		**L907092-02**							
Purgeable Hydrocarbons as Gasoline	7/13/99	250	ND	210	ug/l	60.0-140	**84.0**	25.0	**9.09**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*70.0-130*	*102*			

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

Sequoia - Morgan Hill	Project:	1	Sampled: 6/30/99
885 Jarvis Drive	Project Number:	M907152	Received: 7/8/99
Morgan Hill, CA 95037	Project Manager:	Kayvan Kimyai	Reported: 7/19/99 14:07

Notes and Definitions

#	Note
1	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

BLAINE TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY: 990630-K2

CLIENT: Equiva - Karen Petryna

SITE: 4226 First Street
Pleasanton, CA

LAB: SEQUOIA

DHS #:

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA
☐ LIA
☐ OTHER
☐ RWQCB REGION

SPECIAL INSTRUCTIONS: M907 K2

Send invoice to Equiva

Incident # 98995840

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLE I.D.	DATE	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL	Time	C = COMPOSITE ALL CONTAINERS	CONDUCT ANALYSIS TO DETECT: TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH-diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-1	6-30-99	W	3	8:47		X	X								01

SAMPLING COMPLETED: DATE 6-30-99 TIME 8:47

SAMPLING PERFORMED BY:

RESULTS NEEDED NO LATER THAN

		DATE	TIME		DATE	TIME
RELEASED BY		7/1/99	9:15	RECEIVED BY		
RELEASED BY				RECEIVED BY	7-1	7:17
RELEASED BY				RECEIVED BY		

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	DATE	TIME
				7/1/99	11:45

WELL GAUGING DATA

Project # 990630-X2 Date 6-30-99 Client Shell

Site 4226 First St Pleasanton Ca

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 TOC	
MW-1	2					33.65	56.73	TOC	

EQUIVA WELL MONITORING DATA SHEET

Project #: 990630-X2	Job # 98995840
Sampler: H.C	Date: 6-30-99
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 56.73	Depth to Water: 33.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method: Bailer X; Middleburg; Electric Submersible; Extraction Pump; Other: ___

Sampling Method: Bailer X; Extraction Port; Other: ___

3.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 10.8 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
8:30	69.4	5.9	2150	>200	4.0	
8:35	69.4	6.2	2200	>200	8.0	
8:40	69.8	6.3	2207	>200	11.0	

Did well dewater? Yes (No)		Gallons actually evacuated: 11.0		
Sampling Time: 8:47		Sampling Date: 6-30-99		
Sample I.D.: MW-1		Laboratory: (Sequoia) BC Other ___		
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

WELL GAUGING DATA

Project # 990616 X3 Date 6/16 Client EQV

Site 4226 FIRST ST 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 TOC	
MW1	2					37.81	55.63	TOC	

WELL DEVELOPMENT DATA SHEET

Project #: 990616 Y3	Client: EQUVA
Developer: B. TAYLOR	Date Developed: 6/16
Well I.D. MW1	Well Diameter: (circle one) (2) 3 4 6 __
Total Well Depth:	Depth to Water:
Before 55.63 After 57.08	Before 37.81 After 48.93
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1 Case Volume	X	Specified Volumes	=	gallons
3		10		30

Purging Device: Bailer ☐ Electric Submersible ☐
Middleburg ☑ Suction Pump ☐

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	COND.	TURBIDITY	VOLUME REMOVED:	NOTATIONS:
14:14	72.4	7.5	1622	>200	3	SURGED 10 MINUTES BEFORE PUMPING
1416	70.6	7.5	2221	>200	6	THICK BROWN SILT
1418	72.1	7.4	2075	>200	9	VERY SILTY
1420	72.0	7.4	2068	>200	12	CONT. SURGING
1423	71.9	7.4	2060	>200	15	STILL VERY SILTY
1426	71.7	7.3	2048	>200	18	LESS SILTY
1429	71.6	7.2	2057	>200	21	LESS SILTY
1432	71.6	7.3	2051	>200	24	SURGED AGAIN
1435	71.5	7.3	2050	>200	27	VERY SILTY
1438	71.6	7.2	2051	>200	30	VERY SILTY
					DEPTH TO BOTTOM	57.08

Did Well Dewater? If yes, note above. Gallons Actually Evacuated:

WELL HEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client EQ Site # 9899 5840 Inspection date: 6/16

Site address 4226 FIRST Inspected by: BT

PLEASANTON BTS Event # 990616 Y3

1. Lid on the box? Yes No	5. Water standing in the well box?	7. Can cap be pulled loose?
2. Lid whole?	5a. Standing above well top?	8. Can cap seal out water?
3. Lid secure?	5b. Standing below well top?	9. Padlock present?
4. Lid seal intact?	5c. Water even with top of well cap?	10. Padlock found locked?
	6. Well cap/plug present?	11. Padlock functional?

☐ Check box if *no deficiences* were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

Note below all deficiences that could not be corrected and *still need to be corrected.*

Well I.D.	Persisting Deficiency	BTS Office assigns or defers Correction to:	Date assigned	Date corrected
MW1	NEEDS NEW 2357 LOCK	BTS to replace		

Office review and assignments made by _____ date _____

WELL HEAD INSPECTION CHECKLIST AND REPAIR ORDER

Client Shell Site # [redacted]98995840 Inspection date: 6-30-99

Site address 4226 First St Inspected by: MC

Pleasanton CA BTS Event # @ 990630-XZ

1. Lid on the box? Yes No	5. Water standing in the well box?	7. Can cap be pulled loose?
2. Lid whole?	5a. Standing above well top?	8. Can cap seal out water?
3. Lid secure?	5b. Standing below well top?	9. Padlock present?
4. Lid seal intact?	5c. Water even with top of well cap?	10. Padlock found locked?
	6. Well cap/plug present?	11. Padlock functional?

☑ Check box if *no deficiences* were found. Note below deficiencies you were able to correct.

Well I.D.	Deficiency	Corrective Action Taken

Note below all deficiences that could not be corrected and *still need to be corrected.*

Well I.D.	Persisting Deficiency

BTS Office assigns or defers Correction to:	Date assigned	Date corrected

Office review and assignments made by _____ date _____