CAMBRIA

RO 2433

November 15, 2003

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

Re: **Groundwater Monitoring Report - Third Quarter 2003**
Former Shell Service Station
2160 Otis Drive
Alameda, California
Incident #98995140
Cambria Project #244-0627-002

Dear Ms. chu:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d. The sampling was performed in order to assess current petroleum concentrations in well MW-3 prior to implementing previously proposed site investigation activities.

THIRD QUARTER 2003 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California sampled the site well and prepared a summary table of field data and petroleum hydrocarbon and methyl tertiary butyl ether concentrations. Cambria prepared a site vicinity map (Figure 1) and a groundwater elevation/chemical concentration map (Figure 2). Blaine's report, presenting the laboratory report, is included as Appendix A.

The results of the current sample event indicate a marked decrease in benzene concentration from 250 parts per billion (ppb) to 96 ppb since the previous event in December 2001.

ANTICIPATED FOURTH QUARTER 2003 ACTIVITIES

Assessment Activities: Based on a series of e-mail correspondences between Cambria, Shell and eva chu of the Alameda County Health Care Services Agency between June and October, 2002, investigation activities were proposed to assist with evaluation of closure potential. The purpose of these borings is to assess the lateral extent of benzene impact between the site and the nearest

Oakland, CA
San Ramon, CA
Sonoma, CA

Cambria Environmental Technology, Inc.

270 Perkins Street
P.O. Box 259
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-6649

receptor (a lagoon located approximately 300 feet northeast/downgradient of the site), and also to assess whether preferential migration of benzene is occurring via the subsurface utility conduits. Cambria has scheduled the installation of five soil borings at the approximate location shown on Figure 3 for December 9, 2003. The investigation will proceed using air knife and hand auger equipment due to the shallow depth to water and the presence of numerous subsurface utilities. Soil and groundwater sampling will be conducted at each location. Based on the results of this investigation, recommendations regarding further monitoring, assessment or closure will be made.

CLOSING

If you have any questions regarding this document, please call Ana Friel at (707) 442-2700. Also, please note that future correspondence regarding this site should be copied to Cambria at 270 Perkins Street, Sonoma, California, 95476.

Sincerely,
Cambria Environmental Technology, Inc

for

Lisa Summers
Staff Scientist

Ana Friel, RG
Senior Project Geologist
RG 6452

REGISTERED GEOLOGIST
ANA
FRIEL
Exp. 9/05
Lic. #6452
STATE OF CALIFORNIA

Attachments:

Figure 1. Site Vicinity Map
Figure 2. Groundwater Elevation/Chemical Concentration Map
Figure 3. Proposed Soil Borings

Appendix A. Blaine Tech Services, Inc. - Groundwater Monitoring Report

cc: Karen Petryna, Equiva Services LLC, P.O. Box 7869, Burbank, California 91510-7869
Harsch Investment Group, 523 West Plaza, Alameda, CA 94501

11/05/03

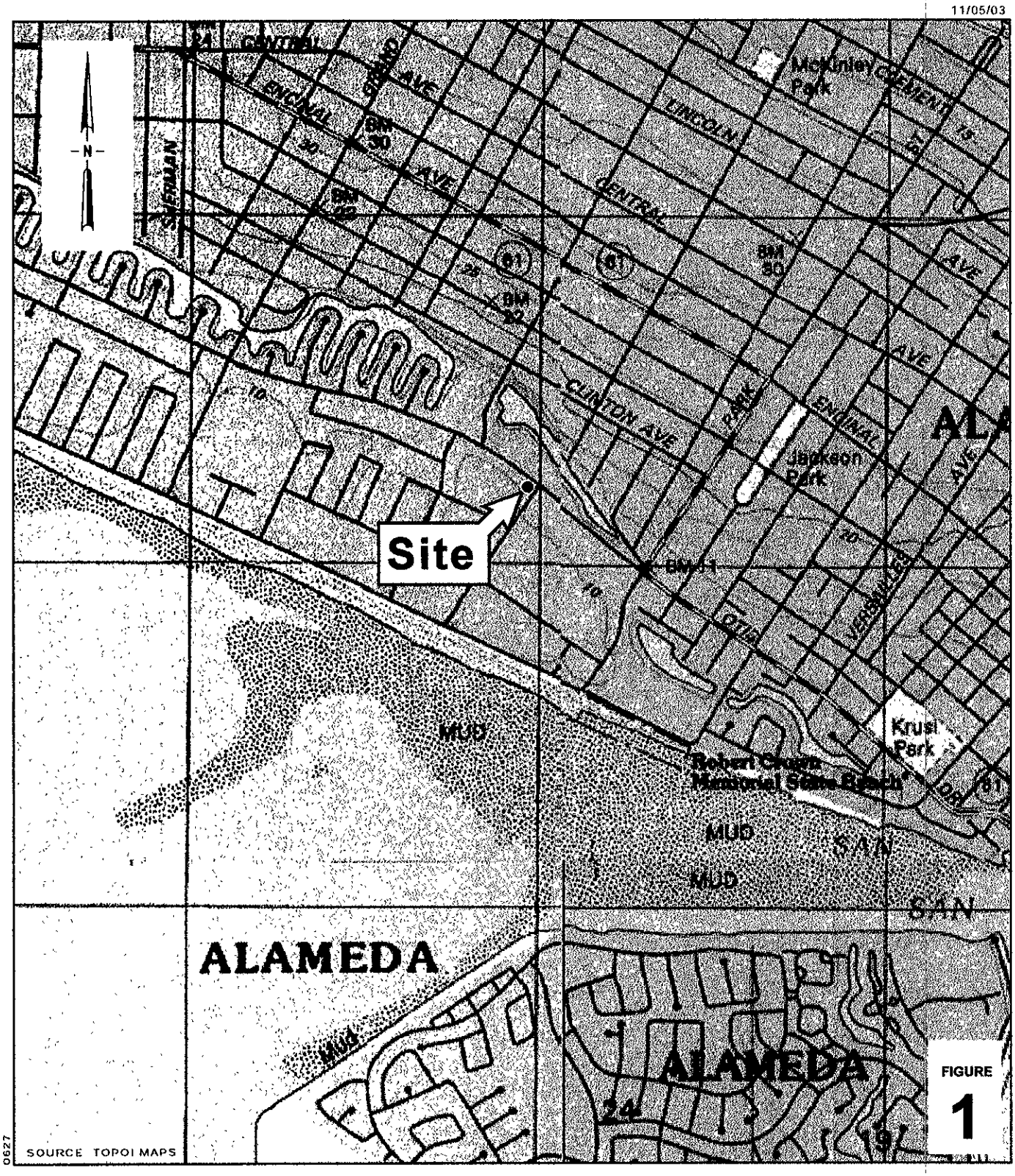

FIGURE 1

0 1/8 1/4 1/2 1

SCALE (MILES)

Former Shell Service Station
2160 Otis Drive
Alameda, California

Site Vicinity Map

CAMBRIA

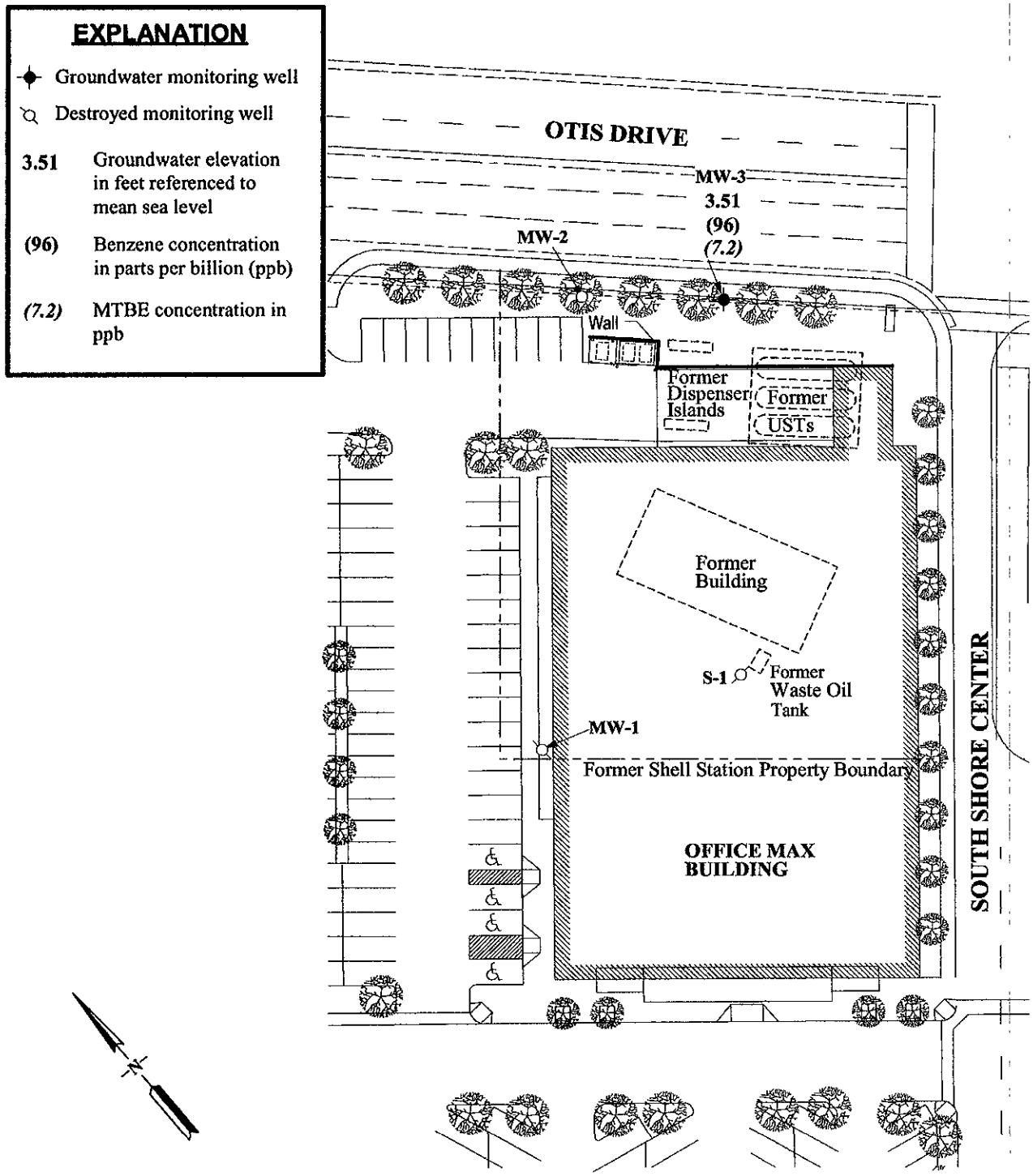

FIGURE
2

0627

Former Shell Service Station
2160 Otis Drive
Alameda, California

CAMBRIA

Groundwater Elevation/Chemical Concentration Map

August 27, 2003

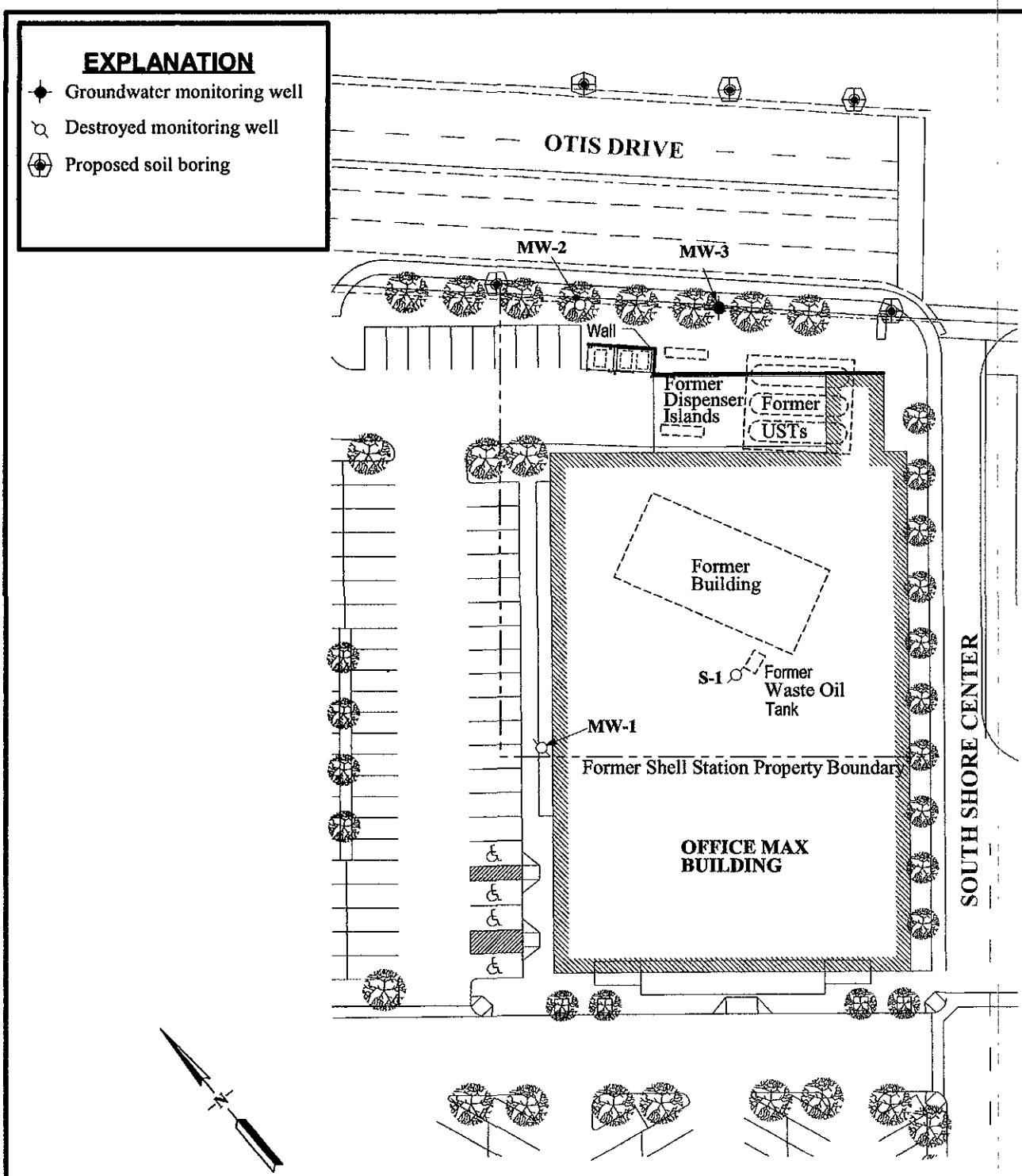

FIGURE
3

0627

Shell-branded Service Station
2160 Otis Drive
Alameda, California

CAMBRIA

Proposed Soil Borings

APPENDIX A

Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

September 25, 2003

Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Third Quarter 2003 Groundwater Monitoring at
Former Shell Service Station
2160 Otis Drive
Alameda, CA

Monitoring performed on August 27, 2003

Groundwater Monitoring Report **030827-SS-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, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

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

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

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

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/jt

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

cc: Ana Friel
Cambria Environmental Technology, Inc.
P.O. Box 259
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Former Shell Service Station
2160 Otis Street
Alameda, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)
S-1	09/04/1987	NA	NA	<5	<5	<5	<5	NA	NA	NA	NA	NA
S-1	09/11/1989	<50	<100	<0.5	<1	<1	<3	NA	NA	5.1	4.29	0.81
S-1	04/11/1990	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4	1.1
S-1	07/10/1990	<90	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.25	0.85
S-1	10/09/1990	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.46	0.64
S-1	01/17/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.53	0.57
S-1	04/09/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.2	0.9
S-1	07/10/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.42	0.68
S-1	10/09/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.87	0.23
S-1	01/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.9	0.2
S-1	04/23/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.66	0.44
S-1	07/01/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.85	0.25
S-1	10/02/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.8	0.3
S-1	01/05/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	5.38	-0.28
S-1	04/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	5.1	3.69	1.41
S-1	07/20/1993	NA	NA	NA	NA	NA	NA	NA	NA	5.1	4.2	0.9
S-1	10/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	5.1	4.38	0.72
S-1	01/07/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.19	0.91
S-1 (D)	01/07/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.03	1.07
S-1	07/26/1994	NA	NA	NA	NA	NA	NA	NA	NA	5.1	4.76	0.34
S-1	11/01/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	4.84	0.26
S-1	01/13/1995	NA	NA	NA	NA	NA	NA	NA	NA	5.1	4.07	1.03
S-1	04/20/1995	<50	NA	2.2	0.6	2.2	2.5	NA	NA	5.1	4.14	0.96
S-1	05/23/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	5.1	3.51	1.59
S-1	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-1	04/11/1990	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.23	0.77

WELL CONCENTRATIONS
Former Shell Service Station
2160 Otis Street
Alameda, CA

Well ID	Date	TPPH (ug/L)	TEPH (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	07/10/1990	100	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.4	0.6
MW-1	10/09/1990	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.61	0.39
MW-1	01/17/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.66	0.34
MW-1	04/09/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	4.96	1.04
MW-1	07/10/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.52	0.48
MW-1	10/09/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.7	0.3
MW-1	01/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.51	0.49
MW-1	04/23/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.14	0.86
MW-1	07/01/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	4.48	1.52
MW-1	10/02/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.8	0.2
MW-1	01/05/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.34	0.66
MW-1 (D)	01/05/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	NA	NA
MW-1	04/08/1993	NA	NA	NA	NA	NA	NA	NA	NA	6	4.62	1.38
MW-1	07/20/1993	NA	NA	NA	NA	NA	NA	NA	NA	6	5.2	0.8
MW-1	10/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	6	4.37	1.63
MW-1	01/07/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.26	0.74
MW-1	04/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	6	5.01	0.99
MW-1	07/26/1994	NA	NA	NA	NA	NA	NA	NA	NA	6	5.38	0.62
MW-1	08/18/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.4	0.6
MW-1	10/11/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	6	5.6	0.4
MW-1	01/13/1995	NA	NA	NA	NA	NA	NA	NA	NA	6	5.56	0.44
MW-1	04/20/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	6	4.4	1.6
MW-1	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	04/11/1990	200a	220	2.7	<0.5	0.5	2.4	NA	NA	3.29	4.51	-1.22
MW-2	07/10/1990	570a	450	150	<0.5	0.9	3.1	NA	NA	3.29	4.61	-1.32
MW-2	10/09/1990	190a	51	55	<0.5	<0.5	<0.5	NA	NA	3.29	4.74	-1.45
MW-2	01/17/1991	350a	<50	51	<0.5	<0.5	<0.5	NA	NA	3.29	4.73	-1.44

WELL CONCENTRATIONS
Former Shell Service Station
2160 Otis Street
Alameda, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)
BH-C	12/17/1992	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
BH-D	12/17/1992	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
BH-E	12/17/1992	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	07/10/1990	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	10/09/1990	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	01/17/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	04/09/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	07/10/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	10/09/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	01/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	04/23/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	07/01/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	10/02/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	01/05/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	04/08/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	07/20/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	10/15/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	01/07/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	04/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	10/11/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	11/01/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	01/13/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	04/20/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA
TB	05/23/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA

WELL CONCENTRATIONS
Former Shell Service Station
2160 Otis Street
Alameda, CA

Well ID	Date	TPPH (ug/L)	TEPH (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-2	04/09/1991	NA	<50	21	<5	<5	<5	NA	NA	3.29	4.09	-0.8
MW-2	07/10/1991	50a	<50	8.4	<0.5	<0.5	<0.5	NA	NA	3.29	4.66	-1.37
MW-2	10/09/1991	150	NA	22	<0.5	<0.5	<0.5	NA	NA	3.29	4.81	-1.52
MW-2	01/24/1992	<50	NA	4.8	<0.5	<0.5	<0.5	NA	NA	3.29	4.66	-1.37
MW-2	04/23/1992	<50	NA	2.3	1.5	<0.5	<0.5	NA	NA	3.29	4.51	-1.22
MW-2	07/01/1992	130a	NA	19	<0.5	<0.5	<0.5	NA	NA	3.29	4.57	-1.28
MW-2	10/02/1992	120a	NA	7.8	<0.5	<0.5	<0.8	NA	NA	3.29	4.8	-1.51
MW-2	01/05/1993	200a	NA	9	<0.5	0.6	1.8	NA	NA	3.29	4.39	-1.1
MW-2	04/08/1993	170a	NA	9.6	<0.5	<0.5	1.6	NA	NA	3.29	4.15	-0.86
MW-2	07/20/1993	80a	NA	16	1.3	1.4	6.1	NA	NA	3.29	4.4	-1.11
MW-2	10/15/1993	400a	NA	37	0.6	1.1	4.7	NA	NA	3.29	5.41	-2.12
MW-2	01/07/1994	86a	NA	12	<0.5	<0.5	1.1	NA	NA	3.29	4.34	-1.05
MW-2	04/13/1994	<50	NA	14	<0.5	<0.5	<0.5	NA	NA	3.29	4.29	-1
MW-2	07/26/1994	290	NA	51	<0.5	<0.5	<0.5	NA	NA	3.29	4.56	-1.27
MW-2	11/11/1994	<50	NA	3.5	<0.5	<0.5	<0.5	NA	NA	3.29	4.68	-1.39
MW-2	01/13/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	3.29	3.48	-0.19
MW-2	04/20/1995	<50	NA	<0.5	<0.5	1	3.6	NA	NA	3.29	3.78	-0.49
MW-2 (D)	04/20/1995	<50	NA	9.9	<0.5	<0.5	<0.5	NA	NA	3.29	NA	NA
MW-2	05/23/1995	<50	NA	5.8	<0.5	<0.5	<0.5	NA	NA	3.29	3.87	-0.58
MW-2	Well destroyed		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	03/20/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.23	NA
MW-3	03/22/2001	1,000	1,100	80	16	7.9	72	NA	72	NA	5.21	NA
MW-3	05/30/2001	3,100	<1,500	170	50	150	340	NA	100	NA	5.57	NA
MW-3	09/17/2001	130	130	0.79	<0.50	<0.50	<0.50	NA	180	NA	5.93	NA
MW-3	12/20/2001	1,800	<900	250	4.8	4.0	51	NA	13	NA	5.06	NA
MW-3	**08/27/2003**	**2,900**	**NA**	**96**	**26**	**14**	**81**	**NA**	**7.2**	**9.22**	**5.71**	**3.51**

WELL CONCENTRATIONS
Former Shell Service Station
2160 Otis Street
Alameda, CA

Well ID	Date	TPPH (ug/L)	TEPH (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)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to March 22, 2001, analyzed by EPA Method 8015.
TEPH = Total extractable hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to March 22, 2001, analyzed by EPA Method 8020.
MTBE = Methyl-tertiary-butyl ether
TOC = Top of Casing Elevation
GW = Groundwater
BH-C = Grab Ground Water Sample
ug/L = parts per billion
msl = Mean sea level
ft = Feet
<n = Below detection limit

Notes:
a = Chromatogram pattern indicated an unidentified hydrocarbon.

SEVERN TRENT STL

Submission#: 2003-08-0927

Blaine Tech Services, Inc.

September 12, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

Project#: 030827-SS3
Project: 98995140
Site: 2160 Otis Drive, Alameda

Dear Mr.Gearhart,

Attached is our report for your samples received on 08/29/2003 17:29
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 10/13/2003 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: tgranicher@stl-inc.com

Sincerely,

Tod Granicher
Project Manager

SEVERN TRENT STL

Submission #: 2003-08-0927

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 030827-SS3
98995140

Received: 08/29/2003 17:29

Site: 2160 Otis Drive, Alameda

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	08/27/2003 16:40	Water	1

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 030827-SS3
98995140

Received: 08/29/2003 17:29

Site: 2160 Otis Drive, Alameda

Prep(s): 5030B
Test(s): 8260FAB
Sample ID: MW-3
Lab ID: 2003-08-0927-1
Sampled: 08/27/2003 16:40
Extracted: 9/5/2003 13:54
Matrix: Water
QC Batch#: 2003/09/05-1C_65
Analysis Flag: o1 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2900	250	ug/L	5.00	09/05/2003 13:54	
Benzene	96	2.5	ug/L	5.00	09/05/2003 13:54	
Toluene	26	2.5	ug/L	5.00	09/05/2003 13:54	
Ethylbenzene	14	2.5	ug/L	5.00	09/05/2003 13:54	
Total xylenes	81	5.0	ug/L	5.00	09/05/2003 13:54	
Methyl tert-butyl ether (MTBE)	7.2	2.5	ug/L	5.00	09/05/2003 13:54	
Surrogate(s)						
1,2-Dichloroethane-d4	117.7	76-130	%	5.00	09/05/2003 13:54	
Toluene-d8	105.1	78-115	%	5.00	09/05/2003 13:54	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 030827-SS3
98995140

Received: 08/29/2003 17:29

Site: 2160 Otis Drive, Alameda

Batch QC Report

Prep(s): 5030B
Test(s): 8260FAB

Method Blank
Water
QC Batch #: 2003/09/05-1C.65

MB: 2003/09/05-1C.65 048
Date Extracted: 09/05/2003 09:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	09/05/2003 09:48	
Benzene	ND	0.5	ug/L	09/05/2003 09:48	
Toluene	ND	0.5	ug/L	09/05/2003 09:48	
Ethylbenzene	ND	0.5	ug/L	09/05/2003 09:48	
Total xylenes	ND	1.0	ug/L	09/05/2003 09:48	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	09/05/2003 09:48	
Surrogates(s)					
1,2-Dichloroethane-d4	88.4	76-130	%	09/05/2003 09:48	
Toluene-d8	100.1	78-115	%	09/05/2003 09:48	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Project: 030827-SS3
98995140

Received: 08/29/2003 17:29

Site: 2160 Otis Drive, Alameda

Batch QC Report

Prep(s): 5030B — Test(s): 8260FAB

Laboratory Control Spike — Water — QC Batch #: 2003/09/05-1C.65

LCS: 2003/09/05-1C.65-003 — Extracted: 09/05/2003 — Analyzed: 09/05/2003 09:03

LCSD: 2003/09/05-1C.65-025 — Extracted: 09/05/2003 — Analyzed: 09/05/2003 09:25

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	24.5	23.6	25	98.0	94.4	3.7	69-129	20		
Toluene	24.6	24.2	25	98.4	96.8	1.6	70-130	20		
Methyl tert-butyl ether (MTBE)	21.1	21.5	25	84.4	86.0	1.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	467	480	500	93.4	96.0		76-130			
Toluene-d8	523	514	500	104.6	102.8		78-115			

Gas/BTEX/MTBE by 8260B (C6-C12)

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Legend and Notes

Analysis Flag

o

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

LAB: STL

Lab Identification (if necessary):
Address:
City, State, Zip:

EQUIVA Services LLC Chain Of Custody Record 77460

Equiva Project Manager to be Invoiced:
☒ SCIENCE & ENGINEERING
☐ TECHNICAL SERVICES
☐ CRMT HOUSTON

Karen Petryna

2003-08-0927

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 1 4 0
SAP or CRMT NUMBER (TS/CRMT): [redacted]

DATE: 8/27/03
PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS (Street and City): 2160 Otis Dr., Alameda	GLOBAL ID NO.: T0600101236
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		EDF DELIVERABLE TO (Responsible Party or Designee): Ana Friel	PHONE NO.: (707) 442-2700
		E-MAIL: sonomaedf@cambria-env.com	CONSULTANT PROJECT NO.: BTS# 030827-SS3
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart		SAMPLER NAME(S) (Print): Suchiren Sune	LAB USE ONLY
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com	

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 NEEDED ☒

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)	Ethanol (8260B)	Methanol	1,2-DCA (8260B)	EDB (8260B)	TPH - Diesel, Extractable (8015m)										FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-3	8/27/03	1644	GW	3	X	X		X																

TEMPERATURE ON RECEIPT C°: 2.0

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	[signature]	8/29/03	1620
[signature] 8-29-03 1729	[signature] STL-SF	8/29/03	1729

DISTRIBUTION: White with final report, Green to File, Yellow and Pink to Client.

10/16/00 Revision