



R 121
Shell Oil Products US

December 10, 2002

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

Alameda County
DEC 17 2002
Environmental Health

Subject: Shell-branded Service Station
999 San Pablo Avenue
Albany, California

Dear Mr. Hwang:

Attached for your review and comment is a copy of the *Third Quarter 2002 Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

A handwritten signature in cursive script that reads "Karen Petryna".

Karen Petryna
Sr. Environmental Engineer

December 10, 2002

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

Re: **Third Quarter 2002 Monitoring Report**
Shell-branded Service Station
999 San Pablo Avenue
Albany, California
Incident #98995143
Cambria Project #244-0366-002



Dear Mr. Hwang:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US, Cambria Environmental Technology, Inc. (Cambria) is submitting this groundwater monitoring report in accordance with the reporting requirements of 23 CCR 2652d.

THIRD QUARTER 2002 ACTIVITIES

Groundwater Monitoring: As stated in our February 20, 2002 *Fourth Quarter 2001 Monitoring Report*, sampling of well S-5 as part of the site monitoring program is suspended pending well ownership transfer to ARCO. Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled selected site wells, calculated groundwater elevations, and compiled the analytical data. Cambria prepared a vicinity map which includes previously submitted well survey information (Figure 1) and a groundwater elevation contour map (Figure 2). Blaine's report, presenting the laboratory report and supporting field documents, is included as Attachment A.

Our August 12, 2002 *Second Quarter 2002 Monitoring Report* stated that the third quarter 2002 sampling event would be coordinated with the sampling of the ARCO Service Station located across Marin Avenue from the site. Coordinated sampling was not completed this quarter, however, due to the semi-annual sampling schedule of the ARCO site. Coordinated sampling will be conducted during the fourth quarter 2002 monitoring event.

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

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

Subsurface Investigation Work Plan: As recommended in our August 12, 2002 *Second Quarter 2002 Monitoring Report*, Cambria submitted a *Subsurface Investigation Work Plan* on September 26, 2002.

ANTICIPATED FOURTH QUARTER 2002 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample selected site wells and tabulate the data. The sampling event will be coordinated with the sampling of the ARCO Service Station located across Marin Avenue from the site. Cambria will prepare a monitoring report.

Oxygen Releasing Compound (ORC) Installation: As recommended in our August 12, 2002 *Second Quarter 2002 Monitoring Report*, Blaine installed ORCs in wells S-2 and S-3 during the fourth quarter 2002 monitoring event to enhance intrinsic biodegradation at the site. The ORCs will be replaced semi-annually.

Subsurface Investigation: Upon receiving written approval of our September 26, 2002 work plan, Cambria will acquire the permits and scheduled field activities.



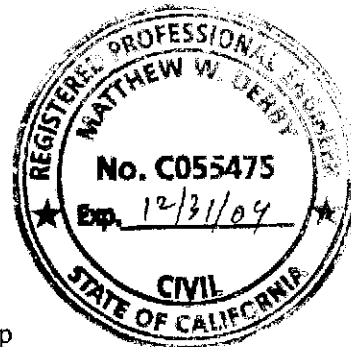
CLOSING

We appreciate the opportunity to work with you on this project. Please call Jacquelyn Jones at (510) 420-3316 if you have any questions or comments.

Sincerely,
Cambria Environmental Technology, Inc

Jacquelyn L. Jones
Project Geologist

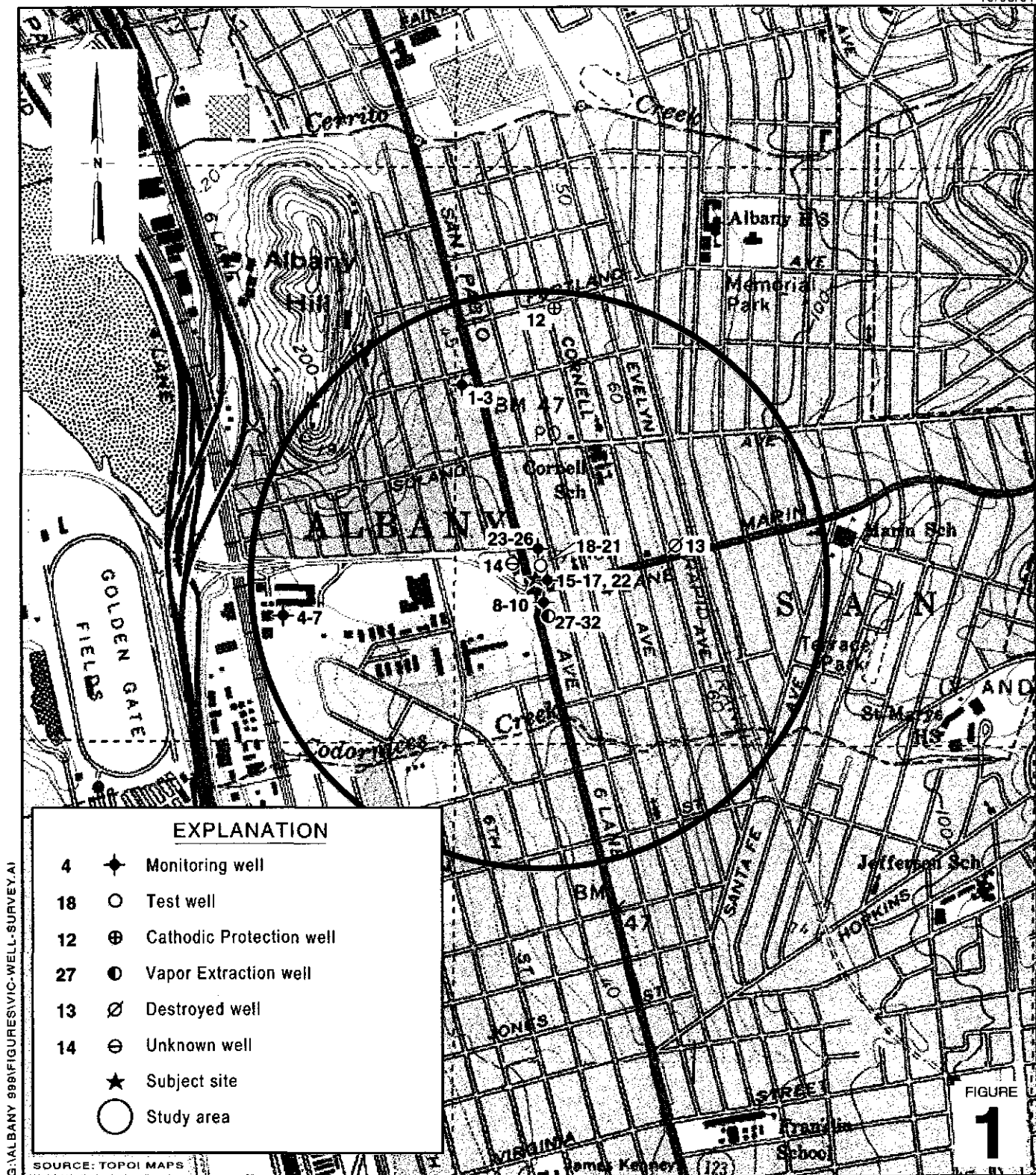
Matthew W. Derby, P.E.
Senior Project Engineer



- Figures: 1 - Vicinity/Area Well Survey Map
 2 - Groundwater Elevation Contour Map

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

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



G:\ALBANY 999\FIGURES\VIC-WELL-SURVEY.A1

SOURCE: TOPOI MAPS

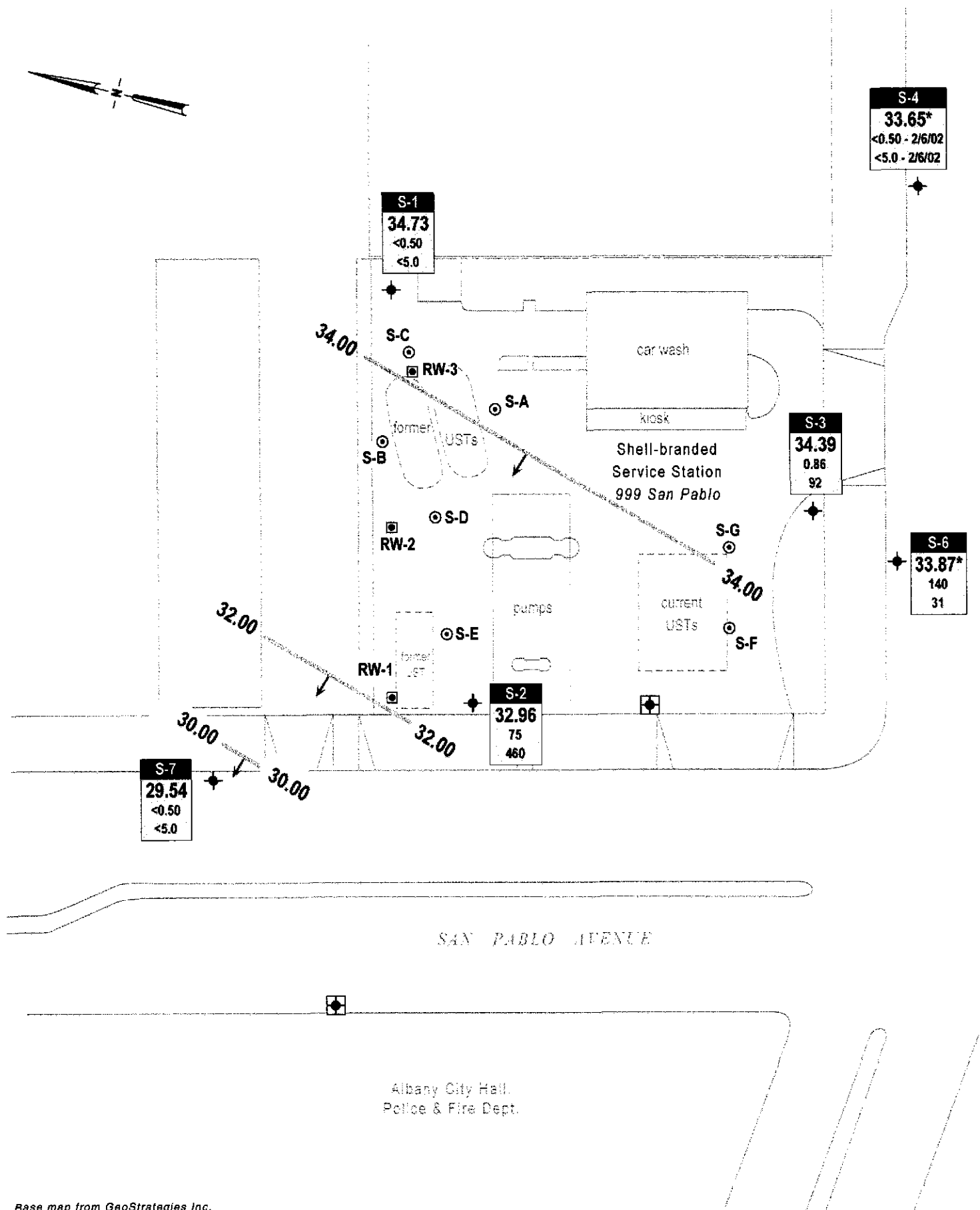
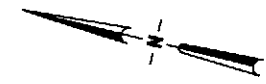
Shell-branded Service Station
 999 San Pablo Avenue
 Albany, California
 Incident #98995143



C A M B R I A

Vicinity / Area Well Survey Map
 (1/2-Mile Radius)

FIGURE 1



EXPLANATION

- Proposed monitoring well location
- S-1 Shell monitoring well location
- RW-1 Recovery well
- MW-1 Arco monitoring well location
- VW-1 Arco vapor extraction well location
- AS-1 Arco air sparge well location
- S-A Shell soil boring location (1990)
- * Data anomalous, not used for contouring
- Inferred groundwater flow direction
- XX.XX Groundwater elevation contour, in feet above mean sea level (msl), approximately located; dashed where inferred

Well

- ELEV: Groundwater elevation, in feet above msl
- Benzene: Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.
- MTBE

MARIN AVENUE

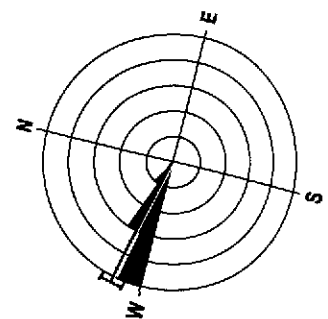
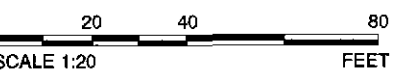


FIGURE 1

Shell-branded Service Station
 999 San Pablo Avenue
 Albany, California
 Incident #98995143

G:\ALBANY\999SANPABLO\FIGURES\3Q02-MP.A1

Base map from GeoStrategies Inc.

ATTACHMENT A
Blaine Groundwater Monitoring Report
and Field Notes

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

August 21, 2002

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

Third Quarter 2002 Groundwater Monitoring at
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Monitoring performed on July 25, 2002

Groundwater Monitoring Report 020725-MM-1

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purge water (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: Anni Kreml
Cambria Environmental Technology, Inc.
1144 65th Street, Suite C
Oakland, CA 94608-2411

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, 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)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	05/13/1991	1,500	20	2.6	86	74	NA	NA	42.73	8.24	34.49	NA	NA
S-1	08/23/1991	2,900	27	<2.5	75	18	NA	NA	42.73	8.37	34.36	NA	NA
S-1	11/07/1991	2,900	8	2.5	46	26	NA	NA	42.73	8.30	34.43	NA	NA
S-1	01/28/1992	2,000	11	<2.5	60	20	NA	NA	42.73	7.84	34.89	NA	NA
S-1	05/06/1992	1,200	5.5	<2.5	80	36	NA	NA	42.73	7.95	34.78	NA	NA
S-1	08/26/1992	2,000	9.4	<2.5	130	<2.5	NA	NA	42.73	8.24	34.49	NA	NA
S-1	10/28/1992	1,300	27	3.2	72	13	NA	NA	42.73	8.52	34.21	NA	NA
S-1	01/19/1993	1,500	13	3	29	31	NA	NA	42.73	6.54	36.19	NA	NA
S-1	04/29/1993	2,000	15	<2.5	82	<65	NA	NA	42.73	7.93	34.80	NA	NA
S-1	07/22/1993	620	1.1	4.2	3.5	13	NA	NA	42.73	8.09	34.64	NA	NA
S-1	10/21/1993	1,200	34	25	15	9.5	NA	NA	42.73	9.43	33.30	NA	NA
S-1	01/04/1994	860	<2.5	<2.5	5.7	5.3	NA	NA	42.73	8.25	34.48	NA	NA
S-1	04/13/1994	NA	NA	NA	NA	NA	NA	NA	42.73	8.02	34.71	NA	NA
S-1	07/25/1994	1,200	8.3	7.4	15	20	NA	NA	42.73	8.22	34.51	NA	NA
S-1	10/10/1994	NA	NA	NA	NA	NA	NA	NA	42.73	8.29	34.44	NA	NA
S-1	01/26/1995	1,000	12	0.6	12	420	NA	NA	42.73	6.88	35.85	NA	NA
S-1	04/21/1995	NA	NA	NA	NA	NA	NA	NA	42.73	7.65	35.08	NA	NA
S-1	07/28/1995	660	7.2	1	11	8.9	NA	NA	42.73	7.90	34.83	NA	4
S-1	10/31/1995	NA	NA	NA	NA	NA	NA	NA	42.73	7.72	35.01	NA	NA
S-1	01/10/1996	1,100	3.5	7	5.1	9.4	NA	NA	42.73	8.24	34.49	NA	7.4
S-1	04/25/1996	NA	NA	NA	NA	NA	NA	NA	42.73	7.74	34.99	NA	NA
S-1	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	42.73	7.92	34.81	NA	2.7
S-1	12/10/1996	NA	NA	NA	NA	NA	NA	NA	42.73	7.56	35.17	NA	0.6
S-1	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	42.73	7.95	34.78	NA	3
S-1	05/22/1997	NA	NA	NA	NA	NA	NA	NA	42.73	8.11	34.62	NA	0.5
S-1	08/22/1997	810	18	<2.0	5.1	4.4	18	NA	42.73	7.86	34.87	NA	3

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

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S-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	42.73	8.35	34.38	NA	1.1
S-1	02/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	42.73	6.09	36.64	NA	2.9
S-1	05/18/1998	NA	NA	NA	NA	NA	NA	NA	42.73	7.69	35.04	NA	1.1
S-1	08/20/1998	390	6.7	<0.50	0.64	<0.50	14	NA	42.73	8.20	34.53	NA	1.9
S-1	11/06/1998	NA	NA	NA	NA	NA	NA	NA	42.73	8.23	34.50	NA	NA
S-1	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	42.73	7.47	35.26	NA	1.5
S-1	05/28/1999	NA	NA	NA	NA	NA	NA	NA	42.73	7.60	35.13	NA	1.3
S-1	08/24/1999	72.4	<0.500	<0.500	<0.500	<0.500	<2.50	NA	42.73	7.95	34.78	NA	1.4
S-1	11/16/1999	NA	NA	NA	NA	NA	NA	NA	42.73	7.87	34.86	NA	1.3
S-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	42.73	7.26	35.47	NA	1.4
S-1	05/09/2000	NA	NA	NA	NA	NA	NA	NA	42.73	8.13	34.60	NA	1.0
S-1	08/03/2000	209	6.42	<0.500	<0.500	<0.500	<2.50	NA	42.73	8.12	34.61	NA	1.4
S-1	11/15/2000	NA	NA	NA	NA	NA	NA	NA	42.73	8.06	34.67	NA	1.0
S-1	02/14/2001	179	4.46	<0.500	<0.500	<0.500	8.72	NA	42.73	8.08	34.65	NA	1.1
S-1	05/31/2001	NA	NA	NA	NA	NA	NA	NA	42.73	8.05	34.68	NA	1.0
S-1	08/15/2001	270	<0.50	<0.50	<0.50	<0.50	NA	<5.0	42.73	8.40	34.33	NA	1.3
S-1	12/31/2001	NA	NA	NA	NA	NA	NA	NA	42.73	7.42	35.31	NA	0.4
S-1	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	42.73	7.60	35.13	NA	2.2
S-1	06/04/2002	NA	NA	NA	NA	NA	NA	NA	42.73	8.16	34.57	NA	0.8
S-1	07/25/2002	230	<0.50	<0.50	<0.50	<0.50	NA	<5.0	42.57	7.84	34.73	NA	0.9

S-2	05/13/1991	23,000	3,900	230	1,100	3,200	NA	NA	40.73	8.50	32.23	NA	NA
S-2	08/23/1991	23,000	4,400	260	1,900	2,400	NA	NA	40.73	8.80	31.93	NA	NA
S-2	11/07/1991	40,000	4,000	160	1,020	3,400	NA	NA	40.73	8.61	32.12	NA	NA
S-2	01/28/1992	22,000	1,600	70	420	1,700	NA	NA	40.73	7.80	32.93	NA	NA
S-2	05/06/1992	20,000	2,600	110	860	1,900	NA	NA	40.73	8.10	32.63	NA	NA

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S-2	08/26/1992	42,000	5,000	160	1,100	3,500	NA	NA	40.73	8.37	32.36	NA	NA
S-2	10/28/1992	34,000	4,800	330	1,600	2,900	NA	NA	40.73	8.64	32.09	NA	NA
S-2	01/19/1993	20,000	2,300	370	660	1,300	NA	NA	40.73	5.82	34.91	NA	NA
S-2	04/29/1993	40,000	2,000	67	900	1,900	NA	NA	40.73	7.70	33.03	NA	NA
S-2	07/22/1993	22,000	3,000	120	1,000	1,600	NA	NA	40.73	8.38	32.35	NA	NA
S-2 (D)	07/22/1993	17,000	3,000	110	1,000	1,500	NA	NA	40.73	8.38	32.35	NA	NA
S-2	10/21/1993	14,000	2,800	74	870	1,100	NA	NA	40.73	8.58	32.15	NA	NA
S-2 (D)	10/21/1993	13,000	3,200	53	960	820	NA	NA	40.73	8.58	32.15	NA	NA
S-2	01/04/1994	21,000	2,100	67	990	770	NA	NA	40.73	7.70	33.03	NA	NA
S-2 (D)	01/04/1994	22,000	2,000	64	910	750	NA	NA	40.73	7.70	33.03	NA	NA
S-2	04/13/1994	NA	NA	NA	NA	NA	NA	NA	40.73	7.62	33.11	NA	NA
S-2	07/25/1994	43,000	2,600	490	990	1,300	NA	NA	40.73	7.86	32.87	NA	NA
S-2	10/10/1994	NA	NA	NA	NA	NA	NA	NA	40.73	8.12	32.61	NA	NA
S-2	01/26/1995	21,000	790	12	290	570	NA	NA	40.73	6.38	34.35	NA	5.5
S-2	04/21/1995	NA	NA	NA	NA	NA	NA	NA	40.73	7.01	33.72	NA	NA
S-2	07/28/1995	14,000	2,400	360	960	370	NA	NA	40.73	7.82	32.91	NA	4
S-2	10/31/1995	NA	NA	NA	NA	NA	NA	NA	40.73	7.57	33.16	NA	NA
S-2	01/10/1996	17,000	1,400	<50	480	170	NA	NA	40.73	8.13	32.60	NA	7.2
S-2	04/25/1996	NA	NA	NA	NA	NA	NA	NA	40.73	7.72	33.01	NA	NA
S-2	07/23/1996	16,000	2,700	69	1,100	110	9,500	NA	40.73	8.10	32.63	NA	2.2
S-2 (D)	07/23/1996	11,000	2,600	68	1,000	96	10,000	11,000	40.73	8.10	32.63	NA	2.2
S-2	12/10/1996	NA	NA	NA	NA	NA	NA	NA	40.73	8.57	32.16	NA	0.5
S-2	02/20/1997	10,000	500	<10	90	130	6,400	NA	40.73	8.15	32.58	NA	4
S-2	05/22/1997	NA	NA	NA	NA	NA	NA	NA	40.73	8.79	31.94	NA	1.1
S-2	08/22/1997	23,000	1,300	65	740	290	4,500	NA	40.73	8.05	32.68	NA	3.2
S-2 (D)	08/22/1997	20,000	1,200	<100	630	250	3,900	NA	40.73	8.05	32.68	NA	3.2

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Albany, 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)	SPH Thickness (ft.)	DO Reading (ppm)
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S-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	40.73	8.75	31.98	NA	1.2
S-2	02/20/1998	450	28	1.3	7.4	12	35	NA	40.73	6.34	34.39	NA	0.4
S-2	05/18/1998	NA	NA	NA	NA	NA	NA	NA	40.73	7.95	32.78	NA	0.8
S-2	08/20/1998	22,000	290	44	420	410	7,300	NA	40.73	7.73	33.00	NA	1.9
S-2	11/06/1998	NA	NA	NA	NA	NA	NA	NA	40.73	8.47	32.26	NA	NA
S-2	02/16/1999	27,000	200	<200	770	840	5,400	NA	40.73	7.24	33.49	NA	1.4
S-2	05/28/1999	NA	NA	NA	NA	NA	NA	NA	40.73	7.82	32.91	NA	1.3
S-2	08/24/1999	13,400	196	<25.0	439	113	597	NA	40.73	8.61	32.12	NA	1.2
S-2	11/16/1999	NA	NA	NA	NA	NA	NA	NA	40.73	8.17	32.56	NA	1.1
S-2	02/02/2000	7,850	176	88.0	134	111	540	NA	40.73	7.57	33.16	NA	1.2
S-2	05/09/2000	NA	NA	NA	NA	NA	NA	NA	40.73	7.94	32.79	NA	1.3
S-2	08/03/2000	35,000	255	122	842	224	905	726e	40.73	8.07	32.66	NA	1.1
S-2	11/15/2000	NA	NA	NA	NA	NA	NA	NA	40.73	8.13	32.60	NA	1.3
S-2	02/14/2001	13,000	147	<25.0	309	54.4	581	NA	40.73	6.39	34.34	NA	1.4
S-2	05/31/2001	NA	NA	NA	NA	NA	NA	NA	40.73	7.21	33.52	NA	1.5
S-2	08/15/2001	15,000	67	4.1	220	33	NA	440	40.73	8.27	32.46	NA	0.6
S-2	12/31/2001	NA	NA	NA	NA	NA	NA	270	40.73	6.07	34.66	NA	0.2
S-2	02/06/2002	15,000	53	2.8	120	31	NA	220	40.73	7.98	32.75	NA	1.8
S-2	06/04/2002	NA	NA	NA	NA	NA	NA	NA	40.73	6.70	34.03	NA	0.2
S-2	07/25/2002	9,000	75	4.0	180	24	NA	460	40.63	7.67	32.96	NA	0.9

S-3	05/13/1991	3,300	30	3.6	26	13	NA	NA	41.46	7.90	33.56	NA	NA
S-3	08/23/1991	2,000	25	4	9.3	4.5	NA	NA	41.46	8.14	33.32	NA	NA
S-3	11/07/1991	4,000	20	3.9	5	4.9	NA	NA	41.46	7.91	33.55	NA	NA
S-3	01/28/1992	2,100	21	7.6	6.7	15	NA	NA	41.46	7.53	33.93	NA	NA
S-3 (D)	01/28/1992	2,100	18	6.1	7.1	14	NA	NA	41.46	7.53	33.93	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, 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)	SPH Thickness (ft.)	DO Reading (ppm)
S-3	05/06/1992	6,600	38	51	45	65	NA	NA	41.46	7.55	33.91	NA	NA
S-3	08/26/1992	5,800	18	12	29	60	NA	NA	41.46	7.53	33.93	NA	NA
S-3	10/28/1992	3,000	55	11	16	32	NA	NA	41.46	7.95	33.51	NA	NA
S-3	01/19/1993	3,100	<5	5.1	11	16	NA	NA	41.46	6.12	35.34	NA	NA
S-3	04/29/1993	3,000	31	22	<5	14	NA	NA	41.46	7.27	34.19	NA	NA
S-3	07/22/1993	2,600	3.1	43	23	53	NA	NA	41.46	7.62	33.84	NA	NA
S-3	10/21/1993	2,500	73	14	16	32	NA	NA	41.46	7.81	33.65	NA	NA
S-3	01/04/1994	4,800	13	21	<12.5	33	NA	NA	41.46	7.49	33.97	NA	NA
S-3	04/13/1994	NA	NA	NA	NA	NA	NA	NA	41.46	7.32	34.14	NA	NA
S-3	07/25/1994	2,600	6.1	4	3.8	12	NA	NA	41.46	7.66	33.80	NA	NA
S-3	10/10/1994	NA	NA	NA	NA	NA	NA	NA	41.46	7.49	33.97	NA	NA
S-3	01/26/1995	3,600	30	6.8	5.6	19	NA	NA	41.46	6.50	34.96	NA	NA
S-3 (D)	01/26/1995	2,200	9.9	15	14	22	NA	NA	41.46	6.50	34.96	NA	NA
S-3	04/21/1995	NA	NA	NA	NA	NA	NA	NA	41.46	6.79	34.67	NA	NA
S-3	07/28/1995	3,700	27	9.3	20	34	NA	NA	41.46	7.28	34.18	NA	4
S-3	10/31/1995	NA	NA	NA	NA	NA	NA	NA	41.46	6.74	34.72	NA	NA
S-3	01/10/1996	4,000	10	<0.5	13	28	NA	NA	41.46	7.48	33.98	NA	6.1
S-3	04/25/1996	NA	NA	NA	NA	NA	NA	NA	41.46	6.90	34.56	NA	NA
S-3	07/23/1996	2,100	20	<0.5	<0.5	<0.5	<25	NA	41.46	7.04	34.42	NA	2.1
S-3	12/10/1996	NA	NA	NA	NA	NA	NA	NA	41.46	7.96	33.50	NA	0.7
S-3	02/20/1997	3,500	83	<5.0	18	16	130	NA	41.46	7.44	34.02	NA	3
S-3 (D)	02/20/1997	3,000	69	<5.0	14	12	70	NA	41.46	7.44	34.02	NA	3
S-3	05/22/1997	NA	NA	NA	NA	NA	NA	NA	41.46	7.13	34.33	NA	0.6
S-3	08/22/1997	4,700	60	12	19	21	40	NA	41.46	6.81	34.65	NA	2.9
S-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	41.46	7.40	34.06	NA	0.9
S-3	02/20/1998	3,400	<10	<10	14	18	85	NA	41.46	6.55	34.91	NA	0.8

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S-3 (D)	02/20/1998	3,100	8.6	7.8	12	16	57	NA	41.46	6.55	34.91	NA	0.8
S-3	05/18/1998	NA	NA	NA	NA	NA	NA	NA	41.46	6.81	34.65	NA	0.7
S-3	08/20/1998	4,400	67	23	9.8	22	240	NA	41.46	6.98	34.48	NA	2.2
S-3	11/06/1998	NA	NA	NA	NA	NA	NA	NA	41.46	6.96	34.50	NA	NA
S-3	02/16/1999	2,000	6.9	6.2	3.7	4.8	47	NA	41.46	6.93	34.53	NA	2.0
S-3	05/28/1999	NA	NA	NA	NA	NA	NA	NA	41.46	6.74	34.72	NA	1.8
S-3	08/24/1999	4,170	54.8	14.2	6.65	13.7	43.4	NA	41.46	9.05	32.41	NA	1.9
S-3	11/16/1999	NA	NA	NA	NA	NA	NA	NA	41.46	7.09	34.37	NA	1.6
S-3	02/02/2000	2,410	133	112	24.9	104	46.0	NA	41.46	6.59	34.87	NA	1.9
S-3	05/09/2000	NA	NA	NA	NA	NA	NA	NA	41.46	7.13	34.33	NA	1.9
S-3	08/03/2000	3,890	17.2	21.9	<10.0	<10.0	166	NA	41.46	6.82	34.64	NA	1.8
S-3	11/15/2000	NA	NA	NA	NA	NA	NA	NA	41.46	6.98	34.48	NA	1.6
S-3	02/14/2001	2,800	35.8	5.57	3.83	2.94	1,070	1,250	41.46	6.57	34.89	NA	1.1
S-3	05/31/2001	NA	NA	NA	NA	NA	NA	NA	41.46	6.72	34.74	NA	1.6
S-3	08/15/2001	2,700	2.0	0.52	<0.50	2.0	NA	140	41.46	7.44	34.02	NA	0.6
S-3	12/31/2001	2,300	<2.0	<2.0	<2.0	<2.0	NA	470	41.46	6.62	34.84	NA	0.6
S-3	02/06/2002	2,000	2.6	1.6	4.3	7.8	NA	170	41.46	7.22	34.24	NA	2.2
S-3	06/04/2002	2,400	1.0	1.1	0.54	4.5	NA	120	41.46	7.34	34.12	NA	0.5
S-3	07/25/2002	3,100	0.86	<0.50	<0.50	2.0	NA	92	41.37	6.98	34.39	NA	1.0

S-4	05/13/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.44	33.66	NA	NA
S-4	08/23/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.32	32.78	NA	NA
S-4	11/07/1991	260	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.32	32.78	NA	NA
S-4	01/28/1992	110c	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.40	33.70	NA	NA
S-4	05/06/1992	54	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.21	33.89	NA	NA
S-4	08/26/1992	67	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.13	32.97	NA	NA

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S-4	10/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.73	32.37	NA	NA
S-4	01/19/1993	86	1.2	0.7	2.7	15	NA	NA	41.10	5.86	35.24	NA	NA
S-4	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.02	34.08	NA	NA
S-4 (D)	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.02	34.08	NA	NA
S-4	07/22/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.76	33.34	NA	NA
S-4	10/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.53	32.57	NA	NA
S-4	01/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.92	33.18	NA	NA
S-4	04/13/1994	NA	NA	NA	NA	NA	NA	NA	41.10	7.71	33.39	NA	NA
S-4	07/25/1994	NA	NA	NA	NA	NA	NA	NA	41.10	7.82	33.28	NA	NA
S-4	10/10/1994	NA	NA	NA	NA	NA	NA	NA	41.10	8.15	32.95	NA	NA
S-4	01/26/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	5.73	35.37	NA	NA
S-4	04/21/1995	NA	NA	NA	NA	NA	NA	NA	41.10	6.26	34.84	NA	NA
S-4	07/28/1995	NA	NA	NA	NA	NA	NA	NA	41.10	7.80	33.30	NA	NA
S-4	10/31/1995	NA	NA	NA	NA	NA	NA	NA	41.10	8.45	32.65	NA	NA
S-4	01/10/1996	<50	1	2.8	<0.5	2.1	NA	NA	41.10	8.26	32.84	NA	2.8
S-4	04/25/1996	NA	NA	NA	NA	NA	NA	NA	41.10	7.14	33.96	NA	NA
S-4	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	41.10	8.18	32.92	NA	3.8
S-4	12/10/1996	NA	NA	NA	NA	NA	NA	NA	41.10	7.04	34.06	NA	3.9
S-4	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	6.7	NA	41.10	7.07	34.03	NA	5
S-4	05/22/1997	NA	NA	NA	NA	NA	NA	NA	41.10	6.63	34.47	NA	0.8
S-4	08/22/1997	NA	NA	NA	NA	NA	NA	NA	41.10	7.69	33.41	NA	3.7
S-4	11/03/1997	NA	NA	NA	NA	NA	NA	NA	41.10	8.26	32.84	NA	1.3
S-4	02/20/1998	130	6.9	4.6	5.2	17	2.8	NA	41.10	5.57	35.53	NA	1.8
S-4	05/18/1998	NA	NA	NA	NA	NA	NA	NA	41.10	7.13	33.97	NA	1.4
S-4	08/20/1998	NA	NA	NA	NA	NA	NA	NA	41.10	7.77	33.33	NA	4.0
S-4	11/06/1998	NA	NA	NA	NA	NA	NA	NA	41.10	7.85	33.25	NA	NA

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S-4	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	23	NA	41.10	6.51	34.59	NA	3.6
S-4	05/28/1999	NA	NA	NA	NA	NA	NA	NA	41.10	7.00	34.10	NA	3.2
S-4	08/24/1999	NA	NA	NA	NA	NA	NA	NA	41.10	9.13	31.97	NA	1.9
S-4	11/16/1999	NA	NA	NA	NA	NA	NA	NA	41.10	7.79	33.31	NA	1.7
S-4	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	41.10	7.19	33.91	NA	1.9
S-4	05/09/2000	NA	NA	NA	NA	NA	NA	NA	41.10	7.51	33.59	NA	1.8
S-4	08/03/2000	NA	NA	NA	NA	NA	NA	NA	41.10	7.83	33.27	NA	1.9
S-4	11/15/2000	NA	NA	NA	NA	NA	NA	NA	41.10	7.69	33.41	NA	1.5
S-4	02/14/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	41.10	6.20	34.90	NA	1.6
S-4	05/31/2001	NA	NA	NA	NA	NA	NA	NA	41.10	6.56	34.54	NA	1.6
S-4	08/15/2001	NA	NA	NA	NA	NA	NA	NA	41.10	7.90	33.20	NA	0.6
S-4	12/31/2001	NA	NA	NA	NA	NA	NA	NA	41.10	5.62	35.48	NA	2.7
S-4	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	41.10	7.29	33.81	NA	0.2
S-4	06/04/2002	NA	NA	NA	NA	NA	NA	NA	41.10	7.45	33.65	NA	0.6
S-4	07/25/2002	NA	NA	NA	NA	NA	NA	NA	41.04	7.39	33.65	NA	0.8
S-5	05/13/1991	NA	NA	NA	NA	NA	NA	NA	39.99	14.60	30.57	6.48	NA
S-5	08/23/1991	NA	NA	NA	NA	NA	NA	NA	39.99	15.14	29.25	5.50	NA
S-5	11/07/1991	NA	NA	NA	NA	NA	NA	NA	39.99	15.10	29.17	5.35	NA
S-5	01/28/1992	NA	NA	NA	NA	NA	NA	NA	39.99	14.05	29.86	4.90	NA
S-5	05/06/1992	NA	NA	NA	NA	NA	NA	NA	39.99	14.31	30.21	5.66	NA
S-5	08/26/1992	NA	NA	NA	NA	NA	NA	NA	39.99	14.26	28.77	3.80	NA
S-5	10/28/1992	NA	NA	NA	NA	NA	NA	NA	39.99	14.22	28.82	3.81	NA
S-5	01/19/1993	NA	NA	NA	NA	NA	NA	NA	39.99	12.36	30.80	3.96	NA
S-5	04/29/1993	NA	NA	NA	NA	NA	NA	NA	39.99	9.64	31.07	0.90	NA
S-5	07/22/1993	NA	NA	NA	NA	NA	NA	NA	39.99	9.55	31.16	0.90	NA

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S-5	10/21/1993	NA	NA	NA	NA	NA	NA	NA	39.99	11.23	29.34	0.73	NA
S-5	01/04/1994	NA	NA	NA	NA	NA	NA	NA	39.99	11.69	29.82	1.90	NA
S-5	04/13/1994	NA	NA	NA	NA	NA	NA	NA	39.99	11.42	29.87	1.62	NA
S-5	07/25/1994	NA	NA	NA	NA	NA	NA	NA	39.99	12.01	29.41	1.79	NA
S-5	10/10/1994	NA	NA	NA	NA	NA	NA	NA	39.99	12.05	29.38	1.80	NA
S-5	01/26/1995	NA	NA	NA	NA	NA	NA	NA	39.99	8.42	32.95	1.72	NA
S-5	04/21/1995	NA	NA	NA	NA	NA	NA	NA	39.99	10.03	30.90	1.17	NA
S-5	07/28/1995	NA	NA	NA	NA	NA	NA	NA	39.99	11.42	30.07	1.87	NA
S-5	10/31/1995	NA	NA	NA	NA	NA	NA	NA	39.99	13.21	27.21	0.54	NA
S-5	01/10/1996	NA	NA	NA	NA	NA	NA	NA	39.99	12.05	28.04	0.13	NA
S-5	04/25/1996	NA	NA	NA	NA	NA	NA	NA	39.99	9.68	30.33	0.03	NA
S-5	07/23/1996	NA	NA	NA	NA	NA	NA	NA	39.99	9.82	30.20	0.04	NA
S-5	12/10/1996	270,000	8,800	29,000	5,200	37,000	<2,500	NA	39.99	9.10	30.91	0.03	NA
S-5 (D)	12/10/1996	400,000	9,200	32,000	7,200	50,000	<2,500	NA	39.99	9.10	30.91	0.03	NA
S-5	02/20/1997	88,000	2,000	11,000	1,600	19,000	<500	NA	39.99	8.93	31.06	NA	5
S-5	05/22/1997	NA	NA	NA	NA	NA	NA	NA	39.99	10.07	29.94	0.02	NA
S-5	08/22/1997	NA	NA	NA	NA	NA	NA	NA	39.99	10.24	29.77	0.02	NA
S-5	11/03/1997	NA	NA	NA	NA	NA	NA	NA	39.99	10.91	29.10	0.02	NA
S-5	02/20/1998	NA	NA	NA	NA	NA	NA	NA	39.99	7.81	32.20	0.03	NA
S-5	05/18/1998	NA	NA	NA	NA	NA	NA	NA	39.99	9.64	30.37	0.02	NA
S-5	05/31/2001	NA	NA	NA	NA	NA	NA	NA	39.99	10.13	29.86	NA	NA

S-6	05/13/1991	13,000	600	140	210	310	NA	NA	40.12	7.82	32.30	NA	NA
S-6	08/23/1991	9,800	480	80	120	150	NA	NA	40.12	9.58	30.54	NA	NA
S-6	11/07/1991	6,200	240	23	25	27	NA	NA	40.12	10.86	29.26	NA	NA
S-6	01/28/1992	5,600	250	15	41	36	NA	NA	40.12	8.97	31.15	NA	NA

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S-6	05/06/1992	7,100	330	29	110	210	NA	NA	40.12	8.27	31.85	NA	NA
S-6	08/26/1992	13,000	240	<50	56	780	NA	NA	40.12	9.57	31.55	NA	NA
S-6	10/28/1992	10,000	470	210	67	170	NA	NA	40.12	8.90	32.22	NA	NA
S-6	01/19/1993	4,800	100	26	27	45	NA	NA	40.12	4.84	35.28	NA	NA
S-6	04/29/1993	7,000	430	20	<12.5	42	NA	NA	40.12	5.61	34.51	NA	NA
S-6	07/22/1993	5,800	260	120	65	150	NA	NA	40.12	6.56	33.56	NA	NA
S-6	10/21/1993	5,500	270	69	120	140	NA	NA	40.12	8.73	31.39	NA	NA
S-6	01/04/1994	7,100	180	58	63	62	NA	NA	40.12	7.14	32.98	NA	NA
S-6	04/13/1994	NA	NA	NA	NA	NA	NA	NA	40.12	7.21	32.91	NA	NA
S-6	07/25/1994	12,000	190	52	30	39	NA	NA	40.12	6.85	33.27	NA	NA
S-6 (D)	07/25/1994	7,200	170	32	31	34	NA	NA	40.12	6.85	33.27	NA	NA
S-6	10/10/1994	NA	NA	NA	NA	NA	NA	NA	40.12	6.20	33.92	NA	NA
S-6	01/26/1995	5,800	120	23	24	44	NA	NA	40.12	4.89	35.23	NA	NA
S-6	04/21/1995	NA	NA	NA	NA	NA	NA	NA	40.12	5.61	34.51	NA	NA
S-6	07/28/1995	4,400	210	23	34	60	NA	NA	40.12	5.30	34.82	NA	3
S-6 (D)	07/28/1995	6,100	230	20	38	59	NA	NA	40.12	5.30	34.82	NA	3
S-6	10/31/1995	NA	NA	NA	NA	NA	NA	NA	40.12	4.98	35.14	NA	NA
S-6	01/10/1996	6,800	170	87	35	105	NA	NA	40.12	5.67	34.45	NA	2.2
S-6 (D)	01/10/1996	7,800	230	120	50	210	NA	NA	40.12	5.67	34.45	NA	2.2
S-6	04/25/1996	NA	NA	NA	NA	NA	NA	NA	40.12	5.23	34.89	NA	NA
S-6	07/23/1996	2,600	170	<0.5	<0.5	8.5	<25	NA	40.12	5.40	34.72	NA	1.4
S-6	12/10/1996	NA	NA	NA	NA	NA	NA	NA	40.12	6.68	33.44	NA	0.7
S-6	02/20/1997	6,300	160	7.7	14	31	77	NA	40.12	5.70	34.42	NA	2
S-6	05/22/1997	NA	NA	NA	NA	NA	NA	NA	40.12	5.49	34.63	NA	0.9
S-6	08/22/1997	6,200	160	26	15	27	49	NA	40.12	5.71	34.41	NA	2.8
S-6	11/03/1997	NA	NA	NA	NA	NA	NA	NA	40.12	6.15	33.97	NA	1.4

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S-6	02/20/1998	4,100	150	<10	<10	15	55	NA	40.12	5.25	34.87	NA	0.4
S-6	05/18/1998	NA	NA	NA	NA	NA	NA	NA	40.12	5.69	34.43	NA	0.4
S-6	08/20/1998	7,800	240	38	16	39	110	NA	40.12	6.04	34.08	NA	1.5
S-6 (D) b	08/20/1998	8,400	270	30	19	31	130	NA	40.12	6.04	34.08	NA	1.5
S-6	11/06/1998	NA	NA	NA	NA	NA	NA	NA	40.12	6.10	34.02	NA	NA
S-6	02/16/1999	6,000	190	19	14	20	<2.5	NA	40.12	5.84	34.28	NA	1.7
S-6	05/28/1999	NA	NA	NA	NA	NA	NA	NA	40.12	9.51	30.61	NA	1.9
S-6	08/24/1999	6,870	193	32.1	18.8	36.4	<25.0	NA	40.12	8.29	31.83	NA	2.7
S-6	11/16/1999	NA	NA	NA	NA	NA	NA	NA	40.12	5.93	34.19	NA	2.6
S-6	02/02/2000	2,310	164	122	28.6	133	63.1	NA	40.12	5.33	34.79	NA	2.6
S-6	05/09/2000	NA	NA	NA	NA	NA	NA	NA	40.12	6.41	33.71	NA	2.4
S-6	08/03/2000	5,600	188	27.4	<10.0	25.2	174	NA	40.12	5.84	34.28	NA	2.7
S-6	11/15/2000	NA	NA	NA	NA	NA	NA	NA	40.12	5.58	34.54	NA	2.3
S-6	02/14/2001	6,140	126	13.2	8.01	18.0	205	NA	40.12	5.50	34.62	NA	1.3
S-6	05/31/2001	NA	NA	NA	NA	NA	NA	NA	40.12	5.52	34.60	NA	1.2
S-6	08/15/2001	6,000	160	9.1	5.8	24	NA	51	40.12	6.04	34.08	NA	0.4
S-6	12/31/2001	6,900	120	12	6.6	24	NA	44	40.12	5.52	34.60	NA	0.4
S-6	02/06/2002	4,300	110	7.3	4.8	18	NA	39	40.12	6.34	33.78	NA	0.5
S-6	06/04/2002	4,300	140	8.4	4.9	22	NA	26	40.12	6.19	33.93	NA	0.4
S-6	07/25/2002	3,900	140	9.0	5.5	23	NA	31	39.92	6.05	33.87	NA	0.7

S-7	05/13/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.56	29.54	NA	NA
S-7	08/23/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.16	28.94	NA	NA
S-7	11/07/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.48	28.62	NA	NA
S-7	01/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.72	29.38	NA	NA
S-7	05/06/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.34	29.76	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, 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)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	08/26/1992	160	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.13	28.97	NA	NA
S-7	10/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.52	28.58	NA	NA
S-7	01/19/1993	50	1.1	0.6	1.9	9.2	NA	NA	40.10	8.68	31.42	NA	NA
S-7	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	9.90	30.20	NA	NA
S-7	07/22/1993	Well inaccessible		NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	10/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.10	29.00	NA	NA
S-7	01/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.40	29.70	NA	NA
S-7	04/13/1994	<50	1.4	0.61	<0.5	0.64	NA	NA	40.10	10.20	29.90	NA	NA
S-7 (D)	04/13/1994	<50	1.4	0.61	<0.5	0.66	NA	NA	40.10	10.20	29.90	NA	NA
S-7	07/25/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.48	29.62	NA	NA
S-7 a	10/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.64	29.46	NA	NA
S-7	01/26/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	7.75	32.35	NA	4.6
S-7	04/21/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	8.51	31.59	NA	NA
S-7	07/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.20	29.90	NA	3
S-7	10/31/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.86	29.24	NA	4.9
S-7	01/10/1996	<50	<0.5	2	<0.5	2.6	NA	NA	40.10	10.33	29.77	NA	7.6
S-7	04/25/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.10	9.13	30.97	NA	6.2
S-7	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	14	NA	40.10	10.18	29.92	NA	3.7
S-7	12/10/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.10	9.04	31.06	NA	4.6
S-7	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.10	9.60	30.50	NA	5
S-7	05/22/1997	<50	1.3	<0.50	<0.50	<0.50	5.5	NA	40.10	10.63	29.47	NA	0.8
S-7	08/22/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.10	10.95	29.15	NA	2.6
S-7	11/03/1997	<50	2.2	1.7	0.58	3.4	<2.5	NA	40.10	11.29	28.81	NA	2.6
S-7	02/20/1998	350	23	13	14	42	3.8	NA	40.10	7.73	32.37	NA	4.6
S-7	05/18/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.10	10.29	29.81	NA	4.4
S-7	08/20/1998	Well inaccessible		NA	NA	NA	NA	NA	40.10	11.00	29.10	NA	5.4

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, 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)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	11/06/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	40.10	11.19	28.91	NA	5.2
S-7	02/16/1999	Well inaccessible		NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	05/28/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	40.10	9.76	30.34	NA	2.7
S-7	08/24/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.10	10.61	29.49	NA	2.1
S-7	11/16/1999	<50.0	<0.500	<0.500	<0.500	<0.500	3.68	NA	40.10	10.90	29.20	NA	2.3
S-7	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	40.10	10.30	29.80	NA	2.1
S-7	05/09/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.10	10.25	29.85	NA	2.7
S-7	08/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.10	10.65	29.45	NA	2.5
S-7	11/15/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.10	10.53	29.57	NA	4.6
S-7	02/14/2001	Well inaccessible		NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	05/31/2001	<50	<0.50	<0.50	<0.50	0.77	NA	4.6	40.10	9.46	30.64	NA	2.1
S-7	08/15/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	40.10	10.93	29.17	NA	2.0
S-7	12/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	6.0	40.10	9.14	30.96	NA	3.0
S-7	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	40.10	8.61	31.49	NA	3.2
S-7	06/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	40.10	10.41	29.69	NA	0.9
S-7	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	39.91	10.37	29.54	NA	1.1

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, 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)	SPH Thickness (ft.)	DO Reading (ppm)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8020.

MTBE = Methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

MSL = Mean sea level

ft = Feet

ppm = Parts per million

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, 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)	SPH Thickness (ft.)	DO Reading (ppm)
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Notes:

a = Sample analyzed for total dissolved solids (450 mg/L).

b = Surrogate recovery outside QC limits due to matrix effect.

c = Chromatogram pattern indicated an unidentified hydrocarbon.

d = This sample analyzed outside of EPA recommended hold time.

e = Concentration is an estimate value above the linear quantitation range.

Ownership of well S-5 is being transferred to Arco.

Beginning July 25, 2002, depth to waters referenced to Top of Casing.

Site surveyed January 9, 2002, by Virgil Chavez Land Surveying of Vallejo, California.

When separate-phase hydrocarbons are present, ground water elevation is adjusted using the relation:

Corrected ground water elevation = Top-of-casing elevation - depth to water + (0.8 x hydrocarbon thickness).



Report Number : 27707

Date : 8/6/02

Leon Gearhart
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112-1105

Subject : 5 Water Samples
Project Name : 999 San Pablo Avenue, Albany
Project Number : 020725-MM1
P.O. Number : 98995143

Dear Mr. Gearhart,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink that reads "Joel Kiff". The signature is written in a cursive style with a large, looped "J" and a long, sweeping underline.

Joel Kiff



Report Number : 27707

Date : 8/6/02

Project Name : 999 San Pablo Avenue, Albany

Project Number : 020725-MM1

Sample : S-1

Matrix : Water

Lab Number : 27707-01

Sample Date :7/25/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	7/30/02
TPH as Gasoline	230	50	ug/L	EPA 8260B	7/30/02
Toluene - d8 (Surr)	94.4		% Recovery	EPA 8260B	7/30/02
4-Bromofluorobenzene (Surr)	97.7		% Recovery	EPA 8260B	7/30/02

Sample : S-2

Matrix : Water

Lab Number : 27707-02

Sample Date :7/25/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	75	1.0	ug/L	EPA 8260B	8/5/02
Toluene	4.0	1.0	ug/L	EPA 8260B	8/5/02
Ethylbenzene	180	1.0	ug/L	EPA 8260B	8/5/02
Total Xylenes	24	1.0	ug/L	EPA 8260B	8/5/02
Methyl-t-butyl ether (MTBE)	460	10	ug/L	EPA 8260B	8/5/02
TPH as Gasoline	9000	200	ug/L	EPA 8260B	8/6/02
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	8/5/02
4-Bromofluorobenzene (Surr)	86.7		% Recovery	EPA 8260B	8/5/02

Approved By:  Joel Kiff



Report Number : 27707

Date : 8/6/02

Project Name : 999 San Pablo Avenue, Albany

Project Number : 020725-MM1

Sample : S-3

Matrix : Water

Lab Number : 27707-03

Sample Date :7/25/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	0.86	0.50	ug/L	EPA 8260B	7/30/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Total Xylenes	2.0	0.50	ug/L	EPA 8260B	7/30/02
Methyl-t-butyl ether (MTBE)	92	5.0	ug/L	EPA 8260B	7/30/02
TPH as Gasoline	3100	50	ug/L	EPA 8260B	7/30/02
Toluene - d8 (Surr)	94.6		% Recovery	EPA 8260B	7/30/02
4-Bromofluorobenzene (Surr)	97.7		% Recovery	EPA 8260B	7/30/02

Sample : S-6

Matrix : Water

Lab Number : 27707-04

Sample Date :7/25/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	140	0.50	ug/L	EPA 8260B	7/30/02
Toluene	9.0	0.50	ug/L	EPA 8260B	7/30/02
Ethylbenzene	5.5	0.50	ug/L	EPA 8260B	7/30/02
Total Xylenes	23	0.50	ug/L	EPA 8260B	7/30/02
Methyl-t-butyl ether (MTBE)	31	5.0	ug/L	EPA 8260B	7/30/02
TPH as Gasoline	3900	100	ug/L	EPA 8260B	7/31/02
Toluene - d8 (Surr)	94.5		% Recovery	EPA 8260B	7/30/02
4-Bromofluorobenzene (Surr)	98.8		% Recovery	EPA 8260B	7/30/02

Approved By:  Joel Kiff



Report Number : 27707

Date : 8/6/02

Project Name : 999 San Pablo Avenue, Albany

Project Number : 020725-MM1

Sample : S-7

Matrix : Water

Lab Number : 27707-05

Sample Date : 7/25/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	7/30/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/30/02
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	7/30/02
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	7/30/02

Approved By:  Joel Kiff

Report Number : 27707

Date : 8/6/02

QC Report : Method Blank Data

Project Name : **999 San Pablo Avenue, Albany**

Project Number : **020725-MM1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	7/30/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/30/02
Toluene - d8 (Surr)	99.2		%	EPA 8260B	7/30/02
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	7/30/02
Benzene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Toluene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	7/30/02
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	7/30/02
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	7/30/02
Toluene - d8 (Surr)	82.2		%	EPA 8260B	7/30/02
4-Bromofluorobenzene (Surr)	98.0		%	EPA 8260B	7/30/02

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By:


Joel Kiff

Report Number : 27707

Date : 8/6/02

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **999 San Pablo Avenue,**

Project Number : **020725-MM1**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	27641-04	<0.50	19.9	19.9	19.5	18.7	ug/L	EPA 8260B	7/29/02	97.8	93.6	4.39	70-130	25
Toluene	27641-04	<0.50	19.9	19.9	19.4	18.5	ug/L	EPA 8260B	7/29/02	97.6	92.8	5.02	70-130	25
Tert-Butanol	27641-04	<5.0	99.6	99.7	105	102	ug/L	EPA 8260B	7/29/02	105	102	2.93	70-130	25
Methyl-t-Butyl Ether	27641-04	8.1	19.9	19.9	31.2	30.7	ug/L	EPA 8260B	7/29/02	116	114	2.14	70-130	25
Benzene	27700-02	<0.50	40.0	40.0	43.6	40.7	ug/L	EPA 8260B	7/30/02	109	102	6.88	70-130	25
Toluene	27700-02	<0.50	40.0	40.0	37.8	32.5	ug/L	EPA 8260B	7/30/02	94.6	81.2	15.2	70-130	25
Tert-Butanol	27700-02	<5.0	200	200	209	204	ug/L	EPA 8260B	7/30/02	105	102	2.65	70-130	25
Methyl-t-Butyl Ether	27700-02	280	40.0	40.0	313	310	ug/L	EPA 8260B	7/30/02	83.7	75.8	9.84	70-130	25

Approved By:  Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 27707

Date : 8/6/02

QC Report : Laboratory Control Sample (LCS)

Project Name : **999 San Pablo Avenue,**

Project Number : **020725-MM1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	20.0	ug/L	EPA 8260B	7/29/02	89.2	70-130
Toluene	20.0	ug/L	EPA 8260B	7/29/02	89.3	70-130
Tert-Butanol	100	ug/L	EPA 8260B	7/29/02	99.3	70-130
Methyl-t-Butyl Ether	20.0	ug/L	EPA 8260B	7/29/02	100	70-130
Benzene	40.0	ug/L	EPA 8260B	7/30/02	108	70-130
Toluene	40.0	ug/L	EPA 8260B	7/30/02	88.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	7/30/02	97.3	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	7/30/02	106	70-130

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Approved By:


Joel Kiff

LAB: KIFF

SHELL Chain Of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING

TECHNICAL SERVICES

CRMT HOUSTON

Karen Petryna

27707

INCIDENT NUMBER (S&E ONLY)

9 8 9 9 5 1 4 3

SAP by CRMT NUMBER (TS/CRMT)

DATE: 7/25/02

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services		LOG CODE: BTSS	SITE ADDRESS (Street and City): 999 San Pablo Avenue, Albany		GLOBAL ID NO.: T0600101277
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml		PHONE NO.: 510-420-3335	E-MAIL: ShellOaklandEDF@cambria-env.com
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart		SAMPLER NAME(S) (Print): Matthew Miller		CONSULTANT PROJECT NO.: BTS # 020725-MM1	
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com		LAB USE ONLY	

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

LA - RWQCB REPORT FORMAT UST AGENCY: _____

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

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		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)	MTBE (8260B) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes	TEMPERATURE ON RECEIPT C°
		DATE	TIME															
✓	S-1	7/25	1220	W	3	X	X	X										-01
✓	S-2	↓	1235	W	3	X	X	X										-02
✓	S-3	↓	1235	W	3	X	X	X										-03
✓	S-6	↓	1315	W	3	X	X	X										-04
✓	S-7	7/25	1420	W	3	X	X	Y										-05

Relinquished by: (Signature) <u>Mark G. Lee</u>	Received by: (Signature)	Date: <u>7/26/02</u>	Time: <u>1029</u>
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) <u>John Little / Kiff Analytical</u>	Date: <u>072602</u>	Time: <u>1029</u>

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

10/16/00 Revision

O&G Graphic (714) 898-9702

WELL GAUGING DATA

Project # 020725-mm2 Date 7/25/02 Client Stell

Site 999 San Pablo Ave Albany

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 <u>or TOC</u>	Pre Pump DO
S-1	3					7.84	11.77	}	0.9
S-2	3					7.67	12.10		0.9
S-3	3					6.98	12.15		1.0
S-4	3					7.39	14.06		0.8
S-6	3					6.05	14.77		0.7
S-7	3					unable to access well	10.37/14.82		1.1
						horizontal ported over well			

SHELL WELL MONITORING DATA SHEET

BTS #: <u>020725-mm2</u>	Site: <u>999 San Pablo Ave</u>
Sampler: <u>MTM</u>	Date: <u>7/25/02</u>
Well I.D.: <u>S-1</u>	Well Diameter: 2 <u>(3)</u> 4 6 8
Total Well Depth: <u>11.77</u>	Depth to Water: <u>7.84</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

Other: _____

$\frac{1.5 \text{ (Gals.)} \times 3}{\text{Case Volume Specified Volumes}} = \frac{4.5 \text{ Gals.}}{\text{Calculated Volume}}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1213</u>	<u>67.3</u>	<u>7.29</u>	<u>678</u>	<u>508</u>	<u>1.5</u>	<u>cloudy / pebbles</u>
<u>1215</u>	<u>66.7</u>	<u>6.75</u>	<u>576</u>	<u>712</u>	<u>3.0</u>	<u>rs</u>
<u>1217</u>	<u>65.7</u>	<u>6.76</u>	<u>560</u>	<u>71000</u>	<u>4.5</u>	<u>"</u>

Did well dewater? Yes No Gallons actually evacuated: 4.5

Sampling Time: 1220 Sampling Date: 7/25/02

Sample I.D.: S-1 Laboratory: Kiff SPL Other _____

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

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: 0.9 mg/L Post-purge: _____ mg/L

D.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

SHELL WELL MONITORING DATA SHEET

BTS #: 020725-MMZ	Site: 899 San Pablo Ave Albany
Sampler: MJM	Date: 7/25/02
Well I.D.: S-2	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 12.10	Depth to Water: 7.67
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: Bailer Waterra Sampling Method: Bailer

Disposable Bailer Peristaltic
 Middleburg Extraction Pump
 Electric Submersible Other _____
 Disposable Bailer
 Extraction Port
 Dedicated Tubing

Other: _____

$1.6 \text{ (Gals.)} \times 3 = 4.8 \text{ Gals.}$ <p>1 Case Volume Specified Volumes Calculated Volume</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1325	70.0	6.89	837	41	1.6	odor/clear
1327	69.4	6.88	862	109	3.2	odor/sheen
1330	68.7	6.89	871	160	5.0	"

Did well dewater? Yes No Gallons actually evacuated: 5.0

Sampling Time: 1335 Sampling Date: 7/25/02

Sample I.D.: S-2 Laboratory: Kiff SPL Other _____

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

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:	0.9 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 020725-MMZ	Site: 999 San Pablo Ave Albany
Sampler: MCM	Date: 7/25/02
Well I.D.: S-3	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 12.15	Depth to Water: 6.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

Purge Method: (Bailer)	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: (Bailer)
Disposable Bailer Middleburg Electric Submersible		Disposable Bailer Extraction Port Dedicated Tubing
Other: _____		

$\frac{2}{1} \text{ (Gals.)} \times \frac{3}{\text{Specified Volumes}} = \frac{6}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1228	72.7	6.77	508	508	2	cloudy
1230	72.6	6.76	518	239	4	"
1232	72.3	6.79	523	275	6	"

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 1235 Sampling Date: 7/25/02

Sample I.D.: S-3 Laboratory: (Kiff) SPL Other _____

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

EB I.D. (if applicable): @ _____ Duplicate I.D. (if applicable): _____

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

D.O. (if req'd):	Pre-purge:	1.0 ^{mg/L}	Post-purge:	^{mg/L}
D.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 020725-mmz	Site: 999 San Pablo Ave Albany
Sampler: MTM	Date: 7/25/02
Well I.D.: S-6	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 14.77	Depth to Water: 6.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Purge Method: <u>Bailer</u> Disposable Bailer Middleburg Electric Submersible	Waterra Peristaltic Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	---	--

3 (Gals.) X 3 = 9 Gals.
 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1259	70.3	7.13	753	>1000	3	dark gray/odor
1305	69.4	7.19	780	>1000	6	"
1310	68.8	7.25	784	>1000	9	"

Did well dewater? Yes No Gallons actually evacuated: 9

Sampling Time: 1315 Sampling Date: 7/25/02

Sample I.D.: S-6 Laboratory: Kiff SPL Other: _____

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

3B 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:	0.7 ^{mg/L}	Post-purge:		
D.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: <u>020725-mm2</u>	Site: <u>999 San Pablo Ave Albany</u>
Sampler: <u>MTM</u>	Date: <u>7-25-02</u>
Well I.D.: <u>S-7</u>	Well Diameter: 2 <u>(3)</u> 4 6 8
Total Well Depth: <u>148.2</u>	Depth to Water: <u>10.37</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Purge Method: <u>Bailer</u> Disposable Bailer Middleburg Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	--

$\underline{1.6} \text{ (Gals.)} \times \underline{3} = \underline{4.8} \text{ Gals.}$ Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.63</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.63	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.63														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
<u>1410</u>	<u>69.9</u>	<u>6.71</u>	<u>646</u>	<u>32</u>	<u>1.75</u>	<u>clear</u>
<u>1412</u>	<u>69.3</u>	<u>6.65</u>	<u>670</u>	<u>60</u>	<u>3.25</u>	<u>"</u>
<u>1415</u>	<u>67.9</u>	<u>6.63</u>	<u>667</u>	<u>78</u>	<u>5</u>	<u>"</u>

Did well dewater? Yes (No) Gallons actually evacuated: 5

Sampling Time: 1420 Sampling Date: 7/25/02

Sample I.D.: S-7 Laboratory: Kiff SPL Other _____

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

SB I.D. (if applicable): @ _____ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd): <u>Pre-purge:</u>	<u>1.1</u> mg/L	Post-purge:	mg/L
D.R.P. (if req'd): <u>Pre-purge:</u>	mV	Post-purge:	mV

September 26, 2002

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

Alameda County
OCT 01 2002
Environmental Health

Re: **Subsurface Investigation Work Plan**
Shell-branded Service Station
999 San Pablo Avenue
Albany, California
Incident #98995143
Cambria Project # 244-0366



Dear Mr. Hwang:

Cambria Environmental Technology, Inc. (Cambria) is submitting this *Subsurface Investigation Work Plan* on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) as recommended in our August 12, 2002 *Second Quarter 2002 Monitoring Report*. The purpose of this work plan is to further define the extent of methyl tertiary butyl ether (MTBE) in groundwater downgradient of the site. Presented below are the site summary and the proposed scope of work.

SITE SUMMARY

Site Location: The subject site is located on the northeast corner of the intersection of San Pablo Avenue and Marin Avenue in Albany, California (Figure 1). The area surrounding the site consists primarily of mixed commercial and residential use.

Soil Lithology: The soil beneath the site consists primarily of clays and silts to a depth of approximately 6 to 9 feet below grade (fbg), beneath which a saturated silty gravelly sand layer was encountered to a depth of approximately 10 to 15 fbg. These units overlie a sandy silt unit to the maximum explored depth of 20.5 fbg.

Groundwater Depth and Flow Direction: Groundwater was initially encountered onsite during drilling activities at depths of approximately 10 to 11 fbg. Static water levels onsite, gauged quarterly during groundwater monitoring events since 1991, have ranged from approximately 5.5 fbg to approximately 11 fbg. Considering the site lithology as well as the difference in the

Oakland, CA
San Ramon, CA
Sonoma, CA

**Cambria
Environmental
Technology, Inc.**

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

initial versus the static groundwater depths, it is likely that a confined or semi-confined aquifer exists at this site. The groundwater gradient is generally to the west in the site vicinity, but varies across the site, likely due to the existence of an underground creek (now running in a large reinforced concrete pipe culvert) flowing west down Marin Avenue.

1990 Soil Boring and Monitoring Well Installations: During three separate drilling events in 1990, GeoStrategies Inc. (GSI) of Hayward California installed a total of seven exploratory soil borings (S-A through S-G) and seven groundwater monitoring wells (S-1 through S-7) at the subject site as described below.



On January 29 and 30, 1990, 10 exploratory borings were installed using a hollow-stem auger drill rig, 3 of which were completed as groundwater monitoring wells (S-1 through S-3, shown on Figure 2). Total petroleum hydrocarbons as gasoline (TPHg) were detected in all of the soil borings with the highest concentrations detected at approximately 10 fbg.


TPHg concentrations at the 10 fbg sample interval ranged from below laboratory detection limits to 1,900 parts per million (ppm). Only one of the borings (S-D) had detectable levels of TPHg at the 15 fbg sample interval. Up to 8,700 parts per billion (ppb) TPHg and 1,600 ppb benzene were detected in groundwater samples collected from groundwater monitoring wells S-1, S-2, and S-3. Results of this investigation are summarized in GSI's March 23, 1990 *Well Installation and Soil Boring Report*.

On April 16, 1990, GSI installed two additional groundwater monitoring wells to approximately 20.5 fbg and completed them as groundwater monitoring wells (S-4 and S-5) to depths of approximately 14 fbg (Figure 2). Soil and groundwater samples from S-4 were below laboratory detection limits for TPHg and benzene. S-5, constructed in a location across Marin Avenue to the south of the site and directly adjacent to another fuel sales facility (ARCO), showed detectable levels of TPHg and benzene in soil samples at 12 fbg and 15 fbg. In addition, S-5 contained 0.62 feet of separate phase hydrocarbons (SPH). The results of this investigation are summarized in GSI's June 28, 1990 *Well Installation Report*.

On August 28, 1990, GSI installed two soil borings to 19.5 fbg and then converted the borings to groundwater monitoring wells S-6 and S-7 installed to 15 fbg (Figure 2). TPHg and benzene were detected in soil samples from S-6 at 6 fbg and 9 fbg. No petroleum hydrocarbons were detected in soil samples collected from S-7. Groundwater samples from S-6 indicated the presence of TPHg and benzene. Groundwater samples collected from S-7 were below laboratory detection limits for TPHg and benzene.

1996 Underground Storage Tank (UST) Removal and Soil Sampling: On October 21, 1996, Paradiso Mechanical (Paradiso) of San Leandro, California removed three USTs, five product


dispensers and associated product piping. Cambria collected 12 soil samples from the UST excavation and 11 soil samples from beneath the product dispensers, vent lines and product lines. Petroleum hydrocarbons were detected in the UST excavation and in the dispenser/piping areas. Three backfill wells (RW-1, RW-2 and RW-3) were installed in the former UST excavation for potential use as remediation wells in the future. The results of this investigation are summarized in Cambria's October 3, 1997 *Underground Storage Tank Removal and Soil Sampling Report*.



2001 Sensitive Receptor Survey: In July 2001, Cambria conducted a ½-mile radius California Department of Water Resources well survey for the site to locate records of municipal and private wells in the site vicinity. The survey identified 22 monitoring or test wells, 2 wells of unknown use, 1 cathodic protection well, 1 destroyed well and 6 vapor extraction wells within a ½-mile radius of the site. One of the unknown wells, likely a monitoring well, is owned by Exxon; the other unknown well is owned by PG&E and is likely a cathodic protection well.

Groundwater Monitoring: Groundwater monitoring of wells S-1 through S-7 has been conducted at the site since 1991. Monitoring wells S-3, S-5 and S-6 are located upgradient of the Shell site, and downgradient of an ARCO service station located on the southeast corner of San Pablo Avenue and Marin Avenue. Groundwater samples collected from well S-3 have contained maximum TPHg, benzene and MTBE concentrations of 6,600 ppb, 60 ppb and 1,250 ppb, respectively. Well S-5 has contained up to 6.5 feet of SPH. Maximum TPHg, benzene and MTBE concentrations of 13,000 ppb, 600 ppb and 205 ppb, respectively, have been detected in well S-6. Ownership of upgradient well S-5, located across Marin Avenue from the site adjacent to an ARCO Service Station, is currently being transferred to ARCO for sampling and remediation.

Less than 400 ppb TPHg, 10 ppb benzene and 10 ppb MTBE (by EPA Method 8020) has been reported in well S-1 since 1998. Maximum TPHg, benzene and MTBE concentrations of 40,000 ppb, 5,000 ppb and 11,000 ppb, respectively, have been reported in well S-2. No TPHg or benzene has been reported in well S-4 since 1998, and no MTBE has been detected by EPA Method 8260 in well S-4 since 1999. Groundwater collected from well S-7 has not contained TPHg or benzene since 1998. The maximum MTBE concentration reported in well S-7 is 14 ppb by EPA Method 8020. No MTBE has been detected by EPA Method 8260 in well S-7 since 2001.

PROPOSED SCOPE OF WORK

Previous groundwater monitoring results at the site indicate that the highest MTBE concentrations have been detected in onsite monitoring well S-2. In order to better define the downgradient extent of MTBE at the site, Cambria proposes to install a groundwater monitoring well in the general downgradient direction of well S-2. The nearest practical location for this monitoring well installation is within the California Department of Transportation (Caltrans) right-of-way. In addition, Cambria proposes to install one monitoring well in the general downgradient direction of the USTs at the site. The proposed monitoring well locations are shown on Figure 2. Our scope of work for this investigation will include the following tasks:

Utility Location: Cambria will notify Underground Services Alert (USA) of our drilling activities, and USA will identify utilities in the site vicinity. A private utility locator may also be contacted.

Site Health and Safety Plan: We will prepare a comprehensive site safety plan to protect site workers. The plan will be reviewed and signed by each site worker and kept onsite during field activities.

Permits: We will obtain the required well installation permits from the Alameda County Department of Public Works and an encroachment permit from Caltrans.

Soil Boring: Assuming the absence of subsurface and overhead obstructions, Cambria will use a drill rig equipped with hollow-stem augers to advance two soil borings in the approximate locations shown on Figure 2. Both borings will be advanced to approximately 15 fbg, and converted to groundwater monitoring wells. Soil samples will be collected at 5-foot intervals. All collected soil samples will be transported to a State-approved analytical laboratory. Our standard field procedures are included as Attachment A.

Groundwater Monitoring Well Installation: The onsite groundwater monitoring well will be constructed of 4-inch diameter PVC, and the offsite monitoring well will be constructed of 2-inch diameter PVC. Each well will be screened with approximately 10 feet of 0.010-inch machined slot. A traffic-rated vault box will be installed to protect each well. The groundwater monitoring wells will be developed by surging and purging at least 10 casing volumes of water. Our standard field procedures for monitoring well installation are included as Attachment A.

Chemical Analysis: Soil samples will be analyzed by a State-certified analytical laboratory for TPHg, benzene, toluene, ethylbenzene and xylenes (BTEX), and MTBE.

Reporting: Upon receipt of analytical results, we will prepare a report that, at a minimum, will contain:

- A summary of the site background and history;
- Descriptions of the drilling and sampling methods;
- A boring/well log;
- Tabulated soil analytical results;
- Analytical reports and chain-of-custody forms; and
- Cambria's conclusions and recommendations.



Groundwater Monitoring: Following installation and development, the new monitoring wells will be added to the current groundwater monitoring program at the site. Routine groundwater samples will be collected on a quarterly basis and analyzed for TPHg, BTEX and MTBE.

Schedule: Upon receiving written work plan approval, permits will be acquired and the field activities will be scheduled. An investigation report will be submitted approximately 60 days after completing the field activities.

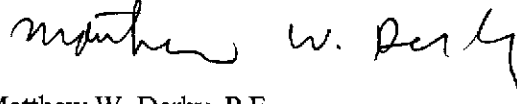
CLOSING

Please call Jacquelyn Jones at (510) 420-3316 if you have any questions or comments.

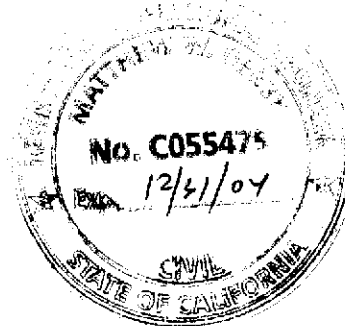
Sincerely,
Cambria Environmental Technology, Inc



Jacquelyn L. Jones
Project Geologist



Matthew W. Derby, P.E.
Senior Project Engineer

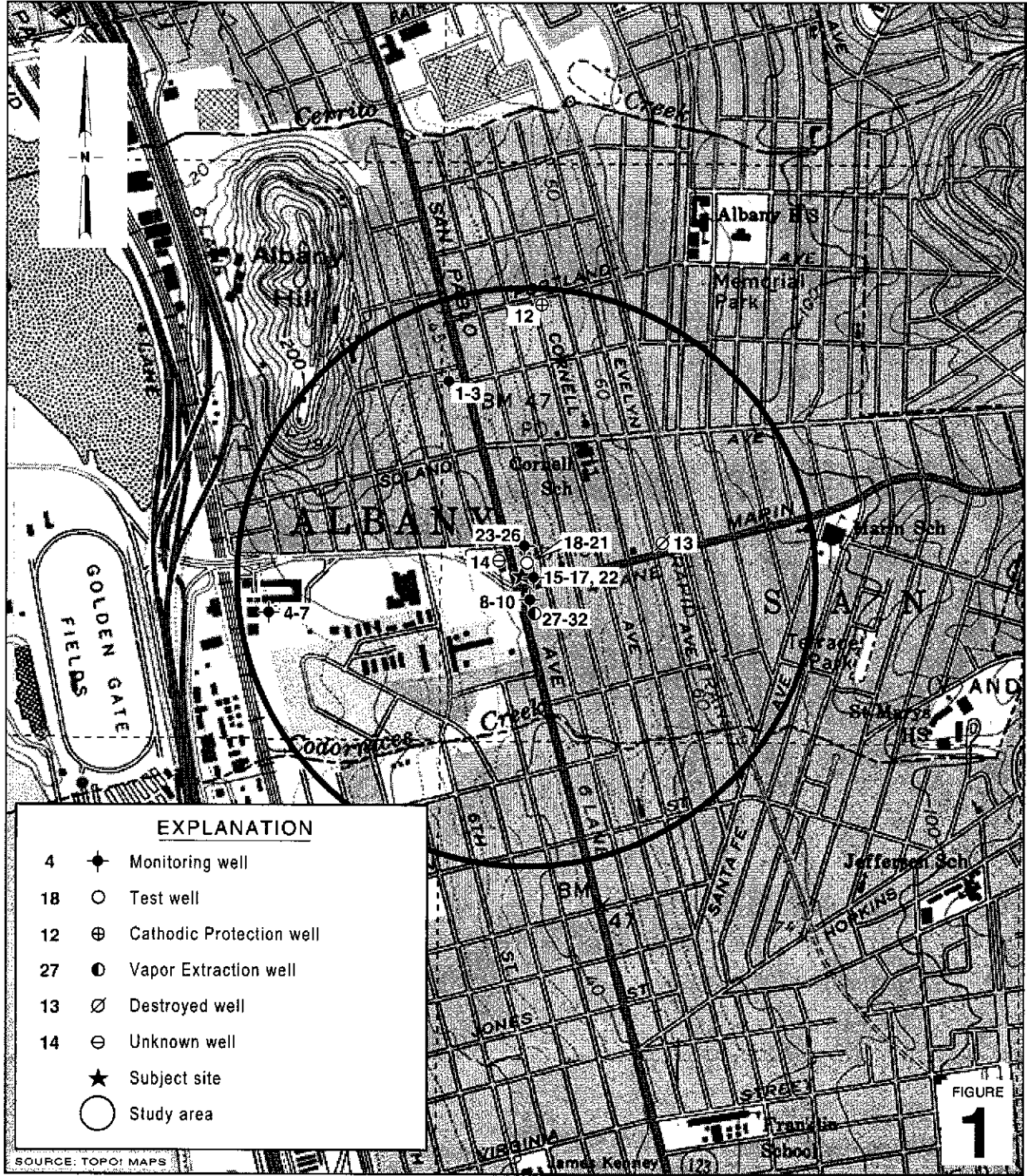


Figures: 1 - Vicinity/Area Well Survey Map
2 - Proposed Monitoring Well Location Map

Attachment: A - Standard Field Procedures for Monitoring Well Installation

cc: Karen Petryna, Shell Oil Products US, P.O. Box 7869, Burbank, California 91510-7869

G:\Albany 999 San Pablo\2002 Work Plan\999 San Pablo Work Plan 2002.doc



EXPLANATION	
4	◆ Monitoring well
18	○ Test well
12	⊕ Cathodic Protection well
27	● Vapor Extraction well
13	∅ Destroyed well
14	⊖ Unknown well
★	Subject site
○	Study area

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SOURCE: TOPOI MAPS

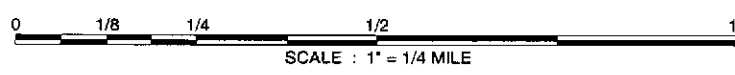


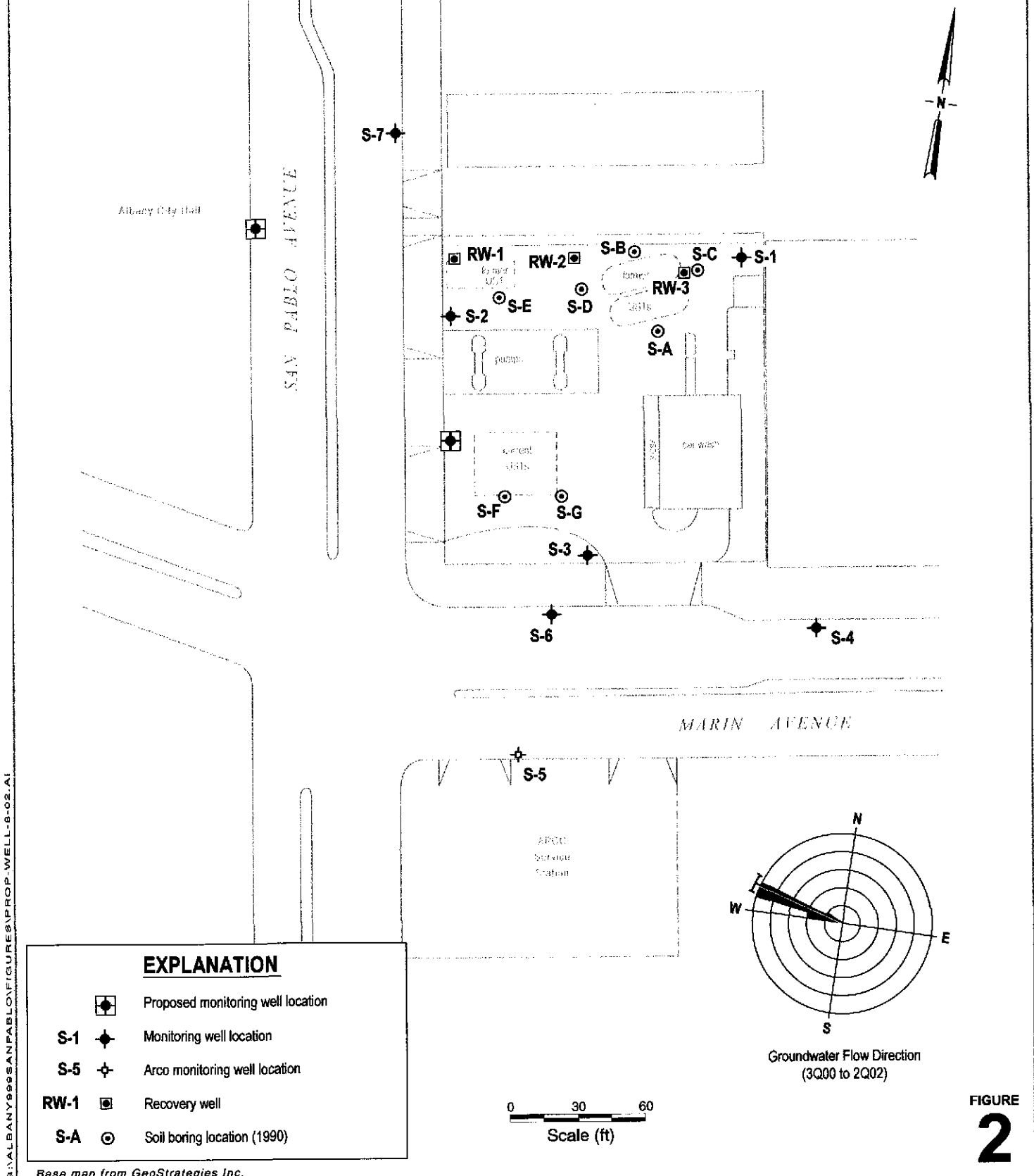
FIGURE 1

Shell-branded Service Station
 999 San Pablo Avenue □
 Albany, California □
 Incident #98995143



C A M B R I A

Vicinity / Area Well Survey Map
 (1/2-Mile Radius)



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Base map from GeoStrategies Inc.

FIGURE 2

Shell-branded Service Station
 999 San Pablo Avenue
 Albany, California
 Incident #98995143



**Proposed Monitoring Well
 Installation Map**

ATTACHMENT A

Standard Field Procedures for Monitoring Well Installation

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STANDARD FIELD PROCEDURES FOR MONITORING WELL INSTALLATION

This document presents standard field methods for drilling and sampling soil borings and installing, developing and sampling groundwater monitoring wells. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

SOIL BORINGS

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor or staining, and to collect samples for analysis at a State-certified laboratory. All borings are logged using the Unified Soil Classification System by a trained geologist working under the supervision of a California Registered Geologist (RG).

Soil Boring and Sampling

Soil borings are typically drilled using hollow-stem augers or direct-push technologies such as the Geoprobe®. Soil samples are collected at least every five ft to characterize the subsurface sediments and for possible chemical analysis. Additional soil samples are collected near the water table and at lithologic changes. Samples are collected using lined split-barrel or equivalent samplers driven into undisturbed sediments at the bottom of the borehole.

Drilling and sampling equipment is steam-cleaned prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Analysis

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon tape and plastic end caps. Soil samples are labeled and stored at or below 4° C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

Field Screening

One of the remaining tubes is partially emptied leaving about one-third of the soil in the tube. The tube is capped with plastic end caps and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable volatile vapor analyzer measures volatile hydrocarbon vapor concentrations in the tube headspace, extracting the vapor through a slit in the cap. Volatile vapor analyzer measurements are used along with the field observations, odors, stratigraphy and groundwater depth to select soil samples for analysis.

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Water Sampling

Water samples, if they are collected from the boring, are either collected using a driven Hydropunch® type sampler or are collected from the open borehole using bailers. The groundwater samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

MONITORING WELL INSTALLATION, DEVELOPMENT AND SAMPLING

Well Construction and Surveying

Groundwater monitoring wells are installed to monitor groundwater quality and determine the groundwater elevation, flow direction and gradient. Well depths and screen lengths are based on groundwater depth, occurrence of hydrocarbons or other compounds in the borehole, stratigraphy and State and local regulatory guidelines. Well screens typically extend 10 to 15 feet below and 5 feet above the static water level at the time of drilling. However, the well screen will generally not extend into or through a clay layer that is at least three feet thick.

Well casing and screen are flush-threaded, Schedule 40 PVC. Screen slot size varies according to the sediments screened, but slots are generally 0.010 or 0.020 inches wide. A rinsed and graded sand occupies the annular space between the boring and the well screen to about one to two feet above the well screen. A two feet thick hydrated bentonite seal separates the sand from the overlying sanitary surface seal composed of Portland type I,II cement.

Well-heads are secured by locking well-caps inside traffic-rated vaults finished flush with the ground surface. A stovepipe may be installed between the well-head and the vault cap for additional security.

The well top-of-casing elevation is surveyed with respect to mean sea level and the well is surveyed for horizontal location with respect to an onsite or nearby offsite landmark.

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Well Development

Wells are generally developed using a combination of groundwater surging and extraction. Surging agitates the groundwater and dislodges fine sediments from the sand pack. After about ten minutes of surging, groundwater is extracted from the well using bailing, pumping and/or reverse air-lifting through an eductor pipe to remove the sediments from the well. Surging and extraction continue until at least ten well-casing volumes of groundwater are extracted and the sediment volume in the groundwater is negligible. This process usually occurs prior to installing the sanitary surface seal to ensure sand pack stabilization. If development occurs after surface seal installation, then development occurs 24 to 72 hours after seal installation to ensure that the Portland cement has set up correctly.

All equipment is steam-cleaned prior to use and air used for air-lifting is filtered to prevent oil entrained in the compressed air from entering the well. Wells that are developed using air-lift evacuation are not sampled until at least 24 hours after they are developed.

Groundwater Sampling

Depending on local regulatory guidelines, three to four well-casing volumes of groundwater are purged prior to sampling. Purging continues until groundwater pH, conductivity, and temperature have stabilized. Groundwater samples are collected using bailers or pumps and are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4°C, and transported under chain-of-custody to the laboratory. Laboratory-supplied trip blanks accompany the samples and are analyzed to check for cross-contamination. An equipment blank may be analyzed if non-dedicated sampling equipment is used.

Waste Handling and Disposal

Soil cuttings from drilling activities are usually stockpiled onsite and covered by plastic sheeting. At least three individual soil samples are collected from the stockpiles and composited at the analytic laboratory. The composite sample is analyzed for the same constituents analyzed in the borehole samples in addition to any analytes required by the receiving disposal facility. Soil cuttings are transported by licensed waste haulers and disposed in secure, licensed facilities based on the composite analytic results.

Groundwater removed during development and sampling is typically stored onsite in sealed 55-gallon drums. Each drum is labeled with the drum number, date of generation, suspected contents, generator identification and consultant contact. Upon receipt of analytic results, the water is either pumped out using a vacuum truck for transport to a licensed waste treatment/disposal facility or the individual drums are picked up and transported to the waste facility where the drum contents are removed and appropriately disposed.

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