Shell Oil Products US

May 12, 2003

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

Subject: **Shell-branded Service Station**
3790 Hopyard Road
Pleasanton, California

Dear Mr. Seery:

Attached for your review and comment is a copy of the *First Quarter 2003 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

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

P.O. Box 7869 Burbank, CA 91510-7869 Phone (559) 645-9306 Facsimile (559) 645-5643

CAMBRIA

May 12, 2003

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

Re: **First Quarter 2003 Monitoring Report**
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident #98995842
Cambria Project #245-0497-002

Dear Mr. Seery:

This groundwater monitoring report is being submitted on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) by Cambria Environmental Technology, Inc. (Cambria) in accordance with the reporting requirements of 23 CCR 2652d. The site is located on the corner of Hopyard Road and Las Positas Boulevard in Pleasanton, California (Figures 1 and 2).

REMEDIATION SUMMARY

Mobile Groundwater Extraction (GWE): Beginning the week of May 14, 2001, Advanced Cleanup Technologies Inc. of Benicia, California conducted three weekly 8-hour mobile GWE events using wells S-2, S-4 and T-2. Three additional GWE events were performed in August 2001. At Shell's direction, Onyx Industrial Service initiated twice-monthly events extracting from tank backfill well T-2 beginning in April 2002. Groundwater was also extracted from well S-4 between June 2002 and September 2002; extraction from well S-4 was discontinued due to low extraction volumes. Tank backfill well T-4 was added to the twice-monthly extraction events in October 2002. GWE was discontinued in March 2003 pending fixed GWE system installation and start-up.

Mobile GWE vacuum operations consist of lowering dedicated stingers into monitoring wells and extracting fluids using a vacuum truck. The volume of fluid extracted is recorded and used to calculate the quantity of aqueous-phase hydrocarbon removed from the subsurface. Mass-removal data for the site is presented in Table 1. To date, approximately 9.32 pounds of methyl tertiary butyl ether (MTBE) have been removed by GWE at the site.

Cambria Environmental Technology, Inc.

5900 Hollis Street
Suite A
Emeryville, CA 94608
Tel (510) 420-0700
Fax (510) 420-9170

Figures 3 through 5 show MTBE concentrations and mass removal estimates over time for wells S-4, T-2 and T-4, respectively. As shown on Figure 3, MTBE concentrations in well S-4 have shown a decreasing trend since the initiation of GWE. MTBE concentrations have decreased by approximately one order of magnitude in well S-4. As shown on Figure 4, MTBE concentrations detected in well T-2 in March 2003 are three orders of magnitude lower than those detected in June 2002. As shown on Figure 5, MTBE concentrations detected in well T-4 in March 2003 are also three orders of magnitude lower than those detected in June 2002.

FIRST QUARTER 2003 ACTIVITIES

Groundwater Monitoring: 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 that includes previously reported 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.

Interim Remediation: On August 28, 2002, Cambria submitted an *Interim Remediation Work Plan* proposing installation of a fixed GWE system at the site. The Alameda County Health Care Services Agency (ACHCSA) approved this work plan in a September 9, 2003 letter. Cambria began system installation during the fourth quarter 2003. Figure 6 shows the layout of the remediation system piping.

Subsurface Investigation Report: As proposed in our June 12, 2002 *Subsurface Investigation Work Plan* and in the addendum transmitted via electronic mail to Mr. Seery of the ACHCSA on July 22, 2002, Cambria installed two cone penetrometer testing (CPT) borings (CPT-1 and CPT-2) and two downgradient monitoring wells (S-11 and S-12) at the site between July and November 2002. Preliminary investigation results were submitted to the ACHCSA on February 5, 2003. Cambria submitted a *Subsurface Investigation Report* detailing the completed work on March 28, 2003.

Agency Meeting and Work Plan Request: Representatives from Cambria, Shell, ACHCSA and Zone 7 Water District met on February 13, 2003 to review the investigation data collected to date. After the meeting, Mr. Seery issued a February 27, 2003 letter requesting several action items and technical reports, including a work plan for further soil and groundwater investigation at the site.

ANTICIPATED SECOND QUARTER 2003 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report. As specified in the February 27, 2002 ACHCSA letter, the next quarterly monitoring report will be submitted by July 15, 2003.

Additional Analysis: In an October 22, 2002 letter, Mr. Scott Seery of the ACHCSA requested additional analysis of the next quarterly groundwater monitoring samples at the site for di-isopropyl ether (DIPE), ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), 1,2-dichloroethane (1,2-DCA) and ethylene dibromide (EDB). Samples collected during the fourth quarter 2002 were additionally analyzed as requested. The results of the additional analysis are summarized in Table 2.

As noted in our March 28, 2003 *Fourth Quarter 2002 Monitoring Report*, based on the lack of significant concentrations of DIPE, ETBE, TAME, 1,2-DCA and EDB detected during the fourth quarter 2002, **Cambria recommends analyzing quarterly groundwater monitoring samples collected from site wells for TBA only, in addition to total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, xylenes and MTBE. Cambria will implement this additional analysis during the second quarter 2003 unless otherwise directed by the ACHCSA.**

Interim Remediation: Pending final connection by the Pacific Gas and Electric Company and inspection by the City of Pleasanton, the GWE system is expected to start-up in May 2003. A system installation and start-up report will be submitted under separate cover.

Agency Response and Work Plan Submittal: In response to the February 27, 2003 ACHCSA letter, Cambria submitted an April 9, 2003 *Agency Response and Extension Request* addressing several action items requested in the ACHCSA letter and requesting an extension. **Mr. Seery of the ACHCSA granted an extension to May 1, 2003 in an April 15, 2003 electronic-mail transmittal.** Cambria submitted an April 30, 2003 *Subsurface Investigation Work Plan*. We will move forward with the proposed work following written work plan approval from the ACHCSA.

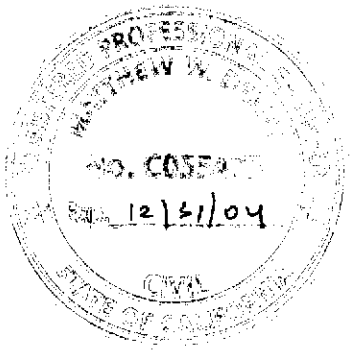
CLOSING

We appreciate the opportunity to work with you on this project. Please call Ana Friel at (707) 442-2700 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
3 - MTBE and Mass Removal – Well S-4
4 - MTBE and Mass Removal – Well T-2
5 - MTBE and Mass Removal – Well T-4
6 - Remediation System Site Plan

Tables:
1 - Groundwater Extraction - Mass Removal Data
2 - Groundwater Analytical Data - Oxygenates

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Shell Oil Products US, P.O. Box 7869, Burbank, CA 91510-7869
Chuck Headlee, RWQCB, 1515 Clay Street, Suite 1400, Oakland, CA 94612
Danielle Stefani, Livermore-Pleasanton Fire Department, 3560 Nevada Street, Pleasanton, CA 94566
Matthew W. Katen, Zone 7 Water Agency, 5997 Parkside Drive, Pleasanton, CA 94588-5127
Tri-Valley Management, 3730 Hopyard Road, Pleasanton CA 94588

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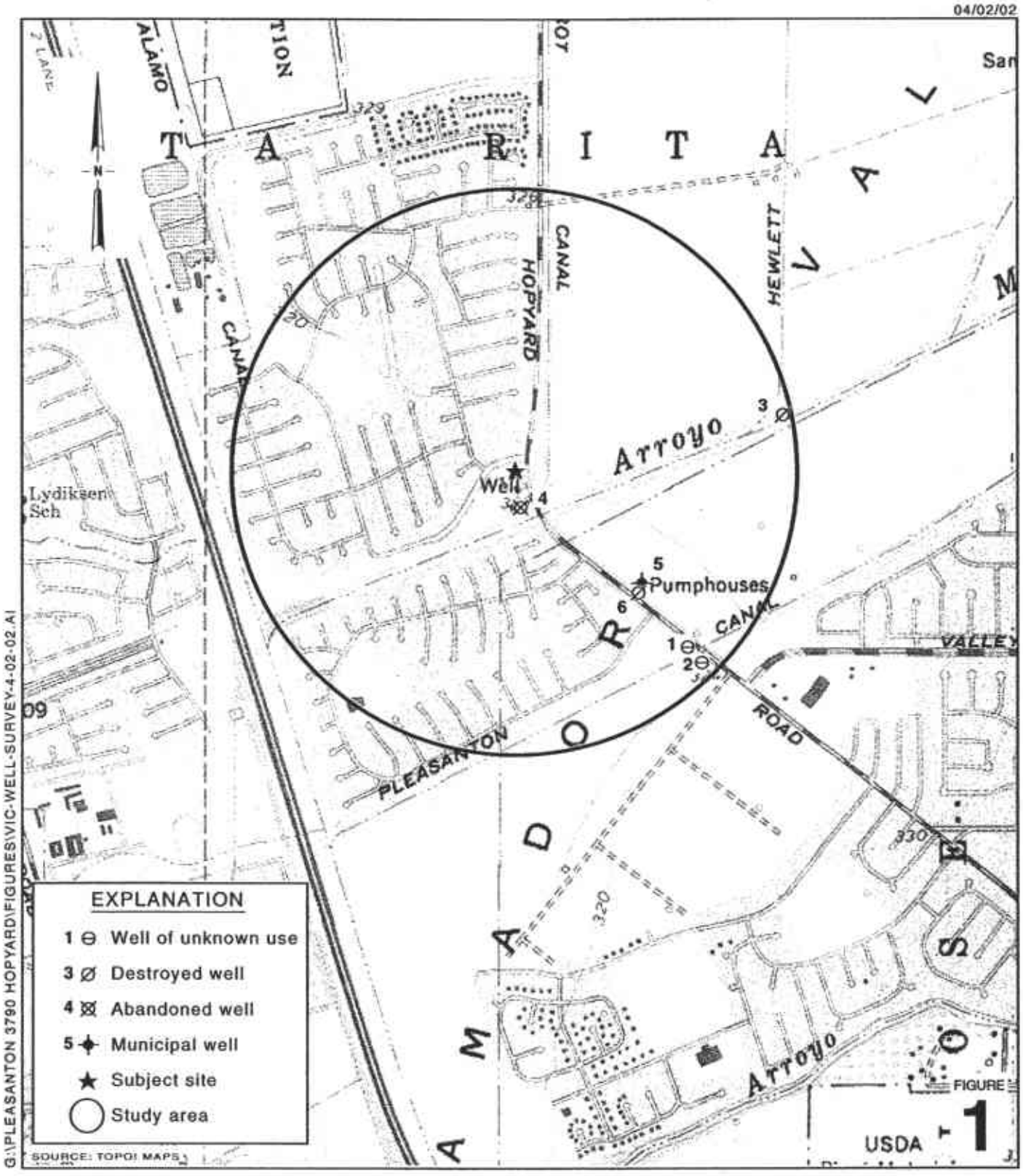

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident #98995842

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Vicinity/Area Well Survey Map

1/2 Mile Radius

05/12/03

Groundwater Elevation Contour Map

March 24, 2003

EXPLANATION

- Proposed soil boring clusters to 40 fbg.
- Proposed soil boring clusters to 75 fbg.
- S-2 — Monitoring well
- SR-1 — Groundwater recovery well
- T-1 — Tank backfill well
- S-1 — Destroyed monitoring well location
- ST-1 — Destroyed tank backfill well (PEG,1987)
- CPT-1 — CPT boring location
- A1 — Tank removal soil sample location (KEI, 1988)
- S-A — Soil boring location (Emcon, 1986)
- D-1 — Dispenser soil sampling location (Cambria, 7/26/02)
- P-1 — Product piping soil sampling location (7/26/02)
- C-1 — Creek gauging location
- Storm drain line (SD)
- Sanitary sewer line (SS)
- Water main (W)
- Gas line (G)
- NS — Not surveyed
- Data anomalous, not used for contouring
- Groundwater flow direction
- XX.XX — Groundwater elevation contour, in feet above **mean sea level (msl)**, approximately located; dashed where inferred
- Well / ELEV / Benzene / MTBE — Well designation; Groundwater elevation, in feet above msl; Benzene and MTBE concentrations are in parts per billion and are analyzed by EPA Method 8260.
- FH — Fire hydrant
- PG&E — PG&E vault
- fbg — Feet below grade
- Flow direction
- Electrical line (E)
- Telephone (T)

Municipal Well
Located 1,500 ft. SE
of Shell site

Las Positas
Office Plaza

Groundwater Flow Direction
(2Q97 to 1Q03)

LAS POSITAS BOULEVARD

HOPYARD ROAD

ARROYO MOCHO CANAL

Shell-branded
Service Station
3790 Hopyard

7-Eleven
3790 Hopyard

Business Center
3730 Hopyard

DMV
6280 Las Positas

NOTE: Utility locations are approximate

S-10	S-6	S-11	T-4	T-2	S-4	SR-2	S-7	S-12	S-9
309.27	312.89	310.23	NS	NS	313.55	314.16*	311.29	306.23	309.88
<0.50	<50	<0.50	<0.50	<2.5	<25	<50	<0.50	<0.50	<2.5
<5.0	<500	<5.0	15	310	780	10,000	21	<5.0	230

S-3	S-2	SR-3	S-5	S-8
314.69	313.91	315.13*	312.66	311.56
<0.50	28	<25	2.5	<0.50
<5.0	1,300	3,700	220	25

0 30 60 120
SCALE 1:60 FEET

FIGURE **2**

Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident #98995842

CAMBRIA

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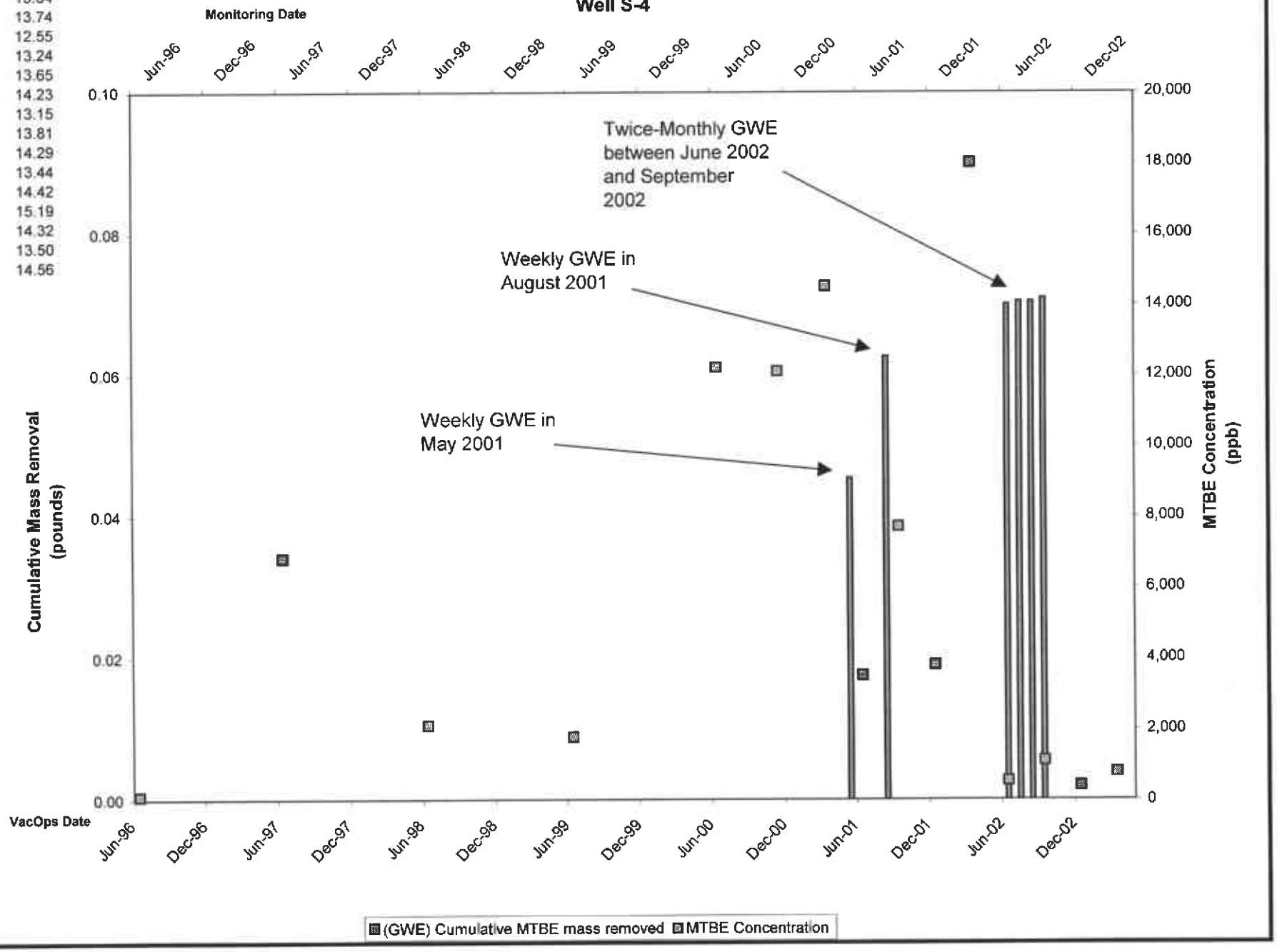
Figure 3
MTBE and Mass Removal
Well S-4

Date	DTW - ft
06/12/96	13.64
06/25/97	13.74
06/19/98	12.55
06/17/99	13.24
06/15/00	13.65
11/29/00	14.23
03/07/01	13.15
06/18/01	13.81
09/17/01	14.29
12/31/01	13.44
03/13/02	14.42
06/18/02	15.19
09/27/02	14.32
12/27/02	13.50
03/24/03	14.56



3790 Hopyard Road, Pleasanton, California

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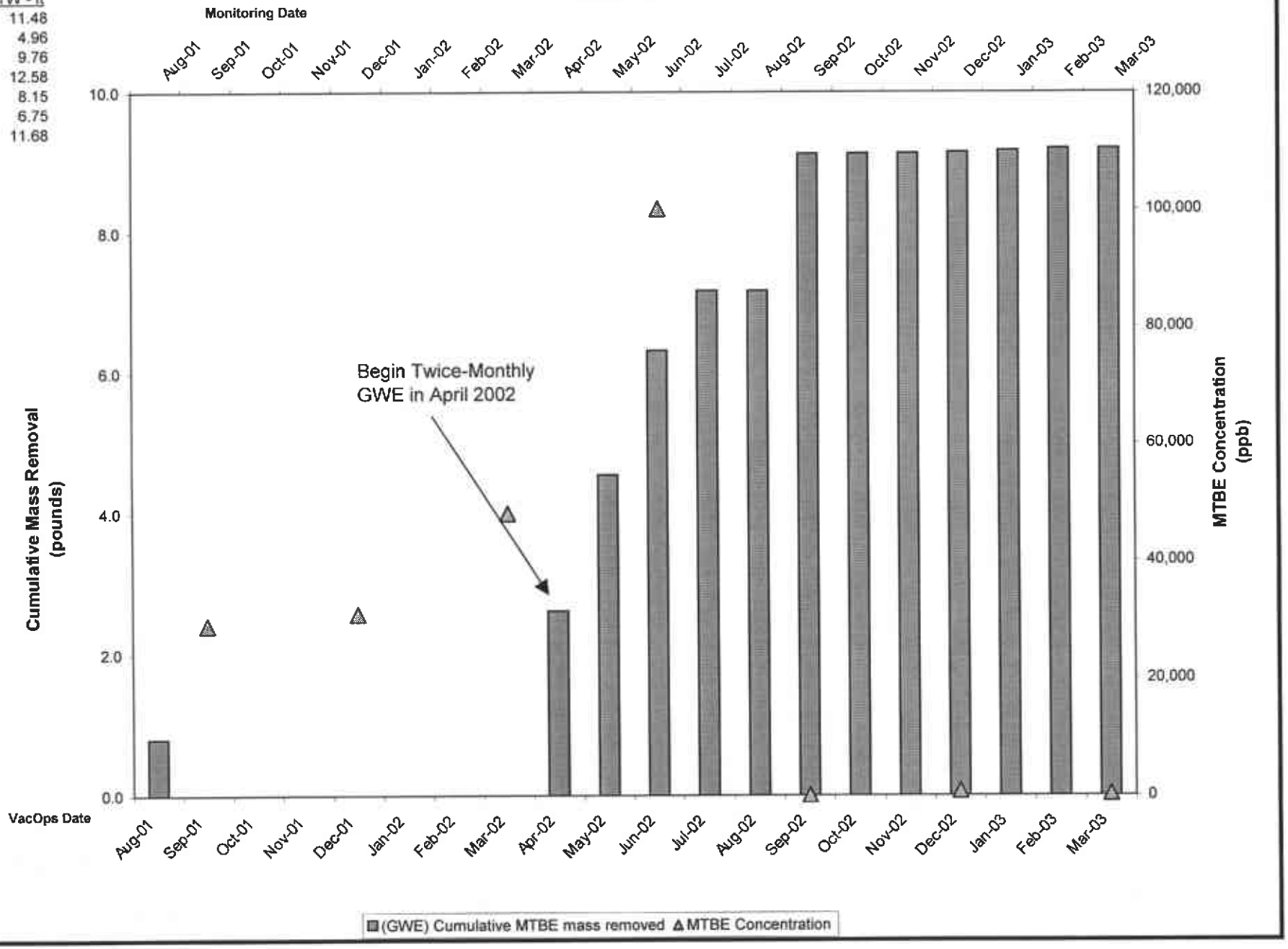
Figure 4
MTBE and Mass Removal
Well T-2

Date	DTW - ft
09/17/00	11.48
12/31/01	4.96
03/13/01	9.76
06/18/02	12.58
09/27/02	8.15
12/27/02	6.75
03/24/03	11.68



3790 Hopyard Road, Pleasanton, California

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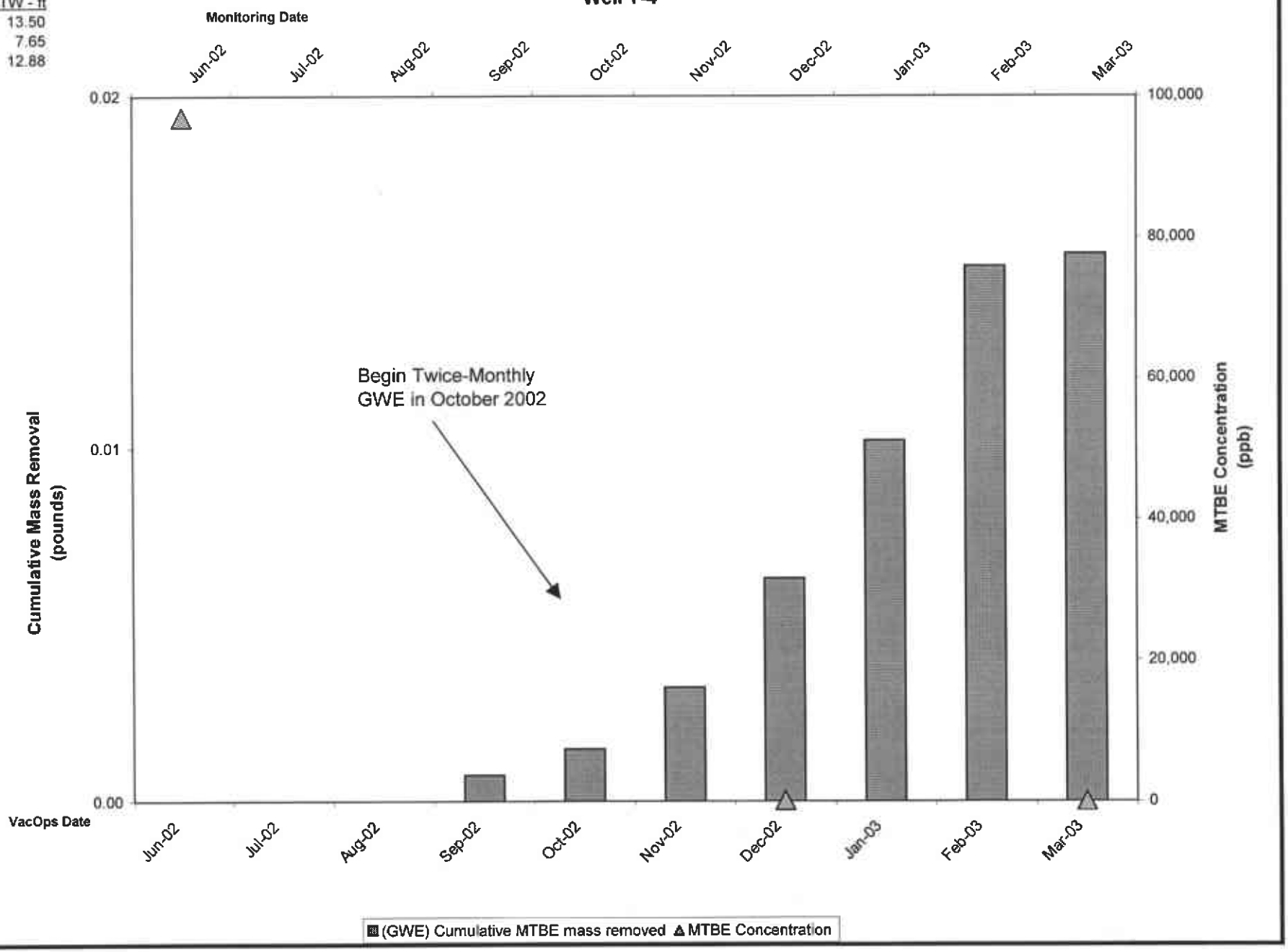
Figure 5
MTBE and Mass Removal
Well T-4

Date	DTW - ft
06/18/02	13.50
12/27/02	7.65
03/24/03	12.88



3790 Hopyard Road, Pleasanton, California

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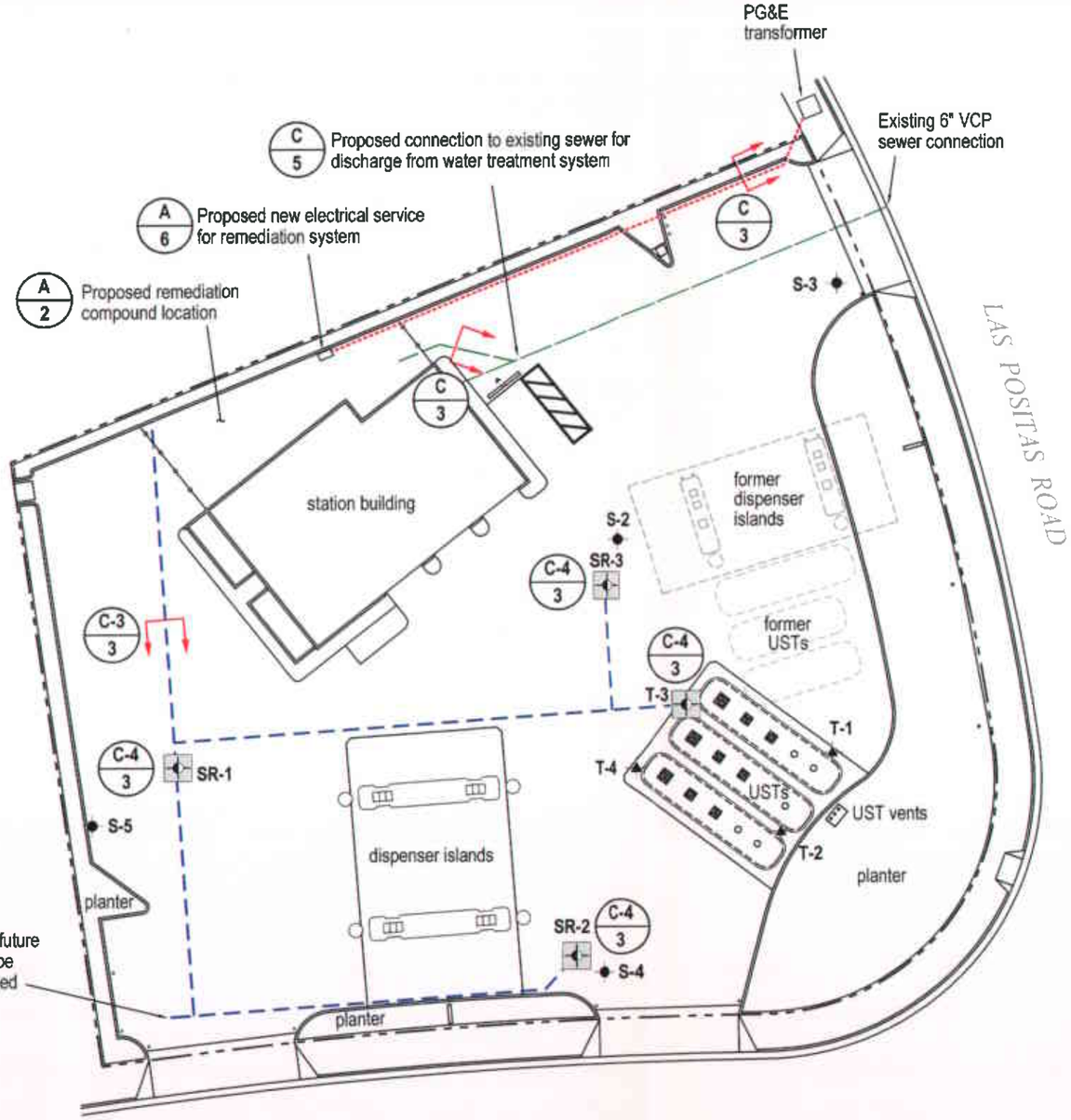
03/28/03



EXPLANATION

- MW-1 — Monitoring well location
- SR-1 — Wells proposed for shallow groundwater extraction
- T-1 — Existing Tank Backfill Well
- Proposed electrical service trench location
- Proposed water discharge connection
- Proposed fence
- Proposed remediation trench location
- D 3 — Denotes Shell Standard Detail Drawing Number
- D 3 — Cross-Section Indicator & Detail Designator

N

0 15 30 60

Scale (ft)

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Groundwater Extraction System Layout

CAMBRIA

Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident# 89995842

FIGURE
6

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995842, 3790 Hopyard Road, Pleasanton, California

					TPPH			Benzene			MTBE		
Date Purged	Well ID	Volume Pumped (gal)	Cumulative Volume Pumped (gal)	Date Sampled	TPPH Concentration (ppb)	TPPH Removed (pounds)	TPPH Removed To Date (pounds)	Benzene Concentration (ppb)	Benzene Removed (pounds)	Benzene Removed To Date (pounds)	MTBE Concentration (ppb)	MTBE Removed (pounds)	MTBE Removed To Date (pounds)
05/17/01	S-2	20	20	03/07/01	<500	0.00004	0.00004	14.7	0.00000	0.00000	8,610	0.00144	0.00144
05/22/01	S-2	100	120	03/07/01	<500	0.00021	0.00025	14.7	0.00001	0.00001	8,610	0.00718	0.00862
05/29/01	S-2	75	195	03/07/01	<500	0.00016	0.00041	14.7	0.00001	0.00002	8,610	0.00539	0.01401
08/08/01	S-2	50	245	06/18/01	<2,000	0.00042	0.00082	<20	0.00000	0.00003	**7,100**	0.00296	0.01697
08/17/01	S-2	20	265	06/18/01	<2,000	0.00017	0.00099	<20	0.00000	0.00003	**7,100**	0.00118	0.01816
08/31/01	S-2	250	515	06/18/01	<2,000	0.00209	0.00308	<20	0.00002	0.00005	**7,100**	0.01481	0.03297
05/17/01	S-4	100	100	03/07/01	<500	0.00021	0.00021	5.44	0.00000	0.00000	**14,500**	0.01210	0.01210
05/22/01	S-4	150	250	03/07/01	<500	0.00031	0.00052	5.44	0.00001	0.00001	**14,500**	0.01815	0.03025
05/29/01	S-4	125	375	03/07/01	<500	0.00026	0.00078	5.44	0.00001	0.00002	**14,500**	0.01512	0.04537
08/08/01	S-4	50	425	06/18/01	<1,000	0.00021	0.00099	<10	0.00000	0.00002	**3,500**	0.00146	0.04683
08/17/01	S-4	40	465	06/18/01	<1,000	0.00017	0.00116	<10	0.00000	0.00002	**3,500**	0.00117	0.04800
08/31/01	S-4	500	965	06/18/01	<1,000	0.00209	0.00324	<10	0.00002	0.00004	**3,500**	0.01460	0.06260
06/26/02	S-4	1,669	2,634	06/18/02	<100	0.00070	0.00394	1.1	0.00001	0.00005	**530**	0.00738	0.06998
07/10/02	S-4	100	2,734	06/18/02	<100	0.00004	0.00398	1.1	0.00000	0.00005	**530**	0.00044	0.07043
07/24/02	S-4	0	2,734	06/18/02	<100	0.00000	0.00398	1.1	0.00000	0.00005	**530**	0.00000	0.07043
08/12/02	S-4	0	2,734	06/18/02	<100	0.00000	0.00398	1.1	0.00000	0.00005	**530**	0.00000	0.07043
09/09/02	S-4	100	2,834	06/18/02	<100	0.00004	0.00402	1.1	0.00000	0.00005	**530**	0.00044	0.07087
05/17/01	T-2	2,300	2,300	NA	NA	0.00000	0.00000	NA	0.00000	0.00000	NA	0.00000	0.00000
05/22/01	T-2	0	2,300	NA	NA	0.00000	0.00000	NA	0.00000	0.00000	NA	0.00000	0.00000
05/29/01	T-2	0	2,300	NA	NA	0.00000	0.00000	NA	0.00000	0.00000	NA	0.00000	0.00000
08/08/01	T-2	1,300	3,600	09/17/01	<5,000	0.02712	0.02712	<25	0.00014	0.00014	**29,000**	0.31458	0.31458
08/17/01	T-2	10	3,610	09/17/01	<5,000	0.00021	0.02733	<25	0.00000	0.00014	**29,000**	0.00242	0.31700
08/31/01	T-2	2,000	5,610	09/17/01	<5,000	0.04172	0.06905	<25	0.00021	0.00035	**29,000**	0.48397	0.80097
04/11/02	T-2	2,465	8,075	03/13/02	<5,000	0.05142	0.12047	<50	0.00051	0.00086	**48,000**	0.98730	1.78828
04/24/02	T-2	2,074	10,149	03/13/02	<5,000	0.04327	0.16374	<50	0.00043	0.00129	**48,000**	0.83070	2.61898
05/15/02	T-2	2,410	12,559	03/13/02	<5,000	0.05027	0.21401	<50	0.00050	0.00179	**48,000**	0.96528	3.58425
05/29/02	T-2	2,408	14,967	03/13/02	<5,000	0.05023	0.26424	<50	0.00050	0.00230	**48,000**	0.96447	4.54873

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995842, 3790 Hopyard Road, Pleasanton, California

06/12/02	T-2	2,338	17,305	03/13/02	<5,000	0.04877	0.31302	<50	0.00049	0.00278	**48,000**	0.93644	5.48516
06/26/02	T-2	1,000	18,305	06/18/02	<20,000	0.08344	0.39646	<200	0.00083	0.00362	**100,000**	0.83444	6.31960
07/10/02	T-2	1,025	19,330	06/18/02	<20,000	0.08553	0.48199	<200	0.00086	0.00447	**100,000**	0.85530	7.17489
07/24/02	T-2	0	19,330	06/18/02	<20,000	0.00000	0.48199	<200	0.00000	0.00447	**100,000**	0.00000	7.17489
08/12/02	T-2	0	19,330	06/18/02	<20,000	0.00000	0.48199	<200	0.00000	0.00447	**100,000**	0.00000	7.17489
09/09/02	T-2	2,336	21,666	06/18/02	<20,000	0.19492	0.67692	<200	0.00195	0.00642	**100,000**	1.94924	9.12414
09/30/02	T-2	2,295	23,961	09/27/02	240	0.00460	0.68151	0.55	0.00001	0.00643	**39**	0.00075	9.12488
10/07/02	T-2	2,312	26,273	09/27/02	240	0.00463	0.68614	0.55	0.00001	0.00645	**39**	0.00075	9.12564
10/21/02	T-2	2,355	28,628	09/27/02	240	0.00472	0.69086	0.55	0.00001	0.00646	**39**	0.00077	9.12640
11/05/02	T-2	2,532	31,160	09/27/02	240	0.00507	0.69593	0.55	0.00001	0.00647	**39**	0.00082	9.12723
11/19/02	T-2	2,439	33,599	09/27/02	240	0.00488	0.70081	0.55	0.00001	0.00648	**39**	0.00079	9.12802
12/06/02	T-2	2,362	35,961	09/27/02	240	0.00473	0.70554	0.55	0.00001	0.00649	**39**	0.00077	9.12879
12/28/02	T-2	2,005	37,966	12/27/02	2,100	0.03513	0.74068	7.8	0.00013	0.00662	**790**	0.01322	9.14201
01/17/03	T-2	1,770	39,736	12/27/02	2,100	0.03102	0.77169	7.8	0.00012	0.00674	**790**	0.01167	9.15367
01/29/03	T-2	2,096	41,832	12/27/02	2,100	0.03673	0.80842	7.8	0.00014	0.00687	**790**	0.01382	9.16749
02/12/03	T-2	2,353	44,185	12/27/02	2,100	0.04123	0.84965	7.8	0.00015	0.00702	**790**	0.01551	9.18300
02/26/03	T-2	2,012	46,197	12/27/02	2,100	0.03526	0.88491	7.8	0.00013	0.00716	**790**	0.01326	9.19626
03/12/03	T-2	200	46,397	12/27/02	2,100	0.00350	0.88841	7.8	0.00001	0.00717	**790**	0.00132	9.19758
09/09/02	T-4*	0	0	09/27/02	240	0.00000	0.00000	0.55	0.00000	0.00000	**39**	0.00000	0.00000
09/09/02	T-4*	2,264	2,264	09/27/02	240	0.00453	0.00453	0.55	0.00001	0.00001	**39**	0.00074	0.00074
10/21/02	T-4*	2,329	4,593	09/27/02	240	0.00466	0.00920	0.55	0.00001	0.00002	**39**	0.00076	0.00149
11/05/02	T-4*	2,657	7,250	09/27/02	240	0.00532	0.01452	0.55	0.00001	0.00003	**39**	0.00086	0.00236
11/05/02	T-4*	2,657	9,907	09/27/02	240	0.00532	0.01984	0.55	0.00001	0.00005	**39**	0.00086	0.00322
12/06/02	T-4*	1,657	11,564	09/27/02	240	0.00332	0.02316	0.55	0.00001	0.00005	**39**	0.00054	0.00376
12/28/02	T-4	2,175	13,739	12/27/02	550	0.00998	0.03314	5.3	0.00010	0.00015	**140**	0.00254	0.00630
01/17/03	T-4	1,664	15,403	12/27/02	550	0.00764	0.04078	5.3	0.00007	0.00022	**140**	0.00194	0.00825
01/29/03	T-4	1,679	17,082	12/27/02	550	0.00771	0.04848	5.3	0.00007	0.00030	**140**	0.00196	0.01021
02/12/03	T-4	2,276	19,358	12/27/02	550	0.01045	0.05893	5.3	0.00010	0.00040	**140**	0.00266	0.01287
02/26/03	T-4	1,969	21,327	12/27/02	550	0.00904	0.06796	5.3	0.00009	0.00048	**140**	0.00230	0.01517
03/12/03	T-4	308	21,635	12/27/02	550	0.00141	0.06938	5.3	0.00001	0.00050	**140**	0.00036	0.01553
Total Gallons Extracted:			**71,381**		**Total Pounds Removed:**		**0.96489**			**0.00727**			**9.31695**
					Total Gallons Removed:		**0.15818**			**0.00106**			**1.50273**

Table 1: Groundwater Extraction - Mass Removal Data - Shell-branded Service Station, Incident #98995842, 3790 Hopyard Road, Pleasanton, California

Abbreviations & Notes:

TPPH = Total purgeable hydrocarbons as gasoline
MtBE = Methyl tert-butyl ether
ppb = Parts per billion
gal = Gallon
* = Concentrations for tank backfill well T-4 taken from nearest sampled tank backfill well, T-2.
Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x ($g/10^6 \mu g$) x (pound/453.6g) x (3.785 L/gal)
Volume removal data based on the formula: density (in gms/cc) x 9.339 (ccxlbs/gmsxgals)
TPPH, benzene analyzed by EPA Method 8015/8020
MTBE analyzed by EPA Method 8260 in bold font, all other MTBE analyzed by EPA Method 8020
Concentrations based on most recent groundwater monitoring results
Groundwater extracted by vacuum trucks provided by ACTI. Water disposed of at a Martinez Refinery.

Table 2. **Groundwater Analytical Data - Oxygenates** - Shell-branded Service Station, Incident #98995842, 3790 Hopyard Road, Pleasanton, California

Sample ID	Date Sampled	MTBE	DIPE	ETBE	TAME	TBA	Ethanol	1,2-DCA	EDB
		← (Concentrations in ppb) →							
S-2	09/17/01	7,500	<10	<10	<10	680	<500	---	---
	12/27/02	**4,300**	**<10**	**<10**	**<10**	**5,600**	---	**<10**	**<10**
S-3	**12/27/02**	**<5.0**	**<2.0**	**<2.0**	**<2.0**	**<50**	---	**<2.0**	**<2.0**
S-4	**12/27/02**	**390**	**<2.5**	**<2.5**	**<5.0**	**9,000**	---	**<2.5**	**<2.5**
S-5	**12/27/02**	**87**	**<2.0**	**<2.0**	**<2.0**	**<50**	---	**<2.0**	**<2.0**
S-6	09/17/01	5.7	<2.0	<2.0	<2.0	<50	<500	---	---
	12/27/02	**230**	**<5.0**	**<5.0**	**<5.0**	**10,000**	---	**<5.0**	**<5.0**
S-7	**12/27/02**	**22**	**<2.0**	**<2.0**	**<2.0**	**<50**	---	**4.1**	**<2.0**
S-9	**12/27/02**	**180**	**<2.0**	**<2.0**	**<2.0**	**<50**	---	**2.8**	**<2.0**
S-10	**12/27/02**	**<5.0**	**<2.0**	**<2.0**	**<2.0**	**<50**	---	**<2.0**	**<2.0**
S-11	**12/27/02**	**<5.0**	**<2.0**	**<2.0**	**<2.0**	**<50**	---	**<2.0**	**<2.0**
S-12	**12/27/02**	**<5.0**	**<2.0**	**<2.0**	**<2.0**	**<50**	---	**<2.0**	**<2.0**
SR-2	**12/27/02**	**4,800**	**<10**	**<10**	**<10**	**1,600**	---	**<10**	**<10**
SR-3	**12/27/02**	**5,100**	**<20**	**<20**	**<20**	**4,600**	---	**<20**	**<20**

Table 2. **Groundwater Analytical Data - Oxygenates** - Shell-branded Service Station, Incident #98995842, 3790 Hopyard Road, Pleasanton, California

Sample ID	Date Sampled	MTBE	DIPE	ETBE	TAME	TBA	Ethanol	1,2-DCA	EDB
		← (Concentrations in ppb) →							
T-2	**12/27/02**	**790**	**<2.0**	**<2.0**	**2.7**	**1,200**	**---**	**<2.0**	**<2.0**
T-4	**12/27/02**	**140**	**<2.0**	**<2.0**	**<2.0**	**120**	**---**	**<2.0**	**<2.0**

Abbreviations:

MTBE = Methyl tert-butyl ether, analyzed by EPA Method 8260
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260
ETBE = Ethyl tert-butyl ether, analyzed by EPA Method 8260
TAME = Tert-amyl methyl ether, analyzed by EPA Method 8260
TBA = Tert-butyl alcohol, analyzed by EPA Method 8260
Ethanol analyzed by EPA Method 8260
1,2-DCA = 1,2-dichloroethane, analyzed by EPA Method 8260
EDB = 1,2-dibromomethane or ethlyene dibromide, analyzed by EPA Method 8260
ppb = Parts per billion
--- = Not analyzed

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

BLAINE
TECH SERVICES INC.

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SAN JOSE, CA 95112-1105
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April 29, 2003

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

First Quarter 2003 Groundwater Monitoring at
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Monitoring performed on March 24, 2003

Groundwater Monitoring Report **030324-DA-1**

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

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

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

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

Please call if you have any questions.

Yours truly,

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.
5900 Hollis Street, Suite A
Oakland, CA 94608

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	03/20/1991	110	NA	30	2.2	10	7	NA	NA	329.21	NA	NA	NA
S-2	06/26/1991	50a	NA	6.3	<0.5	3.3	1.3	NA	NA	329.21	NA	NA	NA
S-2	09/05/1991	90	NA	12	3.2	2.5	2.3	NA	NA	329.21	NA	NA	NA
S-2	12/13/1991	<50	NA	12	<0.5	<0.5	<0.5	NA	NA	329.21	15.85	313.36	NA
S-2	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	329.21	14.94	314.27	NA
S-2	06/24/1992	<50	NA	0.9	<0.5	<0.5	<0.5	NA	NA	329.21	15.78	313.43	NA
S-2	09/17/1992	78	NA	2.6	1.3	1.3	0.9	NA	NA	329.21	15.03	314.18	NA
S-2	12/11/1992	<50	NA	0.8	<0.5	<0.5	<0.5	NA	NA	329.21	14.81	314.40	NA
S-2	02/04/1993	55	NA	1.3	0.7	0.7	<0.5	NA	NA	329.21	NA	NA	NA
S-2	06/03/1993	<50	NA	0.7	<0.5	<0.5	<0.5	NA	NA	329.21	NA	NA	NA
S-2	09/15/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	14.63	314.58	NA
S-2	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	14.70	314.51	NA
S-2	06/16/1994	<50	NA	0.8	<0.5	0.7	<0.5	NA	NA	329.21	14.94	314.27	NA
S-2	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	15.17	314.04	NA
S-2	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.21	14.25	314.96	NA
S-2	06/12/1996	<50	NA	6.1	<0.5	<0.5	<0.5	48	NA	329.21	14.31	314.90	NA
S-2	06/25/1997	120	NA	25	0.59	2.4	8.7	130	NA	329.21	14.40	314.81	4.4
S-2	06/19/1998	450	NA	96	<2.5	4	19	180	NA	329.21	13.72	315.49	2.8
S-2	06/17/1999	312	NA	74.4	2.04	1.02	<1.00	147	NA	329.21	13.97	315.24	3.7
S-2	06/15/2000	1,050	NA	261	<5.00	7.54	11.4	13,500	9,850b	329.21	14.25	314.96	3.3
S-2	11/29/2000	<250	NA	3.75	<2.50	<2.50	<2.50	12,400	10,700b	329.21	14.82	314.39	2.2
S-2	03/07/2001	<500	NA	14.7	<5.00	<5.00	<5.00	8,610	NA	329.21	13.70	315.51	2.3
S-2	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	7,100	329.21	14.56	314.65	NA
S-2	09/17/2001	<2,000	NA	<10	<10	<10	<10	NA	7,500	329.21	15.18	314.03	NA
S-2	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	329.21	13.19	316.02	NA
S-2	03/13/2002	<1,000	NA	65	<10	13	<10	NA	6,500	329.21	15.03	314.18	NA
S-2	06/18/2002	520	NA	28	<5.0	<5.0	<5.0	NA	2,800	329.21	15.60	313.61	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-2	09/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,200	328.77	14.90	313.87	NA
S-2	12/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,300	328.77	14.40	314.37	NA
S-2	**03/24/2003**	**<2,500**	**NA**	**28**	**<25**	**<25**	**<50**	**NA**	**1,300**	**328.77**	**14.86**	**313.91**	**NA**
S-3	03/20/1991	70	NA	2.3	8.9	4	23	NA	NA	327.67	NA	NA	NA
S-3	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.87	313.80	NA
S-3	03/11/1992	<30	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.05	314.62	NA
S-3	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.86	313.81	NA
S-3	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.01	314.66	NA
S-3	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	13.00	314.67	NA
S-3	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.67	NA	NA	NA
S-3	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.67	13.02	314.65	NA
S-3	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.67	NA	NA	NA
S-3	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	327.67	15.17	312.50	NA
S-3	06/21/1995	50	NA	4.1	<0.5	20	1.2	NA	NA	327.67	12.49	315.18	NA
S-3	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	327.67	12.53	315.14	NA
S-3	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.67	12.64	315.03	1.8
S-3	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.67	11.74	315.93	4.1
S-3	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	327.67	12.35	315.32	2.8
S-3	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	327.67	12.51	315.16	3.2
S-3	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	327.67	12.84	314.83	1.0
S-3	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	327.67	12.42	315.25	2.8
S-3	06/18/2001	<50	NA	0.66	1.1	<0.50	0.51	NA	0.66	327.67	13.74	313.93	NA
S-3	09/17/2001	<50	NA	0.73	0.96	<0.50	0.61	NA	<5.0	327.67	13.25	314.42	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-3	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.67	12.38	315.29	NA
S-3	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.67	13.16	314.51	NA
S-3	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.67	13.55	314.12	NA
S-3	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.40	13.32	314.08	NA
S-3	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.40	12.55	314.85	NA
S-3	**03/24/2003**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<5.0**	**327.40**	**12.71**	**314.69**	**NA**
S-4	03/20/1991	1,200	NA	100	<2.0	210	130	NA	NA	328.53	NA	NA	NA
S-4	06/26/1991	220	NA	14	<0.5	34	17	NA	NA	328.53	NA	NA	NA
S-4	09/05/1991	580	NA	31	0.8	53	26	NA	NA	328.53	NA	NA	NA
S-4	12/13/1991	370	NA	24	0.9	1.3	46	NA	NA	328.53	15.20	313.33	NA
S-4	03/11/1992	1,600	NA	23	1.2	12	20	NA	NA	328.53	14.37	314.16	NA
S-4	06/24/1992	480	NA	48	<1.0	95	22	NA	NA	328.53	15.30	313.23	NA
S-4	09/17/1992	260	NA	35	1.2	51	7.8	NA	NA	328.53	14.17	314.36	NA
S-4	12/11/1992	270	NA	34	0.8	28	4.5	NA	NA	328.53	14.18	314.35	NA
S-4	02/04/1993	1,100	NA	12	<5.0	89	100	NA	NA	328.53	NA	NA	NA
S-4	06/03/1993	210	NA	48	1.1	42	4	NA	NA	328.53	NA	NA	NA
S-4	09/15/1993	700	NA	21	<1.0	110	91	NA	NA	328.53	13.86	314.67	NA
S-4	12/09/1993	250	NA	39	<0.5	3.8	2.6	NA	NA	328.53	14.16	314.37	NA
S-4	03/04/1994	150	NA	25	1.4	6.8	2.8	NA	NA	328.53	14.17	314.36	NA
S-4 (D)	03/04/1994	140	NA	28	0.8	7.9	3.2	NA	NA	328.53	14.17	314.36	NA
S-4	06/16/1994	90	NA	12	<0.5	1.8	2.4	NA	NA	328.53	14.14	314.39	NA
S-4 (D)	06/16/1994	80	NA	5.9	<0.5	1.5	0.9	NA	NA	328.53	14.14	314.39	NA
S-4	09/13/1994	<50	NA	23	<0.5	4.9	2.4	NA	NA	328.53	14.42	314.11	NA
S-4 (D)	09/13/1994	<50	NA	23	<0.5	4	2.3	NA	NA	328.53	14.42	314.11	NA
S-4	06/21/1995	270	NA	34	1.4	25	7.6	NA	NA	328.53	13.82	314.71	NA
S-4 (D)	06/21/1995	280	NA	35	2.1	26	8.4	NA	NA	328.53	13.82	314.71	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-4	06/12/1996	360	NA	52	<0.5	<0.5	<0.5	92	NA	328.53	13.64	314.89	NA
S-4 (D)	06/12/1996	430	NA	54	<1.2	72	21	96	NA	328.53	13.64	314.89	NA
S-4	06/25/1997	6,700	NA	93	1,200	240	1,300	6,900	6,800	328.53	13.74	314.79	0.6
S-4	06/19/1998	3,500	NA	56	15	140	670	2,100	NA	328.53	12.55	315.98	0.8
S-4 (D)	06/19/1998	3,000	NA	51	14	110	530	2,000	NA	328.53	12.55	315.98	0.8
S-4	06/17/1999	1,510	NA	28.4	9.84	176	132	1,780	NA	328.53	13.24	315.29	4.8
S-4	06/15/2000	<500	NA	12.0	<5.00	31.0	22.8	12,200	NA	328.53	13.65	314.88	2.1
S-4	11/29/2000	<500	NA	<5.00	<5.00	<5.00	<5.00	12,100	NA	328.53	14.23	314.30	1.8
S-4	03/07/2001	<500	NA	5.44	<5.00	6.49	<5.00	11,400	14,500	328.53	13.15	315.38	2.4
S-4	06/18/2001	<1,000	NA	<10	<10	<10	<10	NA	3,500	328.53	13.81	314.72	NA
S-4	09/17/2001	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	7,700	328.53	14.29	314.24	NA
S-4	12/31/2001	<1,000	NA	<10	<10	<10	<10	NA	3,800	328.53	13.44	315.09	NA
S-4	03/13/2002	<2,500	NA	<25	<25	<25	<25	NA	18,000	328.53	14.42	314.11	NA
S-4	06/18/2002	<100	NA	1.1	<1.0	<1.0	<1.0	NA	530	328.53	15.19	313.34	NA
S-4	09/27/2002	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	1,100	328.11	14.32	313.79	NA
S-4	12/27/2002	280	NA	3.5	<2.5	17	4.7	NA	390	328.11	13.50	314.61	NA
S-4	**03/24/2003**	**<2,500**	**NA**	**<25**	**<25**	**<25**	**<50**	**NA**	**780**	**328.11**	**14.56**	**313.55**	**NA**
S-5	03/20/1991	310	NA	39	12	18	30	NA	NA	329.66	NA	NA	NA
S-5	06/26/1991	1,300	NA	250	62	120	180	NA	NA	329.66	NA	NA	NA
S-5	09/05/1991	4,700	NA	660	150	170	280	NA	NA	329.66	NA	NA	NA
S-5	12/13/1991	1,400	NA	580	19	110	80	NA	NA	329.66	17.48	312.18	NA
S-5	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	329.66	16.22	313.44	NA
S-5	06/24/1992	1,800	NA	380	52	120	180	NA	NA	329.66	17.47	312.19	NA
S-5	09/17/1992	2,200	NA	750	91	170	170	NA	NA	329.66	16.84	312.82	NA
S-5	12/11/1992	8,700	NA	1,600	66	48	340	NA	NA	329.66	16.37	313.29	NA
S-5	02/04/1993	150	NA	156	0.7	4.7	4	NA	NA	329.66	NA	NA	NA

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S-5	06/03/1993	480	NA	140	3.4	17	14	NA	NA	329.66	NA	NA	NA
S-5	09/15/1993	80	NA	2.4	0.5	1.4	2.9	NA	NA	329.66	16.20	313.46	NA
S-5	12/09/1993	120	NA	0.56	<0.5	2.2	1.2	NA	NA	329.66	16.26	313.40	NA
S-5	03/04/1994	70	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	16.25	313.41	NA
S-5	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	16.04	313.62	NA
S-5	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	11.52	318.14	NA
S-5	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	329.66	14.50	315.16	NA
S-5	06/12/1996	<500	NA	6	<5.0	<5.0	<5.0	1,400	NA	329.66	12.53	317.13	NA
S-5	06/25/1997	<250	NA	<2.5	<2.5	<2.5	<2.5	1,100	NA	329.66	15.34	314.32	1.1
S-5	06/19/1998	<50	NA	1	<0.50	<0.50	<0.50	61	NA	329.66	13.71	315.95	3.6
S-5	06/17/1999	<50.0	NA	1.44	<0.500	<0.500	<0.500	336	NA	329.66	13.56	316.10	1.4
S-5	06/15/2000	<50.0	NA	0.820	<0.500	<0.500	<0.500	221	NA	329.66	15.00	314.66	2.7
S-5	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	183	NA	329.66	16.29	313.37	0.7
S-5	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.55	NA	329.66	15.49	314.17	2.5
S-5	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	11	329.66	15.50	314.16	NA
S-5	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	17	329.66	16.35	313.31	NA
S-5	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	329.66	12.80	316.86	NA
S-5	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	93	329.66	16.32	313.34	NA
S-5	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	329.66	17.00	312.66	NA
S-5	09/27/2002	<50	NA	0.88	<0.50	<0.50	<0.50	NA	280	329.36	16.34	313.02	NA
S-5	12/27/2002	<50	NA	1.9	<0.50	<0.50	<0.50	NA	87	329.36	15.45	313.91	NA
S-5	**03/24/2003**	**<250**	**NA**	**2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**220**	**329.36**	**16.70**	**312.66**	**NA**
S-6	03/20/1991	130a	NA	606	0.6	0.7	3	NA	NA	327.62	NA	NA	NA
S-6	06/26/1991	120a	NA	3.8	0.8	<0.5	1.7	NA	NA	327.62	NA	NA	NA
S-6	09/05/1991	60	NA	<0.5	0.8	<0.5	0.5	NA	NA	327.62	NA	NA	NA
S-6	12/13/1991	150	NA	2.3	<0.5	<0.5	150	NA	NA	327.62	15.11	312.51	NA

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S-6	03/11/1992	<30	NA	<0.3	<0.3	<0.5	<0.3	NA	NA	327.62	16.35	311.27	NA
S-6	06/24/1992	170	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	16.51	311.11	NA
S-6	09/17/1992	190	NA	<0.5	1.6	<0.5	1.2	NA	NA	327.62	14.33	313.29	NA
S-6	12/11/1992	180	NA	<0.5	0.8	<0.5	0.7	NA	NA	327.62	14.48	313.14	NA
S-6	02/04/1993	290	NA	<0.5	<0.5	<0.5	0.7	NA	NA	327.62	NA	NA	NA
S-6	06/03/1993	100	NA	1.2	<0.5	<0.5	<0.5	NA	NA	327.62	NA	NA	NA
S-6	09/15/1993	160	NA	1.4	<0.5	0.9	2	NA	NA	327.62	14.16	313.46	NA
S-6	12/09/1993	130	NA	2.3	2.6	5.1	6.2	NA	NA	327.62	14.68	312.94	NA
S-6	03/04/1994	220	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	14.42	313.20	NA
S-6	06/16/1994	60	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	14.92	312.70	NA
S-6	09/13/1994	<50	NA	<0.5	6	<0.5	<0.5	NA	NA	327.62	14.72	312.90	NA
S-6	06/21/1995	270	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.62	13.86	313.76	NA
S-6	06/12/1996	200	NA	2	<0.5	<0.5	<0.5	12	NA	327.62	13.90	313.72	NA
S-6	06/25/1997	180	NA	<0.50	0.61	<0.50	0.77	28	NA	327.62	13.64	313.98	1.8
S-6 (D)	06/25/1997	130	NA	<0.50	<0.50	<0.50	<0.50	21	NA	327.62	13.64	313.98	1.8
S-6	06/19/1998	100	NA	7.6	<0.50	<0.50	<0.50	27	NA	327.62	13.81	313.81	1.7
S-6	06/17/1999	114	NA	4.14	<0.500	<0.500	<0.500	19.9	NA	327.62	14.21	313.41	1.6
S-6	06/15/2000	367	NA	17.5	<0.500	<0.500	<0.500	1,050	NA	327.62	14.51	313.11	1.8
S-6	11/29/2000	154	NA	0.754	16.4	<0.500	1.05	5,470	NA	327.62	14.32	313.30	2.1
S-6	03/07/2001	183	NA	0.971	25.1	0.636	0.996	6,830	NA	327.62	15.39	312.23	1.7
S-6	06/18/2001	<2,000	NA	<20	<20	<20	<20	NA	8,200	327.62	14.72	312.90	NA
S-6	09/17/2001 c	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.7	327.62	16.69	310.93	NA
S-6	12/31/2001	260	NA	<0.50	<0.50	<0.50	<0.50	NA	11,000	327.62	13.99	313.63	NA
S-6	03/13/2002	440	NA	<2.5	<2.5	<2.5	<2.5	NA	930	327.62	15.10	312.52	NA
S-6	06/18/2002	340	NA	<1.0	<1.0	<1.0	<1.0	NA	560	327.62	15.24	312.38	NA
S-6	09/27/2002	<250	NA	<2.5	<2.5	<2.5	<2.5	NA	580	327.26	14.34	312.92	NA
S-6	12/27/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	230	327.26	14.30	312.96	NA

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S-6	**03/24/2003**	**<5,000**	**NA**	**<50**	**<50**	**<50**	**<100**	**NA**	**<500**	**327.26**	**14.37**	**312.89**	**NA**
S-7	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	09/05/1991	<50	NA	<0.5	0.6	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	12/13/1991	<50	NA	<0.6	<0.5	<0.5	<0.5	NA	NA	328.67	17.70	310.97	NA
S-7	03/11/1992	<50	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	328.67	17.06	311.61	NA
S-7	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	17.80	310.87	NA
S-7	09/17/1992	<50	NA	0.6	0.6	<0.5	<0.5	NA	NA	328.67	17.00	311.67	NA
S-7	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	17.35	311.32	NA
S-7	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	NA	NA	NA
S-7	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.65	312.02	NA
S-7	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	328.67	NA	NA	NA
S-7	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	328.67	16.83	311.84	NA
S-7	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.67	15.88	312.79	NA
S-7	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	328.67	16.22	312.45	NA
S-7	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	328.67	16.12	312.55	3
S-7	06/19/1998	<50	NA	<0.50	<.050	<0.50	<0.50	<2.5	NA	328.67	14.81	313.86	2.6
S-7	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	328.67	15.91	312.76	5.1
S-7	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	7.32	NA	328.67	16.14	312.53	2.0
S-7	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	328.67	16.89	311.78	3.6
S-7	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	328.67	16.55	312.12	2.1
S-7	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	2.5	328.67	16.30	312.37	NA
S-7	09/17/2001 c	150	NA	<0.50	55	<0.50	<0.50	NA	8,300	328.67	14.23	314.44	NA
S-7	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	328.67	16.28	312.39	NA
S-7	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	5.9	328.67	17.41	311.26	NA

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S-7	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	12	328.67	17.63	311.04	NA
S-7	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	10	328.41	16.96	311.45	NA
S-7	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	22	328.41	16.00	312.41	NA
S-7	**03/24/2003**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**21**	**328.41**	**17.12**	**311.29**	**NA**
S-8	03/20/1991	<50a	NA	0.8	1.8	2.6	5.2	NA	NA	327.00	NA	NA	NA
S-8	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	15.73	311.27	NA
S-8	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	327.00	14.64	312.36	NA
S-8	06/24/1992	<50	NA	1.4	1.9	<0.5	<0.5	NA	NA	327.00	15.77	311.23	NA
S-8	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	15.37	311.63	NA
S-8	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	14.94	312.06	NA
S-8	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	NA	NA	NA
S-8	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.00	14.91	312.09	NA
S-8	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA
S-8	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	327.00	15.16	313.08	NA
S-8	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	327.00	14.11	312.89	NA
S-8	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	327.00	14.20	312.80	NA
S-8	06/25/1997	170	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.00	14.42	312.58	0.5
S-8	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	327.00	13.49	313.51	2.2
S-8	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	327.00	14.07	312.93	0.9
S-8	06/15/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA
S-8	06/21/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	21.0	NA	327.00	14.43	312.57	NA
S-8	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	9.46	NA	327.00	14.44	312.56	2.2
S-8	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	4.21	NA	327.00	13.69	313.31	2.1

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S-8	06/18/2001	<50	NA	0.55	0.92	<0.50	0.51	NA	13	327.00	14.60	312.40	NA
S-8	09/17/2001	Unable to sample		NA	NA	NA	NA	NA	NA	327.00	15.07	311.93	NA
S-8	09/18/2001	Unable to sample		NA	NA	NA	NA	NA	NA	327.00	NA	NA	NA
S-8	12/31/2001	<50	NA	1.1	1.4	<0.50	<0.50	NA	8.4	327.00	14.02	312.98	NA
S-8	03/13/2002	Unable to sample		NA	NA	NA	NA	NA	NA	327.00	14.92	312.08	NA
S-8	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	19	327.00	15.37	311.63	NA
S-8	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	19	326.14	14.60	311.54	NA
S-8	12/27/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	326.14	NA	NA	NA
S-8	01/07/2003	Well inaccessible		NA	NA	NA	NA	NA	NA	326.14	NA	NA	NA
S-8	**03/24/2003**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**25**	**326.14**	**14.58**	**311.56**	**NA**
S-9	03/20/1991	70a	NA	0.7	0.7	<0.5	1	NA	NA	328.24	NA	NA	NA
S-9	06/26/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	09/05/1991	<50	NA	<0.5	0.8	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	18.18	310.06	NA
S-9	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	328.24	17.37	310.87	NA
S-9	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	18.45	309.79	NA
S-9	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.88	310.36	NA
S-9	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.34	310.90	NA
S-9	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	NA	NA	NA
S-9	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	328.24	17.42	310.82	NA
S-9	12/09/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	16.89	311.35	NA
S-9	03/04/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.22	311.02	NA
S-9	06/16/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.46	310.78	NA
S-9	09/13/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.59	310.65	NA
S-9	06/21/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	328.24	17.03	311.21	NA

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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)	DO Reading (ppm)
S-9	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	328.24	16.76	311.48	NA
S-9	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	328.24	16.89	311.35	1
S-9	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	7.1	NA	328.24	15.59	312.65	3.8
S-9	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	15.3	NA	328.24	16.47	311.77	1.9
S-9	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	57.2	NA	328.24	16.11	312.13	1.1
S-9	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	76.5	NA	328.24	17.30	310.94	1.1
S-9	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	84.9	NA	328.24	19.42	308.82	1.1
S-9	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	86	328.24	17.22	311.02	NA
S-9	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	328.24	17.66	310.58	NA
S-9	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	120	328.24	17.65	310.59	NA
S-9	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	130	328.24	17.75	310.49	NA
S-9	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	160	328.24	19.59	308.65	NA
S-9	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	180	327.85	17.65	310.20	NA
S-9	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	180	327.85	18.45	309.40	NA
S-9	**03/24/2003**	**<250**	**NA**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**230**	**327.85**	**17.97**	**309.88**	**NA**
S-10	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	06/26/1991	50	NA	1.8	5.8	1.9	13	NA	NA	326.55	NA	NA	NA
S-10	09/05/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	12/13/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	14.77	311.78	NA
S-10	03/11/1992	<30	NA	<0.3	<0.3	<0.3	<0.3	NA	NA	326.55	14.16	312.39	NA
S-10	06/24/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	14.83	311.72	NA
S-10	09/17/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	13.85	312.70	NA
S-10	12/11/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	13.90	312.65	NA
S-10	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	06/03/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	NA	NA
S-10	09/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.66	312.89	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-10	12/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	326.55	NA	NA	NA
S-10	09/13/1994	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.84	312.71	NA
S-10	06/21/1995	NA	NA	NA	NA	NA	NA	NA	NA	326.55	13.08	313.47	NA
S-10	06/12/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	326.55	13.34	313.21	NA
S-10	06/25/1997	<50	NA	<0.50	<0.50	<0.50	<0.50	2.8	NA	326.55	13.28	313.27	2.4
S-10	06/19/1998	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	326.55	12.41	314.14	1.8
S-10	06/17/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	326.55	12.81	313.74	2.0
S-10	06/15/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	326.55	13.27	313.28	2.1
S-10	11/29/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	326.55	13.98	312.57	2.4
S-10	03/07/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	326.55	13.40	313.15	2.5
S-10	06/18/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	3.7	326.55	13.29	313.26	NA
S-10	09/17/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	13.61	312.94	NA
S-10	12/31/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	13.48	313.07	NA
S-10	03/13/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	14.66	311.89	NA
S-10	06/18/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	326.55	14.59	311.96	NA
S-10	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	325.87	13.21	312.66	NA
S-10	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	325.87	13.50	312.37	NA
S-10	**03/24/2003**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<5.0**	**325.87**	**16.60**	**309.27**	**NA**
S-11	09/23/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.93	NA	NA
S-11	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	16.95	NA	NA
S-11	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	327.48	16.40	311.08	NA
S-11	**03/24/2003**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<5.0**	**327.48**	**17.25**	**310.23**	**NA**
S-12	09/23/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.74	NA	NA
S-12	09/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	17.95	NA	NA
S-12	12/27/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	322.76	16.92	305.84	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
S-12	**03/24/2003**	**<50**	**NA**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**<5.0**	**322.76**	**16.53**	**306.23**	**NA**
SR-1	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.34	313.44	NA
SR-1	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.78	16.72	313.06	NA
SR-1	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	329.78	15.31	314.47	NA
SR-1	03/11/2002 d	NA	NA	NA	NA	NA	NA	NA	NA	329.13	NA	NA	NA
SR-2	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.39	313.96	NA
SR-2	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	328.35	14.48	313.87	NA
SR-2	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	328.35	13.62	314.73	NA
SR-2	09/27/2002	<1,000	NA	<10	<10	<10	<10	NA	5,000	327.91	14.20	313.71	NA
SR-2	12/27/2002	<1,000	NA	<10	<10	<10	<10	NA	4,800	327.91	13.33	314.58	NA
SR-2	**03/24/2003**	**<5,000**	**NA**	**<50**	**<50**	**<50**	**<100**	**NA**	**10,000**	**327.91**	**13.75**	**314.16**	**NA**
SR-3	03/04/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.66	314.45	NA
SR-3	06/16/1994	NA	NA	NA	NA	NA	NA	NA	NA	329.11	14.96	314.15	NA
SR-3	12/31/2001	NA	NA	NA	NA	NA	NA	NA	NA	329.11	13.60	315.51	NA
SR-3	09/27/2002	<2,500	NA	<25	<25	<25	<25	NA	11,000	328.65	14.75	313.90	NA
SR-3	12/27/2002	<2,000	NA	<20	<20	<20	<20	NA	5,100	328.65	13.65	315.00	NA
SR-3	**03/24/2003**	**<2,500**	**NA**	**<25**	**<25**	**<25**	**<50**	**NA**	**3,700**	**328.65**	**13.52**	**315.13**	**NA**
T-1	06/18/2002	<5,000	NA	<50	<50	<50	<50	NA	20,000	NA	12.31	NA	NA
T-2	09/17/2001	<5,000	NA	<25	<25	<25	<25	NA	29,000	NA	11.48	NA	NA
T-2	12/31/2001	<5,000	NA	<50	<50	<50	<50	NA	31,000	NA	4.96	NA	NA
T-2	03/13/2002	<5,000	NA	<50	<50	<50	<50	NA	48,000	NA	9.76	NA	NA
T-2	06/18/2002	<20,000	NA	<200	<200	<200	<200	NA	100,000	NA	12.58	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)
T-2	09/27/2002	240	NA	0.55	2.8	1.8	2.6	NA	39	NA	8.15	NA	NA
T-2	12/27/2002	2,100	NA	7.8	17	<0.50	11	NA	790	NA	6.75	NA	NA
T-2	**03/24/2003**	**550**	**NA**	**<2.5**	**<2.5**	**<2.5**	**<5.0**	**NA**	**310**	**NA**	**11.68**	**NA**	**NA**
T-3	06/18/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	Dry	NA	NA
T-4	06/18/2002	<10,000	NA	<100	<100	<100	<200	NA	97,000	NA	13.50	NA	NA
T-4	12/27/2002	550	NA	5.3	16	0.60	39	NA	140	NA	7.65	NA	NA
T-4	**03/24/2003**	**1,400**	**NA**	**<0.50**	**1.0**	**1.2**	**3.6**	**NA**	**15**	**NA**	**12.88**	**NA**	**NA**

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA Method 8015.
BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 18, 2001, analyzed by EPA Method 8020.
MTBE = Methyl-tertiary-butyl ether
TOB = Top of Wellbox Elevation
TOC = Top of Casing Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
DO = Dissolved Oxygen
ppm = Parts per million
ug/L = Parts per billion
MSL = Mean sea level
ft = Feet
<n = Below detection limit
D = Duplicate sample

WELL CONCENTRATIONS
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	DO Reading (ppm)

Notes:

a = Compounds detected within the chromatographic range of gasoline but not characteristic of the standard gasoline pattern

b = This sample was analyzed outside of the EPA recommended holding time.

c = Samples for wells S-6 and S-7 may have been switched.

d = Survey date only.

Well T-2 is a backfill well.

Beginning September 23, 2002, depth to water referenced to Top of Casing.

All wells except S-11, S-12, and T-1 through T-4 surveyed March 11, 2002, by Virgil Chavez Land Surveying of Vallejo, California.

Survey data for wells S-11 and S-12 provided by Cambria Environmental Technology, Inc.

SEVERN TRENT STL

Submission#: 2003-03-0530

Blaine Tech Services, Inc.

April 17, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105

Attn.: Leon Gearhart

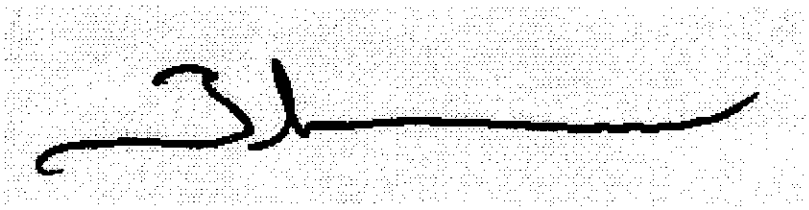
Project#: 030324-DAI
Project: 98995842
Site: 3790 Hopyard Rd.,
Pleasanton

Dear Mr.Gearhart,

Attached is our report for your samples received on 03/24/2003 17:10
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 05/08/2003 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 #: 2003-03-0530

Fuel Oxygenates by 8260B

Blaine Tech Services, Inc.
Attn.: Leon Gearhart

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

Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
S-8	03/24/2003 08:09	Water	1
S-7	03/24/2003 10:22	Water	2
S-2	03/24/2003 12:00	Water	3
S-3	03/24/2003 08:24	Water	4
S-4	03/24/2003 12:49	Water	5
S-5	03/24/2003 08:45	Water	6
S-6	03/24/2003 10:42	Water	7
S-9	03/24/2003 07:46	Water	8
S-10	03/24/2003 09:59	Water	9
S-11	03/24/2003 09:42	Water	10
S-12	03/24/2003 09:06	Water	11
T-2	03/24/2003 13:05	Water	12
T-4	03/24/2003 12:56	Water	13
SR-2	03/24/2003 11:45	Water	14
SR-3	03/24/2003 12:29	Water	15

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-8	Lab ID:	2003-03-0530 - 1
Sampled:	03/24/2003 08:09	Extracted:	4/7/2003 13:28
Matrix:	Water	QC Batch#:	2003/04/07-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/07/2003 13:28	
Methyl tert-butyl ether (MTBE)	25	5.0	ug/L	1.00	04/07/2003 13:28	
Benzene	ND	0.50	ug/L	1.00	04/07/2003 13:28	
Toluene	ND	0.50	ug/L	1.00	04/07/2003 13:28	
Ethylbenzene	ND	0.50	ug/L	1.00	04/07/2003 13:28	
Total xylenes	ND	1.0	ug/L	1.00	04/07/2003 13:28	
Surrogates(s)						
1,2-Dichloroethane-d4	98.3	76-114	%	1.00	04/07/2003 13:28	
Toluene-d8	99.6	88-110	%	1.00	04/07/2003 13:28	

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-7	Lab ID:	2003-03-0530 - 2
Sampled:	03/24/2003 10:22	Extracted:	4/4/2003 21:31
Matrix:	Water	QC Batch#:	2003/04/04-V3.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/04/2003 21:31	
Methyl tert-butyl ether (MTBE)	21	5.0	ug/L	1.00	04/04/2003 21:31	
Benzene	ND	0.50	ug/L	1.00	04/04/2003 21:31	
Toluene	ND	0.50	ug/L	1.00	04/04/2003 21:31	
Ethylbenzene	ND	0.50	ug/L	1.00	04/04/2003 21:31	
Total xylenes	ND	1.0	ug/L	1.00	04/04/2003 21:31	
Surrogates(s)						
1,2-Dichloroethane-d4	95.1	76-114	%	1.00	04/04/2003 21:31	
Toluene-d8	102.5	88-110	%	1.00	04/04/2003 21:31	

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s): 5030B
Test(s): 8260B
Sample ID: S-2
Lab ID: 2003-03-0530 - 3
Sampled: 03/24/2003 12:00
Extracted: 4/4/2003 21:54
Matrix: Water
QC Batch#: 2003/04/04-V3.39
Analysis Flag: Im (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	04/04/2003 21:54	
Methyl tert-butyl ether (MTBE)	1300	250	ug/L	50.00	04/04/2003 21:54	
Benzene	28	25	ug/L	50.00	04/04/2003 21:54	
Toluene	ND	25	ug/L	50.00	04/04/2003 21:54	
Ethylbenzene	ND	25	ug/L	50.00	04/04/2003 21:54	
Total xylenes	ND	50	ug/L	50.00	04/04/2003 21:54	
Surrogates(s)						
1,2-Dichloroethane-d4	87.0	76-114	%	1.00	04/04/2003 21:54	
Toluene-d8	105.0	88-110	%	1.00	04/04/2003 21:54	

Fuel Oxygenates by 8260B

Blaine Tech Services, Inc.

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-3	Lab ID:	2003-03-0530 - 4
Sampled:	03/24/2003 08:24	Extracted:	4/4/2003 22:16
Matrix:	Water	QC Batch#:	2003/04/04-V3.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/04/2003 22:16	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	04/04/2003 22:16	
Benzene	ND	0.50	ug/L	1.00	04/04/2003 22:16	
Toluene	ND	0.50	ug/L	1.00	04/04/2003 22:16	
Ethylbenzene	ND	0.50	ug/L	1.00	04/04/2003 22:16	
Total xylenes	ND	1.0	ug/L	1.00	04/04/2003 22:16	
Surrogates(s)						
1,2-Dichloroethane-d4	86.3	76-114	%	1.00	04/04/2003 22:16	
Toluene-d8	103.8	88-110	%	1.00	04/04/2003 22:16	

Fuel Oxygenates by 8260B

Blaine Tech Services, Inc.

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

Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

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

Sample ID: S-4
Lab ID: 2003-03-0530 - 5

Sampled: 03/24/2003 12:49
Extracted: 4/4/2003 22:39

Matrix: Water
QC Batch#: 2003/04/04-V3.39

Analysis Flag: Im (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	04/04/2003 22:39	
Methyl tert-butyl ether (MTBE)	780	250	ug/L	50.00	04/04/2003 22:39	
Benzene	ND	25	ug/L	50.00	04/04/2003 22:39	
Toluene	ND	25	ug/L	50.00	04/04/2003 22:39	
Ethylbenzene	ND	25	ug/L	50.00	04/04/2003 22:39	
Total xylenes	ND	50	ug/L	50.00	04/04/2003 22:39	
Surrogates(s)						
1,2-Dichloroethane-d4	89.3	76-114	%	1.00	04/04/2003 22:39	
Toluene-d8	100.5	88-110	%	1.00	04/04/2003 22:39	

Fuel Oxygenates by 8260B

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

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

Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**S-5**	Lab ID:	2003-03-0530 - 6
Sampled:	03/24/2003 08:45	Extracted:	4/6/2003 21:57
Matrix:	Water	QC Batch#:	2003/04/06-01.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	04/06/2003 21:57	
Methyl tert-butyl ether (MTBE)	220	25	ug/L	5.00	04/06/2003 21:57	
Benzene	2.5	2.5	ug/L	5.00	04/06/2003 21:57	
Toluene	ND	2.5	ug/L	5.00	04/06/2003 21:57	
Ethylbenzene	ND	2.5	ug/L	5.00	04/06/2003 21:57	
Total xylenes	ND	5.0	ug/L	5.00	04/06/2003 21:57	
Surrogates(s)						
1,2-Dichloroethane-d4	93.6	76-114	%	5.00	04/06/2003 21:57	
Toluene-d8	98.6	88-110	%	5.00	04/06/2003 21:57	

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s): 5030B
Test(s): 8260B
Sample ID: S-6
Lab ID: 2003-03-0530 - 7
Sampled: 03/24/2003 10:42
Extracted: 4/6/2003 22:19
Matrix: Water
QC Batch#: 2003/04/06-01.62
Analysis Flag: Irn (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	5000	ug/L	100.00	04/06/2003 22:19	
Methyl tert-butyl ether (MTBE)	ND	500	ug/L	100.00	04/06/2003 22:19	
Benzene	ND	50	ug/L	100.00	04/06/2003 22:19	
Toluene	ND	50	ug/L	100.00	04/06/2003 22:19	
Ethylbenzene	ND	50	ug/L	100.00	04/06/2003 22:19	
Total xylenes	ND	100	ug/L	100.00	04/06/2003 22:19	
Surrogates(s)						
1,2-Dichloroethane-d4	103.0	76-114	%	100.00	04/06/2003 22:19	
Toluene-d8	97.6	88-110	%	100.00	04/06/2003 22:19	

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s): 5030B
Sample ID: **S-9**
Sampled: 03/24/2003 07:46
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260B
Lab ID: 2003-03-0530 - 8
Extracted: 4/6/2003 22:41
QC Batch#: 2003/04/06-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	250	ug/L	5.00	04/06/2003 22:41	
Methyl tert-butyl ether (MTBE)	230	25	ug/L	5.00	04/06/2003 22:41	
Benzene	ND	2.5	ug/L	5.00	04/06/2003 22:41	
Toluene	ND	2.5	ug/L	5.00	04/06/2003 22:41	
Ethylbenzene	ND	2.5	ug/L	5.00	04/06/2003 22:41	
Total xylenes	ND	5.0	ug/L	5.00	04/06/2003 22:41	
Surrogates(s)						
1,2-Dichloroethane-d4	101.0	76-114	%	5.00	04/06/2003 22:41	
Toluene-d8	96.2	88-110	%	5.00	04/06/2003 22:41	

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**S-10**	Lab ID:	2003-03-0530 - 9
Sampled:	03/24/2003 09:59	Extracted:	4/5/2003 00:55
Matrix:	Water	QC Batch#:	2003/04/04-V3.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/05/2003 00:55	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	04/05/2003 00:55	
Benzene	ND	0.50	ug/L	1.00	04/05/2003 00:55	
Toluene	ND	0.50	ug/L	1.00	04/05/2003 00:55	
Ethylbenzene	ND	0.50	ug/L	1.00	04/05/2003 00:55	
Total xylenes	ND	1.0	ug/L	1.00	04/05/2003 00:55	
Surrogates(s)						
1,2-Dichloroethane-d4	98.9	76-114	%	1.00	04/05/2003 00:55	
Toluene-d8	103.2	88-110	%	1.00	04/05/2003 00:55	

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-11	Lab ID:	2003-03-0530 - 10
Sampled:	03/24/2003 09:42	Extracted:	4/5/2003 01:18
Matrix:	Water	QC Batch#:	2003/04/04-V3.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/05/2003 01:18	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	04/05/2003 01:18	
Benzene	ND	0.50	ug/L	1.00	04/05/2003 01:18	
Toluene	ND	0.50	ug/L	1.00	04/05/2003 01:18	
Ethylbenzene	ND	0.50	ug/L	1.00	04/05/2003 01:18	
Total xylenes	ND	1.0	ug/L	1.00	04/05/2003 01:18	
Surrogates(s)						
1,2-Dichloroethane-d4	100.1	76-114	%	1.00	04/05/2003 01:18	
Toluene-d8	102.5	88-110	%	1.00	04/05/2003 01:18	

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	S-12	Lab ID:	2003-03-0530 - 11
Sampled:	03/24/2003 09:06	Extracted:	4/5/2003 01:41
Matrix:	Water	QC Batch#:	2003/04/04-V3.39

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/05/2003 01:41	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	04/05/2003 01:41	
Benzene	ND	0.50	ug/L	1.00	04/05/2003 01:41	
Toluene	ND	0.50	ug/L	1.00	04/05/2003 01:41	
Ethylbenzene	ND	0.50	ug/L	1.00	04/05/2003 01:41	
Total xylenes	ND	1.0	ug/L	1.00	04/05/2003 01:41	
Surrogates(s)						
1,2-Dichloroethane-d4	102.4	76-114	%	1.00	04/05/2003 01:41	
Toluene-d8	108.2	88-110	%	1.00	04/05/2003 01:41	

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s): 5030B
Sample ID: T-2
Sampled: 03/24/2003 13:05
Matrix: Water
Analysis Flag: o (See Legend and Note Section)

Test(s): 8260B
Lab ID: 2003-03-0530 - 12
Extracted: 4/6/2003 23:03
QC Batch#: 2003/04/06-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	550	250	ug/L	5.00	04/06/2003 23:03	g
Methyl tert-butyl ether (MTBE)	310	25	ug/L	5.00	04/06/2003 23:03	
Benzene	ND	2.5	ug/L	5.00	04/06/2003 23:03	
Toluene	ND	2.5	ug/L	5.00	04/06/2003 23:03	
Ethylbenzene	ND	2.5	ug/L	5.00	04/06/2003 23:03	
Total xylenes	ND	5.0	ug/L	5.00	04/06/2003 23:03	
Surrogates(s)						
1,2-Dichloroethane-d4	103.7	76-114	%	5.00	04/06/2003 23:03	
Toluene-d8	99.4	88-110	%	5.00	04/06/2003 23:03	

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	T-4	Lab ID:	2003-03-0530 - 13
Sampled:	03/24/2003 12:56	Extracted:	4/6/2003 23:25
Matrix:	Water	QC Batch#:	2003/04/06-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1400	50	ug/L	1.00	04/06/2003 23:25	
Methyl tert-butyl ether (MTBE)	15	5.0	ug/L	1.00	04/06/2003 23:25	
Benzene	ND	0.50	ug/L	1.00	04/06/2003 23:25	
Toluene	1.0	0.50	ug/L	1.00	04/06/2003 23:25	
Ethylbenzene	1.2	0.50	ug/L	1.00	04/06/2003 23:25	
Total xylenes	3.6	1.0	ug/L	1.00	04/06/2003 23:25	
Surrogates(s)						
1,2-Dichloroethane-d4	96.1	76-114	%	1.00	04/06/2003 23:25	
Toluene-d8	90.8	88-110	%	1.00	04/06/2003 23:25	

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Project: 030324-DAI
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Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SR-2	Lab ID:	2003-03-0530 - 14
Sampled:	03/24/2003 11:45	Extracted:	4/7/2003 13:50
Matrix:	Water	QC Batch#:	2003/04/07-01.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	5000	ug/L	100.00	04/07/2003 13:50	
Methyl tert-butyl ether (MTBE)	10000	500	ug/L	100.00	04/07/2003 13:50	
Benzene	ND	50	ug/L	100.00	04/07/2003 13:50	
Toluene	ND	50	ug/L	100.00	04/07/2003 13:50	
Ethylbenzene	ND	50	ug/L	100.00	04/07/2003 13:50	
Total xylenes	ND	100	ug/L	100.00	04/07/2003 13:50	
Surrogates(s)						
1,2-Dichloroethane-d4	101.5	76-114	%	100.00	04/07/2003 13:50	
Toluene-d8	97.2	88-110	%	100.00	04/07/2003 13:50	

Fuel Oxygenates by 8260B

Blaine Tech Services, Inc.

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Prep(s):	5030B	Test(s):	8260B
Sample ID:	SR-3	Lab ID:	2003-03-0530 - 15
Sampled:	03/24/2003 12:29	Extracted:	4/7/2003 14:12
Matrix:	Water	QC Batch#:	2003/04/07-01.62

Analysis Flag: o (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	2500	ug/L	50.00	04/07/2003 14:12	
Methyl tert-butyl ether (MTBE)	3700	250	ug/L	50.00	04/07/2003 14:12	
Benzene	ND	25	ug/L	50.00	04/07/2003 14:12	
Toluene	ND	25	ug/L	50.00	04/07/2003 14:12	
Ethylbenzene	ND	25	ug/L	50.00	04/07/2003 14:12	
Total xylenes	ND	50	ug/L	50.00	04/07/2003 14:12	
Surrogates(s)						
1,2-Dichloroethane-d4	98.5	76-114	%	50.00	04/07/2003 14:12	
Toluene-d8	97.5	88-110	%	50.00	04/07/2003 14:12	

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — Water — **QC Batch # 2003/04/04-V3.39**

MB: 2003/04/04-V3.39-022 — Date Extracted: 04/04/2003 17:03

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/04/2003 17:03	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/04/2003 17:03	
Benzene	ND	0.5	ug/L	04/04/2003 17:03	
Toluene	ND	0.5	ug/L	04/04/2003 17:03	
Ethylbenzene	ND	0.5	ug/L	04/04/2003 17:03	
Total xylenes	ND	1.0	ug/L	04/04/2003 17:03	
Surrogates(s)					
1,2-Dichloroethane-d4	88.0	76-114	%	04/04/2003 17:03	
Toluene-d8	95.0	88-110	%	04/04/2003 17:03	

Fuel Oxygenates by 8260B

Blaine Tech Services, Inc.

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2003/04/06-01.62**

MB: 2003/04/06-01.62-012 — Date Extracted: 04/06/2003 12:12

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/06/2003 12:12	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/06/2003 12:12	
Benzene	ND	0.5	ug/L	04/06/2003 12:12	
Toluene	ND	0.5	ug/L	04/06/2003 12:12	
Ethylbenzene	ND	0.5	ug/L	04/06/2003 12:12	
Total xylenes	ND	1.0	ug/L	04/06/2003 12:12	
Surrogates(s)					
1,2-Dichloroethane-d4	104.0	76-114	%	04/06/2003 12:12	
Toluene-d8	96.1	88-110	%	04/06/2003 12:12	

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2003/04/07-01.62**

MB: 2003/04/07-01.62-016 — Date Extracted: 04/07/2003 11:16

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/07/2003 11:16	
Gasoline	ND	50	ug/L	04/07/2003 11:16	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/07/2003 11:16	
Benzene	ND	0.5	ug/L	04/07/2003 11:16	
Toluene	ND	0.5	ug/L	04/07/2003 11:16	
Ethylbenzene	ND	0.5	ug/L	04/07/2003 11:16	
Total xylenes	ND	1.0	ug/L	04/07/2003 11:16	
Surrogates(s)					
1,2-Dichloroethane-d4	98.9	76-114	%	04/07/2003 11:16	
Toluene-d8	94.8	88-110	%	04/07/2003 11:16	

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Laboratory Control Spike — **Water** — **QC Batch # 2003/04/04-V3.39**

LCS 2003/04/04-V3.39-019 — Extracted: 04/04/2003 — Analyzed: 04/04/2003 16:07

LCSD 2003/04/04-V3.39-020 — Extracted: 04/04/2003 — Analyzed: 04/04/2003 16:40

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	23.4	21.9	25	93.6	87.6	6.6	69-129	20		
Toluene	18.9	18.5	25	75.6	74.0	2.1	70-130	20		
Methyl tert-butyl ether (MTBE)	22.8	20.9	25	91.2	83.6	8.7	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	433	391	500	86.6	78.2		76-114			
Toluene-d8	493	481	500	98.6	96.2		88-110			

Fuel Oxygenates by 8260B

Blaine Tech Services, Inc.

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2003/04/06-01.62**

LCS 2003/04/06-01.62-051 Extracted: 04/06/2003 Analyzed: 04/06/2003 11:28

LCSD 2003/04/06-01.62-050 Extracted: 04/06/2003 Analyzed: 04/06/2003 11:50

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.7	22.8	25.0	102.8	91.2	12.0	65-165	20		
Benzene	20.1	22.2	25.0	80.4	88.8	9.9	69-129	20		
Toluene	21.9	22.5	25.0	87.6	90.0	2.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	526	495	500	105.2	99.0		76-114	0		
Toluene-d8	477	497	500	95.4	99.4		88-110	0		

Fuel Oxygenates by 8260B

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike | **Water** | **QC Batch # 2003/04/07-01.62**

LCS 2003/04/07-01.62-032 Extracted: 04/07/2003 Analyzed: 04/07/2003 10:32

LCSD 2003/04/07-01.62-054 Extracted: 04/07/2003 Analyzed: 04/07/2003 10:54

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	32.1	29.5	25.0	128.4	118.0	8.4	65-165	20		
Benzene	24.0	26.9	25.0	96.0	107.6	11.4	69-129	20		
Toluene	24.1	27.8	25.0	96.4	111.2	14.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	512	475	500	102.4	95.0		76-114			
Toluene-d8	463	492	500	92.6	98.4		88-110			

Fuel Oxygenates by 8260B

Blaine Tech Services, Inc.

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Project: 030324-DAI
98995842

Received: 03/24/2003 17:10

Site: 3790 Hopyard Rd.,
Pleasanton

Legend and Notes

Analysis Flag

lrn

Reporting limits raised due to high level of non-target analyte materials.

o

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

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

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

Shell Project Manager to be Invoiced: Karen Petryna

- [ ] SCIENCE & ENGINEERING
- [ ] TECHNICAL SERVICES
- [ ] CRMT HOUSTON

INCIDENT NUMBER (S&E ONLY): 9 8 9 9 5 8 4 2

SAP or CRMT NUMBER (TS/CRMT): [redacted]

DATE: 3/24/03

PAGE: 1 of 2

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS (Street and City): 3790 Hopyard Rd., Pleasanton	GLOBAL ID NO.: T0600101257
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml	PHONE NO.: (510) 420-3335
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart		E-MAIL: ShellOaklandEDF@cambria-env.com	CONSULTANT PROJECT NO.: 030324-DA1
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com	SAMPLER NAME(S) (Print): David Allbut

TURNAROUND TIME (BUSINESS DAYS):
- [x] 10 DAYS
- [ ] 5 DAYS
- [ ] 72 HOURS
- [ ] 48 HOURS
- [ ] 24 HOURS
- [ ] LESS THAN 24 HOURS

- [ ] LA - RWQCB REPORT FORMAT
- [ ] UST AGENCY: ____

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

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

2003-03-0530

REQUESTED ANALYSIS

TEMPERATURE ON RECEIPT °C: 4.2

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	EDB & 1,2 DCA (8260B)											FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
1	S-8	3/24/03	809	W	3	X	X	X																Non-preserved voas
2	S-7		1022			X	X	X																"
3	S-2		1200			X	X	X																
4	S-3		824			X	X	X																
5	S-4		1249			X	X	X																
6	S-5		845			X	X	X																
7	S-6		1042			X	X	X																
8	S-9		746			X	X	X																
9	S-10		929			X	X	X																
10	S-11	↓	942	↓	↓	X	X	X																

Relinquished by: (Signature) David Allbut	Received by: (Signature) [signature]	Date: 3/24/03	Time: 1550
Relinquished by: (Signature) [signature] 1710 3/24/03	Received by: (Signature) Neuse Harrington / STL-SF	Date: 3/24/03	Time: 1710
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/16/00 Revision

SHELL Chain Of Custody Record

32870

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

Shell Project Manager to be Invoiced:		INCIDENT NUMBER (ES ONLY)	DATE: 3/24/03
☐ SCIENCE & ENGINEERING	Karen Petryna	9 8 9 9 5 8 4 2	PAGE: 2 of 2
☐ TECHNICAL SERVICES		SAP or CRMT NUMBER (TS/CRMT)	
☐ CRMT HOUSTON		[redacted]	

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS (Street and City): 3790 Hopyard Rd., Pleasanton	GLOBAL ID NO.: T0600101257
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		EDF DELIVERABLE TO (Responsible Party or Designee): Anni Kreml	PHONE NO.: (510) 420-3335
PROJECT CONTACT (Hardcopy or PDF Report to): Leon Gearhart		E-MAIL: ShellOaklandEDF@cambria-env.com	CONSULTANT PROJECT NO.: 030324-DA1
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: lgearhart@blainetech.com	SAMPLER NAME(S) (Print): David Allbut

2003-03-0530

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ______

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

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

REQUESTED ANALYSIS

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

TEMPERATURE ON RECEIPT C°: 4.2

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	EDB & 1,2-DCA (8260B)
11	S-12	3/24/03	1116	W	3	X	X	X					
12	T-2	↓	1305	↓	↓	X	X	X					
13	T-4	↓	1256	↓	↓	X	X	X					
14	SR-2	↓	1145	↓	↓	X	X	X					
15	SR-3	↓	1224	↓	↓	X	X	X					

Relinquished by: (Signature) David Allbut 1550	Received by: (Signature) [signature]	Date: 3/24/03	Time: 1550
Relinquished by: (Signature) [signature] 3/24/03	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

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

10/16/00 Revision

STL

STL San Francisco

Sample Receipt Checklist

Submission #:2003- 03 - 0530

Checklist completed by: (initials) CR Date: 03 25 /03

Courier name: ☒ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes____ No____	Not Present ✓
Chain of custody present?	Yes ✓	No____
Chain of custody signed when relinquished and received?	Yes ✓	No____
Chain of custody agrees with sample labels?	Yes ✓	No____
Samples in proper container/bottle?	Yes ✓	No____
Sample containers intact?	Yes ✓	No____
Sufficient sample volume for indicated test?	Yes ✓	No____
All samples received within holding time?	Yes ✓	No____
Container/Temp Blank temperature in compliance (4^0 C ± 2)?	Temp: 4.2 °C Yes ✓	No____
Water - VOA vials have zero headspace?	No VOA vials submitted____ Yes ✓	No____

(if bubble is present, refer to approximate bubble size and itemize in comments as S (small ~O), M (medium ~ O) or L (large ~ O)

Water - pH acceptable upon receipt? ☒ Yes ☐ No

☐ pH adjusted- Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments:

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ____/____/03

Client contacted: ☐ Yes ☐ No

Summary of discussion:

Corrective Action (per PM/Client):

WELL GAUGING DATA

Project # 030324-DA1 Date 3/24/03 Client Shell

Site 3790 Hopyard Rd. Pleasanton, CA

	Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
	S-2	3					14.86	35.18	TOC	-
	S-3	3					12.71	35.50		
*	S-4	3					14.56	35.85		-
	S-5	3					16.70	35.85		
	S-6	3					14.37	34.70		-
	S-7	3					17.12	35.20		
	S-8	3					14.58	34.35		
	S-9	3					17.97	35.25		
	S-10	3					16.60	34.30		
	S-11	2					17.25	25.06 ~~24.85~~		
	S-12	2					16.53	24.85		
*	T-2	6					11.68	13.15		
*	T-4	4					12.88	14.43		
	SR-2	4		~~System not running~~			13.75	34.65		EXT
	SR-3	4					13.52	34.75	↓	EXT
*	Gauged w/ stinger in well									

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-2	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 35.18	Depth to Water (DTW): 14.86
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.92	

Purge Method: Bailer; Disposable Bailer; Middleburg; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

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

7.5 (Gals.) X 3 = 22.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1152	66.0	6.7	2123	98	7.5	Slightly cloudy
1154	68.1	6.5	2192	108	15	"
1156	68.7	6.7	2321	7200	22.5	grey, turbid, slight odor

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 3/24/03 Sampling Time: 1200 Depth to Water: 18.92

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-3	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 35.50	Depth to Water (DTW): 12.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (TOC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.27	

Purge Method: Bailer, Disposable Bailer, Middleburg, X Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other____

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

8.4 (Gals.) X 3 = 25.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
816	63.7	6.7	4108	166	8.5	cloudy
818	65.2	6.6	3912	149	17	"
820	66.0	6.7	4115	7200	25.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 25.5

Sampling Date: 3/24/03 Sampling Time: 0824 Depth to Water: 17.27

Sample I.D.: S-3 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 35.85	Depth to Water (DTW): 14.56
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.82	

Purge Method: Bailer; Disposable Bailer; Middleburg; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

7.9 (Gals.) X 3 = 23.7 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1104	68.6	7.0	1890	>200	8	cloudy, grey, no odor
1106	68.6	6.8	1827	>200	16	"
1108	68.0	6.8	1956	>200	24	" DTW = 32.70

Did well dewater? Yes (No) Gallons actually evacuated: 24

Sampling Date: 3/24/03 Sampling Time: 1249 Depth to Water: 14.67

Sample I.D.: S-4 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-5	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 35.85	Depth to Water (DTW): 16.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 20.53	

Purge Method: Bailer, Disposable Bailer, Middleburg, X Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

7.1 (Gals.) X 3 = 21.3 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0832	63.9	6.8	2949	7200	7.5	tan, cloudy
0834	64.8	6.7	2436	7200	15	"
0835	64.9	6.7	2286	71	21.5	clearing

Did well dewater? Yes (No) Gallons actually evacuated: 21.5

Sampling Date: 3/24/03 Sampling Time: 0845 Depth to Water: 20.53

Sample I.D.: S-5 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DF	Date: 3/24/03
Well I.D.: S-6	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 34.70	Depth to Water (DTW): 14.36
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.43	

Purge Method: Bailer, Disposable Bailer, Middleburg, X Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

7.5 (Gals.) X 3 = 22.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1035	68.6	7.9	1838	7200	7.5	cloudy
1037	68.7	7.7	1796	>200	15	"
1039	69.5	7.2	1792	7200	22.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 22.5

Sampling Date: 3/24/03 Sampling Time: 1042 Depth to Water: 26.19 traffic

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-7	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 35.20	Depth to Water (DTW): 17.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.74	

Purge Method: Bailer; Disposable Bailer; Middleburg; ✓Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

4.4 (Gals.) X 3 = 13.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1016	67.5	6.7	2185	7200	4.5	cloudy
1017	68.3	6.7	2129	7200	9	"
1018	68.3	6.7	2044	7200	13.5	"
	Reaction; used NP VOAs					

Did well dewater? Yes (No) Gallons actually evacuated: 13.5

Sampling Date: 3/24/03 Sampling Time: 1022 Depth to Water: 23.67 traffic

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-8	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 34.35	Depth to Water (DTW): 14.58
Depth to Free Product: ~~34.35~~	Thickness of Free Product (feet): ~~14.58~~
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.53	

Purge Method: Bailer, Disposable Bailer, Middleburg, X Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

7.3 (Gals.) X 3 = 21.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0759	61.6	6.6	3664	7200	7.5	cloudy
0801	63.9	6.5	3853	7200	15	"
0802	64.5	6.6	3999	7200	22	"
	Reaction in Voas; used NP					

Did well dewater? Yes (No) Gallons actually evacuated: 22

Sampling Date: 3/24/03 Sampling Time: 0809 Depth to Water: 18.53

Sample I.D.: S-8 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-9	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 35.25	Depth to Water (DTW): 17.97
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.43	

Purge Method: Bailer; Disposable Bailer; Middleburg; ✓Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

6.4 (Gals.) X	3	= 19.2 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0734	60.6	5.6	3222	193	6.5	cloudy
0738	59.5	6.4	3150	68	13	clearing
0740	59.6	6.6	3169	57	19.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 19.5

Sampling Date: 3/24/03 Sampling Time: 0746 Depth to Water: 21.43

Sample I.D.: S-9 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-10	Well Diameter: 2 ③ 4 6 8 ___
Total Well Depth (TD): 34.30	Depth to Water (DTW): 16.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 20.14	

Purge Method: Bailer, Disposable Bailer, Middleburg, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other_____

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

6.5 (Gals.) X 3 = 19.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
952	65.6	8.4	2204	7200	6.5	grey, turbid
953	65.7	8.4	1490	7200	13	"
955	65.9	8.0	1362	7200	19.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 19.5

Sampling Date: 3/24/03 Sampling Time: 959 Depth to Water: 23.36 traffic

Sample I.D.: S-10 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 25.06	Depth to Water (DTW): 17.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.81	

Purge Method: X Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
934	65.7	7.7	3254	7200	1.5	tan, turbid
936	66.4	7.9	3521	7200	3	"
938	66.7	8.0	3784	7200	4	"

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Date: 3/24/03 Sampling Time: 942 Depth to Water: 21.92 traffic

Sample I.D.: S-11 Laboratory: Kiff SPL Other SJL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: S-12	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 24.85	Depth to Water (DTW): 16.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.19	

Purge Method: X Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

Sampling Method: X Bailer / Disposable Bailer / Extraction Port / Dedicated Tubing / Other: ____

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
856	64.8	7.8	3137	7200	1.5	tan, turbid
858	66.0	7.6	3147	7200	3	"
900	66.3	7.6	3152	7200	4	"

Did well dewater? Yes (No) Gallons actually evacuated: 4

Sampling Date: 3/24/03 Sampling Time: 906 Depth to Water: 18.19

Sample I.D.: S-12 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: T-2	Well Diameter: 2 3 4 (6) 8 ____
Total Well Depth (TD): 13.15	Depth to Water (DTW): 11.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.97	

Purge Method: X Bailer; Disposable Bailer; Middleburg; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

2.2 (Gals.) X 3 = 6.6 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1241	66.2	8.1	1219	68	2.5	clear, odor
1241	well	dewatered @ 2.5 g.		DTW = 12.01		
~~1300~~ 1505	67.6	6.4	849	61	~~0~~	"

Did well dewater? (Yes) No Gallons actually evacuated: 2.5

Sampling Date: 3/24/03 Sampling Time: 1305 Depth to Water: 11.68

Sample I.D.: T-2 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: T-4	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 14.43	Depth to Water (DTW): 12.88
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.19	

Purge Method: (X)Bailer / Disposable Bailer / Middleburg / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other_____

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

1.0 (Gals.) X	3	= 3.0 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1119	65.4	7.8	1304	7206	1.0	cloudy
1119	well	dewatered @	1g.	DTW =	13.21	"
1256	67.0	6.7	698	138	~~0~~	clear

Did well dewater? (Yes) No Gallons actually evacuated: 1.0

Sampling Date: 3/24/03 Sampling Time: 1256 Depth to Water: 12.87

Sample I.D.: T-4 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: SR-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.65	Depth to Water (DTW): 13.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.93	

Purge Method: Bailer, Disposable Bailer, Middleburg, X Electric Submersible, Waterra, Peristaltic, Extraction Pump, Other_____

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

13.6 (Gals.) X 3 = 40.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
System Not Running. Pulled pump to sample.						
1130	66.7	6.8	1527	7200	14	cloudy
1133	67.0	6.7	1576	7200	28	"
1135	67.1	6.7	1721	7200	41	"

Did well dewater? Yes (No) Gallons actually evacuated: 41

Sampling Date: 3/24/03 Sampling Time: 1145 Depth to Water: 16.92

Sample I.D.: SR-2 Laboratory: Kiff SPL Other STL

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030324-DA1	Site: 3790 Hopyard Rd. Pleasanton, CA
Sampler: DA	Date: 3/24/03
Well I.D.: SR-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 34.75	Depth to Water (DTW): 13.52
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 17.77	

Purge Method: Bailer; Disposable Bailer; Middleburg; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

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

13.8 (Gals.) X 3 = 41.4 Gals.
1 Case Volume; Specified Volumes; Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1211	68.2	6.6	2062	87	14	cloudy, slight odor
1213	69.4	6.5	2014	56	28	"
1216	69.8	6.5	2090	37	41.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 41.5

Sampling Date: 3/24/03 Sampling Time: 1224 Depth to Water: 17.23

Sample I.D.: SR-3 Laboratory: Kiff SPL Other STL

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