RO 303

Shell Oil Products US

Alameda County
NOV 15 2002
Environmental Health

November 11, 2002

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

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

Sincerely,

Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

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

CAMBRIA

November 12, 2002

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

Re: **Third Quarter 2002 Monitoring Report**
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident #98995842
Cambria Project #244-0497-002

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, 2, and 3).

REMEDIATION SUMMARY

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. 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. Figure 4 shows methyl tertiary butyl ether (MTBE) concentrations and mass removal estimates over time for well S-4. Figure 5 shows MTBE concentrations and mass removal estimates over time for well T-2.

Oakland, CA
San Ramon, CA
Sonoma, CA

Cambria Environmental Technology, Inc.

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

MTBE concentrations detected in well T-2 in September 2002 are four orders of magnitude lower than those detected in June 2002. To date, approximately 9.23 pounds of MTBE have been removed by GWE.

THIRD QUARTER 2002 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.

Site Upgrades: SB-989 upgrades to the fuel underground storage tanks, dispensers and piping system were completed at the site during late July and early August 2002.

Subsurface Investigation Status: As proposed in our June 12, 2002 *Subsurface Investigation Work Plan* and the addendum transmitted via electronic mail to Scott Seery of the Alameda County Health Care Services Agency (ACHCSA) on July 22, 2002, Cambria installed one onsite cone penetrometer testing (CPT) boring near well S-3 on July 26, 2002. Cambria also installed downgradient monitoring well S-11 within Hopyard Road east of the site on August 26, 2002, and downgradient monitoring well S-12 adjacent to the Arroyo Mocho Canal on September 19, 2002. One additional CPT boring proposed adjacent to the Arroyo Mocho Canal has not yet been completed. As noted below, preliminary results were submitted to the ACHCSA on October 16, 2002.

Interim Remediation Work Plan: On August 28, 2002, Cambria submitted an *Interim Remediation Work Plan* proposing the installation of a fixed GWE system at the site. Cambria began final system design and permitting of the system while awaiting ACHCSA approval of the work plan, which was granted in a September 9, 2002 ACHCSA letter. Figure 3 shows the layout of the proposed remediation system piping.

ANTICIPATED FOURTH QUARTER 2002 ACTIVITIES

Groundwater Monitoring: Blaine will gauge and sample all wells and tabulate the data. Cambria will prepare a monitoring report.

Subsurface Investigation: During a September 23, 2002 telephone conversation between Mr. Scott Seery of the ACHCSA and Jacquelyn Jones of Cambria, Mr. Seery requested a summary of initial investigation reports, and proposed a meeting between Shell, Cambria, the ACHCSA and the Alameda County Zone 7 Water Agency to determine further investigation recommendations. As requested, tabulated analytical results and soil boring logs for boring CPT-1 and wells S-11 and S-12 were submitted on October 16, 2002 as soon as initial groundwater results were received from new wells S-11 and S-12. In a November 11, 2002 correspondence, the ACHCSA requested that Shell move forward with offsite CPT boring installation and prepare cross-sectional diagrams for the site prior to setting up a meeting. The field work for CPT boring installation is currently scheduled for November 25, 2002.

Interim Remediation: Mobile GWE events will continue as described above. Final design and permitting of the proposed fixed GWE system is in progress.

CLOSING

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

Sincerely,
Cambria Environmental Technology, Inc

Jacquelyn L. Jones
Project Geologist

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

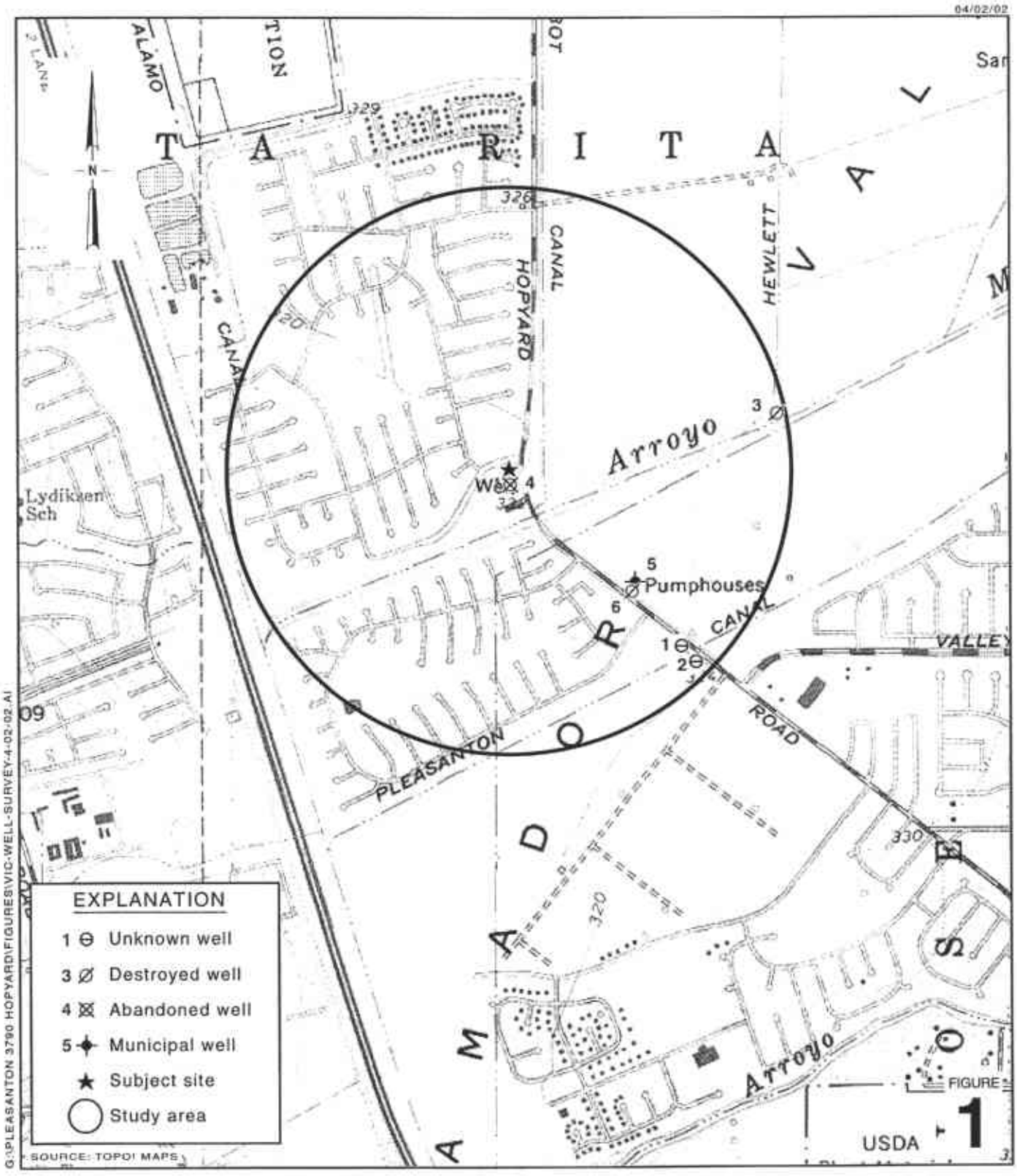
Figures: 1 - Vicinity/Area Well Survey Map
2 - Groundwater Elevation Contour Map
3 - Remediation System Site Plan
4 - MTBE and Mass Removal – Well S-4
5 - MTBE and Mass Removal – Well T-2

Table: 1 - Groundwater Extraction - Mass Removal Data

Attachment: A - Blaine Groundwater Monitoring Report and Field Notes

cc: Karen Petryna, Shell Oil Products US, P.O. Box 7869, Burbank, CA 91510-7869
Aura Sibley, Shell Oil Products US, 1635 Pacheco Boulevard, Martinez, CA 94553
Chuck Headlee, RWQCB, 1515 Clay Street, Suite 1400, Oakland, CA 94612
Paul Smith, Livermore-Pleasanton Fire Department, 4550 East Avenue, Livermore, CA 94550
Matthew W. Katen, Zone 7 Water Agency, 5997 Parkside Drive, Pleasanton, CA 94588-5127
Tri-Valley Management, 3730 Hopyard Road, Pleasanton CA 94588

G:\Pleasanton 3790 Hopyard\QM\3q02\3q02.doc



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

CAMBRIA

Vicinity/Area Well Survey Map

1/2 Mile Radius

11/12/02

Groundwater Elevation Contour Map

September 27, 2002

EXPLANATION

- Proposed CPT boring location
- S-2 — Monitoring well
- SR-1 — Groundwater recovery well
- T-1 — Tank backfill well
- CPT-1 — CPT boring location
- NS — Not surveyed
- 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.
- Storm Drain line (SD)
- Water Main (W)
- Gas line (G)
- Electrical line (E)
- fbg — Feet below grade
- Flow direction
- FH — Fire hydrant
- PG&E — PG&E vault

Note: Utility locations are approximate

Municipal Well
Located 1,500 ft. SE

Groundwater Flow Direction
(2Q97 to 3Q02)

Las Positas
Office Plaza

HOPYARD ROAD

LAS POSITAS BOULEVARD

ARROYO MOCHO CANAL

creek bridge

fence

bike path

walkway

planter

SD culvert
flows to creek

G (unknown ø)

W (20"ø, 9 fbg)

SD (15"ø, 11.5 fbg)

W (16"ø, 9 fbg)

E (unknown diameter)

SD (18"ø, 12.5 fbg)

W (16"ø, 8.5 fbg)

4"ø, 11.3 fbg)

SD inlet

PG&E

FH

S-10	312.66	<0.50	<5.0	
S-11	NS	<0.50	<5.0	
S-12	NS	<0.50	<5.0	
S-6	312.92	<2.5	580	
S-7	311.45	<0.50	10	
T-2	NS	0.55	39	
S-4	313.79	<2.0	1,100	
SR-2	313.71	<10	5,000	
SR-3	313.90	<25	11,000	
S-5	313.02	0.88	280	
S-9	310.20	<0.50	180	
S-3	314.08	<0.50	<5.0	
S-2	313.87	<10	4,200	
S-8	311.54	<0.50	19	

T-1, T-2, T-3, T-4, SR-1, CPT-1

313.00, 312.00, 311.00, 314.00

7-Eleven
3760 Hopyard Road

Shell-branded
Service Station
3790 Hopyard

Business Center
3730 Hopyard

DMV

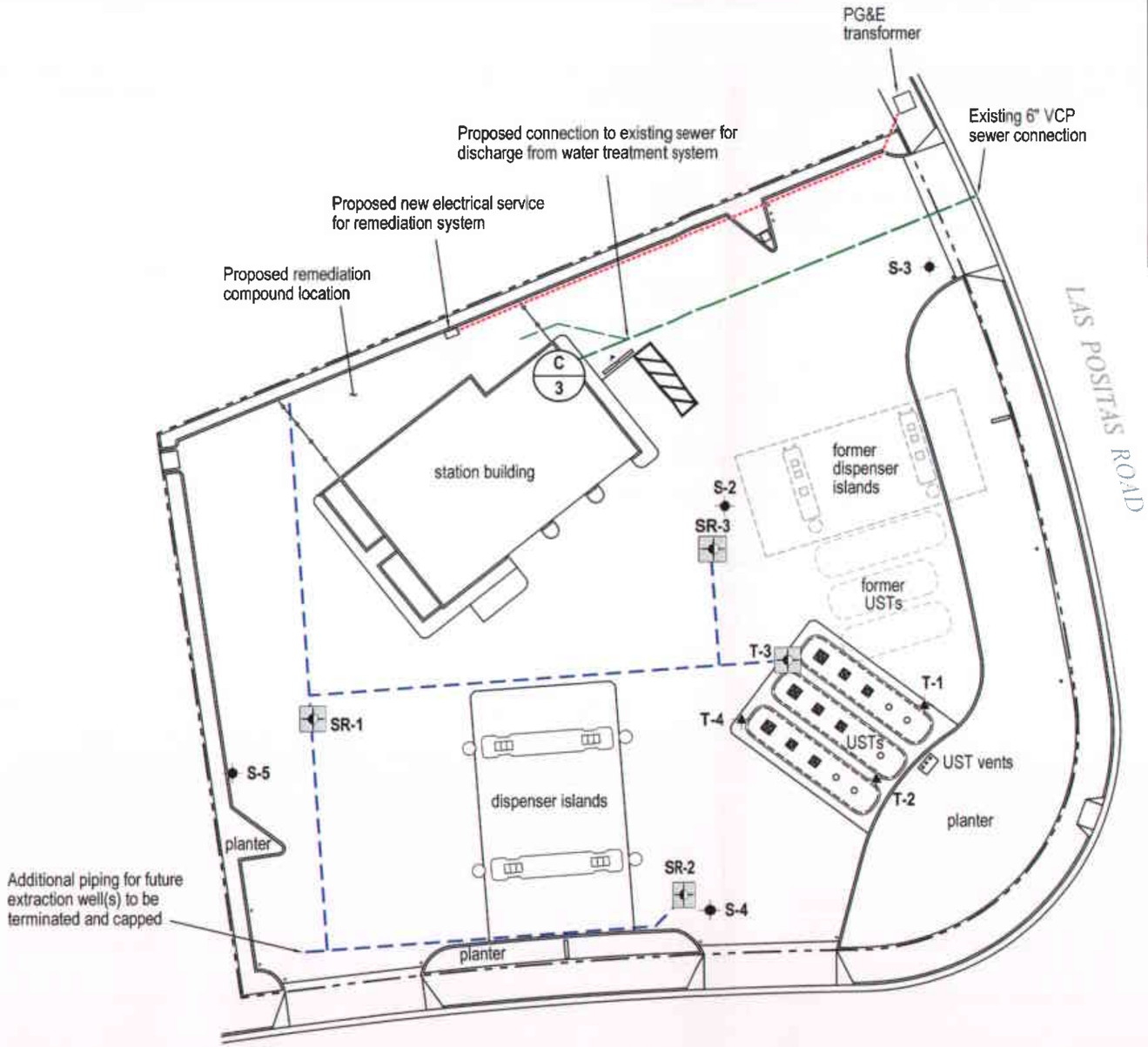
0 40 80 160
SCALE 1:20 FEET

FIGURE
2

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

CAMBRIA

G:\PLEASANTON\3790HOPYARD\FIGURES\3QM02-MP.AI



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

0 15 30 60

Scale (ft)

Groundwater Extraction System Layout

CAMBRIA

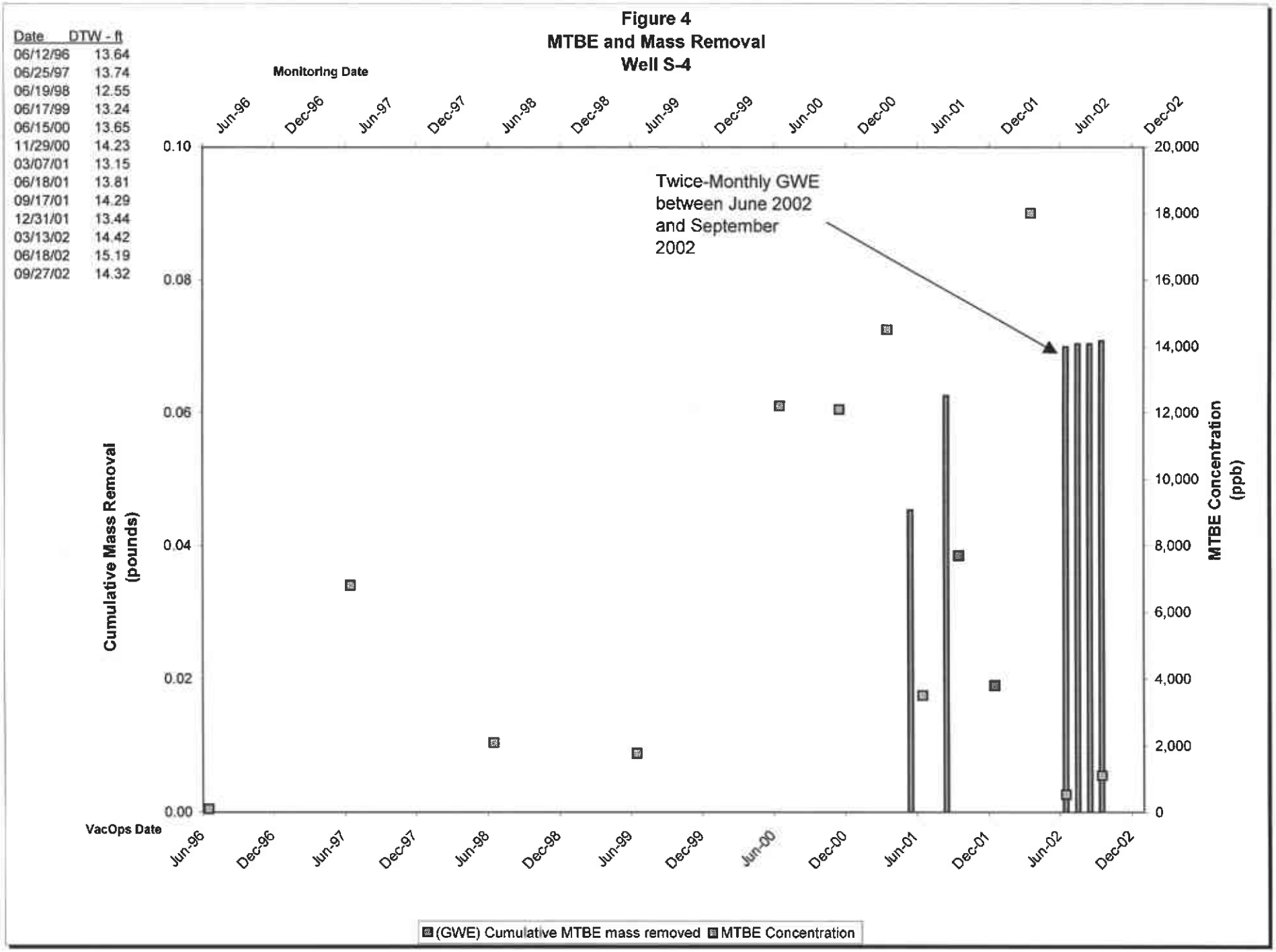
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, California
Incident# 89995842

FIGURE
3

G:\PLEASANTON\3790HOPYARD\FIGURES\REMEDIATION\REM-SITE-PLAN.DWG

Figure 4
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

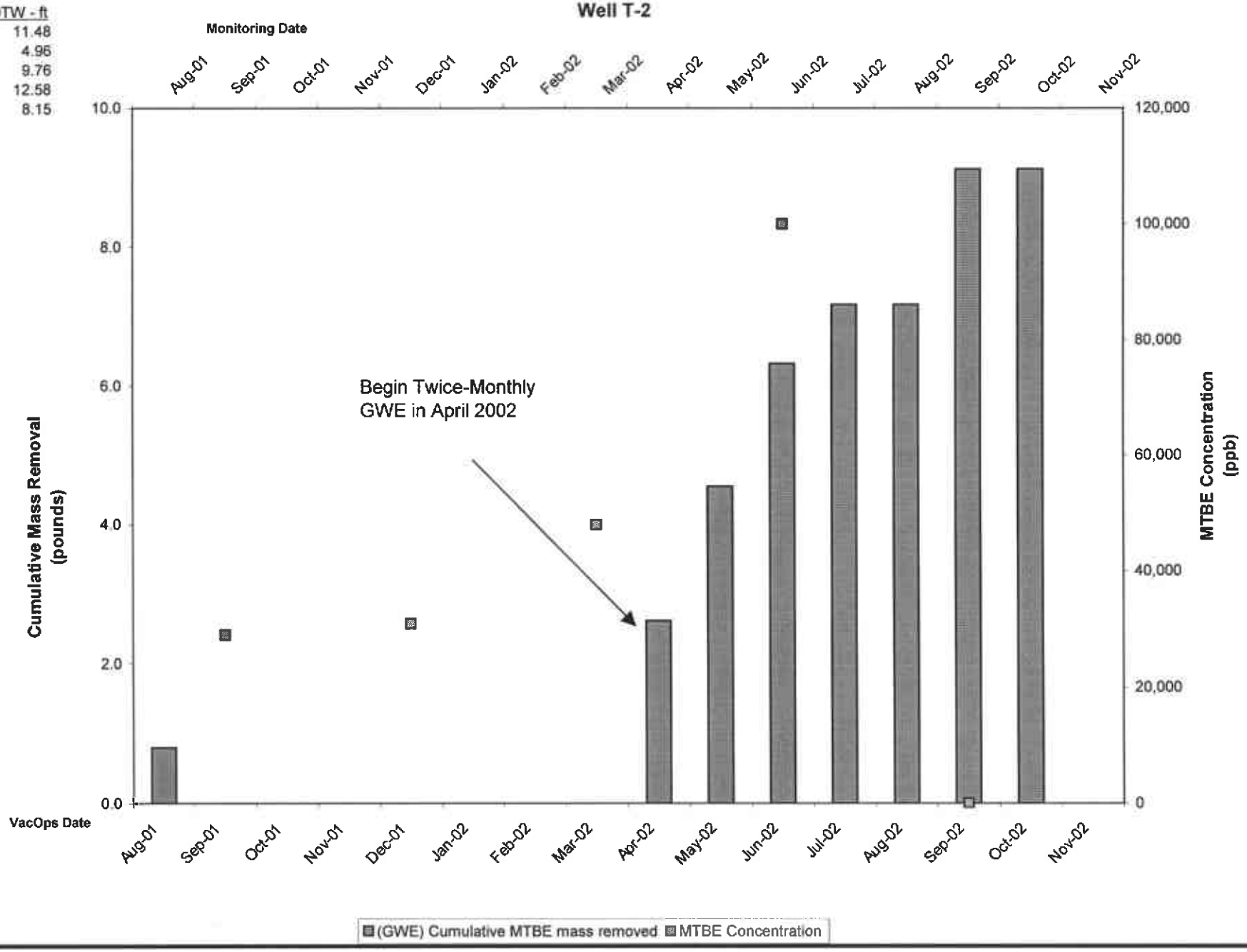


3790 Hopyard Road, Pleasanton, California

G:\Pleasanton 3790 Hopyard\Vac Ops\MTBE Graphs\3q02 - 3790 Pleasanton MTBE graph

Figure 5
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



3790 Hopyard Road, Pleasanton, California

G:\Pleasanton 3790 HopyardVac Ops\MTBE Graphs\3q02 - 3790 Pleasanton MTBE graph

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

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)
					TPPH			**Benzene**			**MTBE**		
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
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
Total Gallons Extracted:			**36,570**		**Total Pounds Removed:**		**0.70716**			**0.00658**			**9.23173**
					Total Gallons Removed:		**0.11593**			**0.00090**			**1.48899**

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/10^6µg) 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.

ATTACHMENT A

Blaine Groundwater Monitoring Report and Field Notes

BLAINE
TECH SERVICES, INC.

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

October 17, 2002

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

Third Quarter 2002 Groundwater Monitoring at
Shell-branded Service Station
3790 Hopyard Road
Pleasanton, CA

Monitoring performed on September 23 and 27, 2002

Groundwater Monitoring Report **020927-SS-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.
1144 65th Street, Suite C
Oakland, CA 94608-2411

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-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
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

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	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-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
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

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 (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-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
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

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-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-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
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

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-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-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

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-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
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-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

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-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
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-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

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-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
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-10	03/20/1991	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	326.55	NA	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)
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
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**

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-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-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**
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-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**
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-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

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.

KIFF ANALYTICAL LLC

Report Number : 28916
Date : 10/14/2002

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

Subject : 14 Water Samples
Project Name : 3790 Hopyard Rd., Pleasanton
Project Number : 020927-SS1
P.O. Number : 98995842

Dear Mr. Gearhart,

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

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

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 28916
Date : 10/14/2002

Subject : 14 Water Samples
Project Name : 3790 Hopyard Rd., Pleasanton
Project Number : 020927-SS1
P.O. Number : 98995842

Case Narrative

The Method Reporting Limits for sample S-6 are increased due to high levels of Tert-butanol present in the sample.

Approved By: Joel Kiff

2795 2nd St, Suite 300 Davis, CA 95616 916-297-4800

KIFF ANALYTICAL LLC

Report Number : 28916
Date : 10/14/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020927-SS1**

Sample : **S-2** Matrix : Water Lab Number : 28916-01
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 10**	10	ug/L	EPA 8260B	10/5/2002
Toluene	**< 10**	10	ug/L	EPA 8260B	10/5/2002
Ethylbenzene	**< 10**	10	ug/L	EPA 8260B	10/5/2002
Total Xylenes	**< 10**	10	ug/L	EPA 8260B	10/5/2002
Methyl-t-butyl ether (MTBE)	**4200**	100	ug/L	EPA 8260B	10/5/2002
TPH as Gasoline	**< 1000**	1000	ug/L	EPA 8260B	10/5/2002
Toluene - d8 (Surr)	97.1		% Recovery	EPA 8260B	10/5/2002
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	10/5/2002

Sample : **S-3** Matrix : Water Lab Number : 28916-02
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/3/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/3/2002
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/3/2002
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	10/3/2002

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 28916
Date : 10/14/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020927-SS1**

Sample : **S-4** Matrix : Water Lab Number : 28916-03
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 2.0**	2.0	ug/L	EPA 8260B	10/11/2002
Toluene	**< 2.0**	2.0	ug/L	EPA 8260B	10/11/2002
Ethylbenzene	**< 2.0**	2.0	ug/L	EPA 8260B	10/11/2002
Total Xylenes	**< 2.0**	2.0	ug/L	EPA 8260B	10/11/2002
Methyl-t-butyl ether (MTBE)	**1100**	20	ug/L	EPA 8260B	10/11/2002
TPH as Gasoline	**< 200**	200	ug/L	EPA 8260B	10/11/2002
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	10/11/2002
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	10/11/2002

Sample : **S-5** Matrix : Water Lab Number : 28916-04
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.88**	0.50	ug/L	EPA 8260B	10/3/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Methyl-t-butyl ether (MTBE)	**280**	5.0	ug/L	EPA 8260B	10/3/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/3/2002
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/3/2002
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	10/3/2002

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 28916
Date : 10/14/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020927-SS1**

Sample : **S-6** Matrix : Water Lab Number : 28916-05
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 2.5**	2.5	ug/L	EPA 8260B	10/9/2002
Toluene	**< 2.5**	2.5	ug/L	EPA 8260B	10/9/2002
Ethylbenzene	**< 2.5**	2.5	ug/L	EPA 8260B	10/9/2002
Total Xylenes	**< 2.5**	2.5	ug/L	EPA 8260B	10/9/2002
Methyl-t-butyl ether (MTBE)	**580**	25	ug/L	EPA 8260B	10/9/2002
TPH as Gasoline	**< 250**	250	ug/L	EPA 8260B	10/9/2002
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	10/9/2002
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	10/9/2002

Sample : **S-7** Matrix : Water Lab Number : 28916-06
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Methyl-t-butyl ether (MTBE)	**10**	5.0	ug/L	EPA 8260B	10/3/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/3/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/3/2002
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	10/3/2002

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 28916
Date : 10/14/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020927-SS1**

Sample : **S-8** Matrix : Water Lab Number : 28916-07
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Methyl-t-butyl ether (MTBE)	**19**	5.0	ug/L	EPA 8260B	10/3/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/3/2002
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	10/3/2002
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	10/3/2002

Sample : **S-9** Matrix : Water Lab Number : 28916-08
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Methyl-t-butyl ether (MTBE)	**180**	5.0	ug/L	EPA 8260B	10/3/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/3/2002
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	10/3/2002
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	10/3/2002

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 28916
Date : 10/14/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020927-SS1**

Sample : **S-10** Matrix : Water Lab Number : 28916-09
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/3/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/3/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/3/2002
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	10/3/2002
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	10/3/2002

Sample : **S-11** Matrix : Water Lab Number : 28916-10
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/4/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/4/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/4/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/4/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/4/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/4/2002
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	10/4/2002
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	10/4/2002

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 28916
Date : 10/14/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020927-SS1**

Sample : **S-12** Matrix : Water Lab Number : 28916-11
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/4/2002
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	10/4/2002
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	10/4/2002
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	10/4/2002
Methyl-t-butyl ether (MTBE)	**< 5.0**	5.0	ug/L	EPA 8260B	10/4/2002
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	10/4/2002
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/4/2002
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	10/4/2002

Sample : **T-2** Matrix : Water Lab Number : 28916-12
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.55**	0.50	ug/L	EPA 8260B	10/4/2002
Toluene	**2.8**	0.50	ug/L	EPA 8260B	10/4/2002
Ethylbenzene	**1.8**	0.50	ug/L	EPA 8260B	10/4/2002
Total Xylenes	**2.6**	0.50	ug/L	EPA 8260B	10/4/2002
Methyl-t-butyl ether (MTBE)	**39**	5.0	ug/L	EPA 8260B	10/4/2002
TPH as Gasoline	**240**	50	ug/L	EPA 8260B	10/4/2002
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	10/4/2002
4-Bromofluorobenzene (Surr)	105		% Recovery	EPA 8260B	10/4/2002

Joel Kiff

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 28916
Date : 10/14/2002

Project Name : **3790 Hopyard Rd., Pleasanton**
Project Number : **020927-SS1**

Sample : **SR-2** Matrix : Water Lab Number : 28916-13
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 10**	10	ug/L	EPA 8260B	10/6/2002
Toluene	**< 10**	10	ug/L	EPA 8260B	10/6/2002
Ethylbenzene	**< 10**	10	ug/L	EPA 8260B	10/6/2002
Total Xylenes	**< 10**	10	ug/L	EPA 8260B	10/6/2002
Methyl-t-butyl ether (MTBE)	**5000**	100	ug/L	EPA 8260B	10/6/2002
TPH as Gasoline	**< 1000**	1000	ug/L	EPA 8260B	10/6/2002
Toluene - d8 (Surr)	98.1		% Recovery	EPA 8260B	10/6/2002
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	10/6/2002

Sample : **SR-3** Matrix : Water Lab Number : 28916-14
Sample Date :9/27/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 25**	25	ug/L	EPA 8260B	10/6/2002
Toluene	**< 25**	25	ug/L	EPA 8260B	10/6/2002
Ethylbenzene	**< 25**	25	ug/L	EPA 8260B	10/6/2002
Total Xylenes	**< 25**	25	ug/L	EPA 8260B	10/6/2002
Methyl-t-butyl ether (MTBE)	**11000**	250	ug/L	EPA 8260B	10/6/2002
TPH as Gasoline	**< 2500**	2500	ug/L	EPA 8260B	10/6/2002
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	10/6/2002
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	10/6/2002

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

Report Number : 28916

Date : 10/14/2002

QC Report : Method Blank Data

Project Name : **3790 Hopyard Rd., Pleasanton**

Project Number : **020927-SS1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/11/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/11/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/11/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/11/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/11/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/11/2002
Toluene - d8 (Surr)	97.6		%	EPA 8260B	10/11/2002
4-Bromofluorobenzene (Surr)	100		%	EPA 8260B	10/11/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/2/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/2/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/2/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/2/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/2/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/2/2002
Toluene - d8 (Surr)	105		%	EPA 8260B	10/2/2002
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	10/2/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/4/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/4/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/4/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/4/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/4/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/4/2002
Toluene - d8 (Surr)	103		%	EPA 8260B	10/4/2002
4-Bromofluorobenzene (Surr)	104		%	EPA 8260B	10/4/2002

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/9/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/9/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/9/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/9/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/9/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/9/2002
Toluene - d8 (Surr)	97.4		%	EPA 8260B	10/9/2002
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	10/9/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/5/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/5/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/5/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/5/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/5/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/5/2002
Toluene - d8 (Surr)	97.8		%	EPA 8260B	10/5/2002
4-Bromofluorobenzene (Surr)	105		%	EPA 8260B	10/5/2002
Benzene	< 0.50	0.50	ug/L	EPA 8260B	10/5/2002
Toluene	< 0.50	0.50	ug/L	EPA 8260B	10/5/2002
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	10/5/2002
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	10/5/2002
Methyl-t-butyl ether (MTBE)	< 5.0	5.0	ug/L	EPA 8260B	10/5/2002
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	10/5/2002
Toluene - d8 (Surr)	97.7		%	EPA 8260B	10/5/2002
4-Bromofluorobenzene (Surr)	103		%	EPA 8260B	10/5/2002

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St. Suite 300 Davis. CA 95616 530-297-4800

Report Number : 28916

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/14/2002

Project Name : **3790 Hopyard Rd.,**

Project Number : **020927-SS1**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	29004-05	<0.50	99.0	99.0	105	104	ug/L	EPA 8260B	10/11/02	106	105	0.804	70-130	25
Toluene	29004-05	<0.50	99.0	99.0	100	101	ug/L	EPA 8260B	10/11/02	101	102	0.394	70-130	25
Tert-Butanol	29004-05	280	495	495	809	740	ug/L	EPA 8260B	10/11/02	106	92.5	14.1	70-130	25
Methyl-t-Butyl Ether	29004-05	890	99.0	99.0	977	966	ug/L	EPA 8260B	10/11/02	86.0	75.0	13.7	70-130	25
Benzene	28809-03	<0.50	40.0	40.0	39.6	38.8	ug/L	EPA 8260B	10/2/02	98.9	97.0	1.91	70-130	25
Toluene	28809-03	<0.50	40.0	40.0	41.1	39.4	ug/L	EPA 8260B	10/2/02	103	98.6	4.22	70-130	25
Tert-Butanol	28809-03	<5.0	200	200	211	214	ug/L	EPA 8260B	10/2/02	105	107	1.56	70-130	25
Methyl-t-Butyl Ether	28809-03	4.8	40.0	40.0	45.0	44.2	ug/L	EPA 8260B	10/2/02	100	98.4	2.04	70-130	25
Benzene	29000-04	1.1	40.0	40.0	40.2	39.9	ug/L	EPA 8260B	10/4/02	97.8	97.0	0.744	70-130	25
Toluene	29000-04	<0.50	40.0	40.0	39.6	37.7	ug/L	EPA 8260B	10/4/02	99.1	94.3	4.96	70-130	25
Tert-Butanol	29000-04	<5.0	200	200	197	218	ug/L	EPA 8260B	10/4/02	98.3	109	10.5	70-130	25
Methyl-t-Butyl Ether	29000-04	<0.50	40.0	40.0	35.9	35.5	ug/L	EPA 8260B	10/4/02	89.7	88.8	0.980	70-130	25
Benzene	28998-01	<0.50	40.0	40.0	40.5	39.1	ug/L	EPA 8260B	10/9/02	101	97.7	3.44	70-130	25
Toluene	28998-01	<0.50	40.0	40.0	39.4	39.2	ug/L	EPA 8260B	10/9/02	98.4	98.0	0.407	70-130	25
Tert-Butanol	28998-01	<5.0	200	200	189	204	ug/L	EPA 8260B	10/9/02	94.6	102	7.74	70-130	25
Methyl-t-Butyl Ether	28998-01	0.92	40.0	40.0	39.9	40.9	ug/L	EPA 8260B	10/9/02	97.4	99.9	2.56	70-130	25
Benzene	28963-02	<0.50	40.0	40.0	41.4	40.1	ug/L	EPA 8260B	10/5/02	104	100	3.19	70-130	25
Toluene	28963-02	<0.50	40.0	40.0	39.7	39.0	ug/L	EPA 8260B	10/5/02	99.2	97.4	1.83	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 28916

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 10/14/2002

Project Name : **3790 Hopyard Rd.,**

Project Number : **020927-SS1**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Tert-Butanol	28963-02	<5.0	200	200	224	218	ug/L	EPA 8260B	10/5/02	112	109	2.52	70-130	25
Methyl-t-Butyl Ether	28963-02	<0.50	40.0	40.0	44.0	42.9	ug/L	EPA 8260B	10/5/02	110	107	2.58	70-130	25
Benzene	28955-10	<0.50	40.0	40.0	39.8	39.2	ug/L	EPA 8260B	10/5/02	99.4	97.9	1.52	70-130	25
Toluene	28955-10	<0.50	40.0	40.0	38.4	38.2	ug/L	EPA 8260B	10/5/02	96.1	95.5	0.626	70-130	25
Tert-Butanol	28955-10	<5.0	200	200	212	209	ug/L	EPA 8260B	10/5/02	106	104	1.29	70-130	25
Methyl-t-Butyl Ether	28955-10	70	40.0	40.0	115	114	ug/L	EPA 8260B	10/5/02	113	111	2.06	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Report Number : 28916

Date : 10/14/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : **3790 Hopyard Rd.,**

Project Number : **020927-SS1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	18.9	ug/L	EPA 8260B	10/11/02	101	70-130
Toluene	18.9	ug/L	EPA 8260B	10/11/02	92.8	70-130
Tert-Butanol	94.5	ug/L	EPA 8260B	10/11/02	96.6	70-130
Methyl-t-Butyl Ether	18.9	ug/L	EPA 8260B	10/11/02	100	70-130
Benzene	40.0	ug/L	EPA 8260B	10/2/02	96.2	70-130
Toluene	40.0	ug/L	EPA 8260B	10/2/02	100	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/2/02	102	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/2/02	97.2	70-130
Benzene	40.0	ug/L	EPA 8260B	10/4/02	97.8	70-130
Toluene	40.0	ug/L	EPA 8260B	10/4/02	98.8	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/4/02	111	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/4/02	92.8	70-130
Benzene	40.0	ug/L	EPA 8260B	10/9/02	102	70-130
Toluene	40.0	ug/L	EPA 8260B	10/9/02	103	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/9/02	95.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/9/02	93.4	70-130
Benzene	40.0	ug/L	EPA 8260B	10/5/02	95.3	70-130

KIFF ANALYTICAL, LLC

Approved By: Joel Kiff

Report Number : 28916

Date : 10/14/2002

QC Report : Laboratory Control Sample (LCS)

Project Name : **3790 Hopyard Rd.,**

Project Number : **020927-SS1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Toluene	40.0	ug/L	EPA 8260B	10/5/02	93.9	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/5/02	101	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/5/02	102	70-130
Benzene	40.0	ug/L	EPA 8260B	10/5/02	94.0	70-130
Toluene	40.0	ug/L	EPA 8260B	10/5/02	90.4	70-130
Tert-Butanol	200	ug/L	EPA 8260B	10/5/02	98.9	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	10/5/02	99.8	70-130

KIFF ANALYTICAL, LLC

Approved By: Joel Kiff

SHELL Chain of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced: Karen Petryna

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

28916

INCIDENT NUMBER (S&E ONLY): 98995842

SAP or CRMT NUMBER (TS/CRMT):

DATE: 9/27/02

PAGE: 1 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	3790 Hopyard Rd., Pleasanton	T0600101257

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Anni Kreml	(510) 420-3335	SheliOaklandEDF@cambria-env.com	BTS #120927-551

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):
Leon Gearhart	408-573-0555	408-573-7771	lgearhart@blainetech.com	SUCHEON SUNG

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

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

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

NON-PRESERVED VOA'S USED FOR S-7, S-8 AND S-12

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	TEMPERATURE ON RECEIPT C°
	S-2	9/27/02	1450	GW	3	X	X	X						-01
	S-3		1440			X	X	X						-02
	S-4		1505			X	X	X						-03
	S-5		1425			X	X	X						-04
	S-6		1032			X	X	X						-05
	S-7		1010			X	X	X						REJECTION - USED NP VOA'S -06
	S-8		934			X	X	X						" " -07
	S-9		847			X	X	X						-08
	S-10		1158			X	X	X						-09
	S-11		1136			X	X	X						-10

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

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	John Cuttle/Kiff Analytical	093002	1154

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

10/15/00 Revision

Q&Q Graphic (714) 898-9702

SHELL Chain of Custody Record

Lab Identification (if necessary):

Address:

City, State, Zip:

Shell Project Manager to be invoiced:

☑ SCIENCE & ENGINEERING ☐ TECHNICAL SERVICES ☐ CRMT HOUSTON

Karen Petryna

28916

INCIDENT NUMBER (S&E ONLY): 98995842

SAP or CRMT NUMBER (TS/CRMT):

DATE: 9/27/02

PAGE: 2 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS (Street and City):	GLOBAL ID NO.:
Blaine Tech Services	BTSS	3790 Hopyard Rd., Pleasanton	T0600101257

ADDRESS:	EDF DELIVERABLE TO (Responsible Party or Designee):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
1680 Rogers Avenue, San Jose, CA 95112	Anni Kreml	(510) 420-3335	ShellOaklandEDF@cambria-env.com	BTS # 020927-SS

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:	SAMPLER NAME(S) (Print):
Leon Gearhart	408-573-0555	408-573-7771	lgearhart@blainetech.com	SUCHEON SUNG

LAB USE ONLY

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

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

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

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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (8021B - 5ppb RL)	MTBE (8260B - 0.5ppb RL)	Oxygenates (5) by (8260B)	Ethanol (8260B)	Methanol	EDB & 1,2-DCA (8260B)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes / TEMPERATURE ON RECEIPT C°
	S-12	9/27/02	1118	GW	3	X	X	X						PRESERVATION - USED HCl VOA'S -11
	T-2		1145			X	X	X						-12
	SR-2		1430			X	X	X						-13
	SR-3	↓	1415	↓	↓	X	X	X						-14

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]			
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	John Cuttle / Kiff Analytical	093002	1154

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

10/18/00 Revision

Q&Q Graphic (714) 898-9702

WELL GAUGING DATA

Project # 020927-551 Date 9/29/02 Client EQUILON

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					14.90	35.18		
S-3	3					13.32	35.50		
S-4	3					14.32	35.85		
S-5	3					16.34	35.85		
S-6	3					14.34	34.70		
S-7	3					16.96	35.20		
S-8	3					14.60	34.35		
S-9	3					17.65	35.25		
S-10	3					13.21	34.30		
S-11	2					~~16.95~~ 16.95	~~24.85~~		
S-12	2					17.95	24.85		
T-2	6					8.15	~~13.15~~		
SP-2	4					14.20	34.65		
SP-3	4					14.75	34.75		
GAUGED W/ STINGER IN WELL									

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-551	Site: 4849555 42
Sampler: Scott	Date: 9/27/02
Well I.D.: S-2	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 35.18	Depth to Water (DTW): 14.90
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]: 18.96	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1406	20.7	6.8	2255	115	7.5	PURGED / H2SODOR
1407	WELL DEWATERED @ 8.0 gal.					DTW = 31.05
1446	20.9	6.9	2421	52	———	DTW = 17.52

Did well dewater? (Yes) No Gallons actually evacuated: 8.0

Sampling Date: 9/27/02 Sampling Time: 1450 Depth to Water: 17.52

Sample I.D.: S-2 Laboratory: (Kiff) SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS-1	Site: 9899 5542
Sampler: Scott	Date: 9/27/02
Well I.D.: S-3	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 35.50	Depth to Water (DTW): 13.32
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]: 17.76	

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

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

8.2 (Gals.) X 3 = 24.6 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
1334	20.2	6.7	3445	103	8.2	PURGED
1336	20.1	6.7	3743	122	16.4	PURGED
1338	20.0	6.8	4100	3200	24.6	"

Did well dewater? Yes (No) Gallons actually evacuated: 24.6

Sampling Date: 9/27/02 Sampling Time: 1440 Depth to Water: 13.36

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

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS-1	Site: # 9899SS42
Sampler: Scott	Date: 9/27/02
Well I.D.: S-4	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 35.85	Depth to Water (DTW): 14.32
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]: 18.63	

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

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

8 (Gals.) X	3	= 24 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
1349	20.3	6.9	2420	>200	8	TURBID / MILKY APPEAR
1350 –	well DEWATERED @		8.5 gal.			DTW = 31.50
1503	19.5	7.0	2661	>200	—	DTW =
SAMPLED @ SITE	DISCHARGE					

Did well dewater? (Yes) No Gallons actually evacuated: 8.5

Sampling Date: 9/27/02 Sampling Time: 1505 Depth to Water: 20.09

Sample I.D.: S-4 Laboratory: (Kiff) SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS1	Site: 9899554
Sampler: Scott	Date: 9/27/02
Well I.D.: S-5	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 35.85	Depth to Water (DTW): 16.34
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]: 20.24	

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

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

7.2 (Gals.) X 3 = 21.6 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
1215	19.6	6.6	1420	>200	7.2	BROWN
1217	19.7	6.6	1412	70	14.4	LESS COLOR
1219	19.6	6.6	1435	16	21.6	CLEAR

Did well dewater? Yes (No) Gallons actually evacuated: 21.6

Sampling Date: 9/27/02 Sampling Time: 1425 Depth to Water: 19.13

Sample I.D.: S-5 Laboratory: (Kiff) SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS1	Site: 9899 SS42
Sampler: Scott	Date: 9/27/02
Well I.D.: S-6	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth (TD): 34.70	Depth to Water (DTW): 14.34
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]: 18.41	

Purge Method: Bailer, Disposable Bailer, ~~Middleburg~~, (Electric Submersible), Waterra, Peristaltic, Extraction Pump, Other ____

Sampling Method: (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
1021	19.3	6.8	1849	>200	7.5	TURBID
1023	19.6	6.8	1772	>200	15.0	"
WELL DEWATERED @			15 gal.			DTW = 29.30
1030	19.0	6.9	1860	>200	—	DTW = 26.15

Did well dewater? (Yes) No Gallons actually evacuated: 15

Sampling Date: 9/27/02 Sampling Time: 1032 Depth to Water: ~~1032~~ 26.15 TRAFFIC

Sample I.D.: S-6 Laboratory: (Kiff) SPL Other ____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS-1	Site: 98995542
Sampler: Scott	Date: 9/27/02
Well I.D.: S-7	Well Diameter: 2 3 4 6 8 ___
Total Well Depth (TD): 35.20	Depth to Water (DTW): 16.96
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]: 20.61	

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

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

6.7 (Gals.) X 3 = 20.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1001	19.2	6.7	2785	125	6.7	TURBID
1003	19.6	6.6	3421	>200	13.4	"
1005	19.6	6.6	3570	>200	20.1	"
REACTION IN VOA - USED NP.						

Did well dewater? Yes (No) Gallons actually evacuated: 20.1

Sampling Date: 9/27/02 Sampling Time: 1010 Depth to Water: 29.90 TRAFFIC

Sample I.D.: S-7 Laboratory: (Kiff) SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS1	Site: 9899 5542
Sampler: Scott	Date: 9/27/02
Well I.D.: S-8	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 34.35	Depth to Water (DTW): 14.60
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]: 18.55	

Purge Method: Bailer / Disposable Bailer / Middleburg / ~~Electric Submersible~~ / Waterra / Peristaltic / Extraction Pump / Other ___

Sampling Method: (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
920	19.3	6.6	3877	>200	7.3	TURBID
922	19.4	6.6	4132	>200	14.6	"
924	19.4	6.7	4216	>200	22.0	"
* REACTIONS IN VIAL. UNABLE NP.						

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

Sampling Date: 9/27/02 Sampling Time: 934 Depth to Water: 18.51

Sample I.D.: S-8 Laboratory: (Kiff) SPL Other ___

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-551	Site: 9899 5542
Sampler: Scott	Date: 9/27/02
Well I.D.: S-9	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 35.25	Depth to Water (DTW): 17.65
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]: 21.17	

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
823	19.6	6.6	3125	71	6.5	TURBID
830	19.6	6.7	3091	>200	13.0	"
837	19.7	6.7	3108	>200	19.5	"

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

Sampling Date: 9/27/02 Sampling Time: 847 Depth to Water: 21.10

Sample I.D.: S-9 Laboratory: (Kiff) SPL Other ___

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS-1	Site: 9899 5542
Sampler: Scott	Date: 9/27/02
Well I.D.: S-10	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 34.30	Depth to Water (DTW): 13.21
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]: 17.43	

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

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

7.8 (Gals.) X 3 = 23.4 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1151	18.6	7.1	1266	>200	7.8	TURBID
1153	18.8	7.0	1292	>200	15.6	"
1155	18.8	7.0	1271	>200	23.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 23.5

Sampling Date: 9/27/02 Sampling Time: 1159 Depth to Water: 20.05 TRAFFIC

Sample I.D.: S-10 Laboratory: (Kiff) SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS-1	Site: 9899 5542
Sampler: Scott	Date: 9/27/02
Well I.D.: S-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 25.10	Depth to Water (DTW): 16.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 18.58	

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

Sampling Method: (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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1130	19.1	6.7	3830	>200	1.3	BROWN
1132	18.9	6.8	3835	>200	2.6	"
1134	19.2	6.8	4067	7200	4.0	"

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

Sampling Date: 9/27/02 Sampling Time: 1136 Depth to Water: 21.70 TRAFFIC

Sample I.D.: S-11 Laboratory: (Kiff) SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS-1	Site: 98995542
Sampler: Scott	Date: 9/27/02
Well I.D.: S-12	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth (TD): 24.85	Depth to Water (DTW): 17.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.33	

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

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

1.1 (Gals.) X	3	=	3.3 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 (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1111	18.2	6.8	2992	>200	1.1	BROWN
1112	18.6	6.8	3073	>200	2.2	"
1113	18.7	6.8	3116	>200	3.3	"

EXTRACTION IN VOA'S. USED NP

Did well dewater? Yes (No) Gallons actually evacuated: 3.3

Sampling Date: 9/27/02 Sampling Time: 1118 Depth to Water: 19.20

Sample I.D.: S-12 Laboratory: (Kiff) SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS-1	Site: 9899 5542
Sampler: Scott	Date: 9/27/02
Well I.D.: T-2	Well Diameter: 2 3 4 (6) 8 ___
Total Well Depth (TD): ~~12.85~~ 13.15	Depth to Water (DTW): 8.15
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]: 9.15	

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

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

1 Case Volume	Specified Volumes	Calculated Volume
7.4 (Gals.) X	3	= 22.2 Gals.

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1238	23.2	6.5	783	7	7.5	CLEAR/GAS ODOR
1240	24.0	6.4	751	4	15.0	"
1242	24.2	6.4	748	4	22.5	"

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

Sampling Date: 9/27/02 Sampling Time: 1245 Depth to Water: 8.20

Sample I.D.: T-2 Laboratory: (Kiff) SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS-1	Site: 9899 5542
Sampler: Scott	Date: 9/27/02
Well I.D.: SP-2	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.65	Depth to Water (DTW): 14.20
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]: 18.29	

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

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

13.3 (Gals.) X	3	= 39.9 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
1256	20.1	6.8	2216	>200	13.3	TURBID/SLIGHT GAS ODOR
1259	20.7	6.8	2049	>200	26.6	" "
1302	20.3	6.8	2389	87	40.0	" "

Did well dewater? Yes (No) Gallons actually evacuated: 40

Sampling Date: 9/27/02 Sampling Time: 1430 Depth to Water: 15.00

Sample I.D.: SP-2 Laboratory: (Kiff) SPL Other_____

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

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

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 020927-SS 1	Site: 98995542
Sampler: Scott	Date: 9/27/02
Well I.D.: SB-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 34.75	Depth to Water (DTW): 14.75
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]: 18.75	

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

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

1 Case Volume	(Gals.) X	Specified Volumes	=	Calculated Volume	Gals.
13		3		39	

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
1317	20.8	6.7	1878	39	13	CLEAR/ODOR
1320	21.0	6.8	1939	15	26	" "
1323	20.9	6.8	2115	9	39	" "

Did well dewater? Yes (No) Gallons actually evacuated: 39

Sampling Date: 9/27/02 Sampling Time: 1415 Depth to Water: 1550

Sample I.D.: SB-3 Laboratory: (Kiff) SPL Other_____

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

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

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

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

WELL GAUGING DATA

Project # 020923-DA-1 Date 9/23/02 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-11	2					16.93 / a 23.93 b	25.03 / a 25.06 b	TOC	
S-12	2					14.74 / a 21.58 b	24.79 / a 24.79 b	↓	

WELL DEVELOPMENT DATA SHEET

Project #: 020923-DA-1	Client: Shell
Developer: David A.	Date Developed: 9/23/02
Well I.D. ~~MW-11~~ S-11	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 25.03 After 25.06	Depth to Water: Before 16.93 After 23.93
Reason not developed:	If Free Product, thickness:
Additional Notations: Surged 15 min. before purging	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	(2")	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.3	X	10	=	13
1 Case Volume		Specified Volumes		gallons

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

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0900	67.6	6.5	4685	7200	1.3	Yield to pump, dark brown, turbid
0907	66.9	6.7	4645	7200	2.6	Agitated bottom, soft bottom, dark brown, turbid, silty
0908	67.1	7.2	4573	7200	3.9	dark brown, turbid, slightly silty
0909	66.7	7.4	4464	7200	5.2	"
0914	66.5	7.7	4364	7200	6.5	hard bottom, dark brown, turbid
0920	66.7	7.9	4294	7200	7.8	"
0920	well	dewatered @	7.8g	—	—	DTW=23.91
1050	Returned.	DTW= 20.02		—	—	—
Late 1055	Surged 5 min.	—		—	—	—
1100	70.2	7.7	4048	7200	9.1	Agitated bottom, hard bottom, dark brown, turbid, silty
1102	70.1	7.7	4017	7200	10.4	less silty, dark brown, turbid
1102	well	dewatered @	10.4g.	DTW=23.73		

Did Well Dewater? YES	If yes, note above.	Gallons Actually Evacuated:	10.5

WELL DEVELOPMENT DATA SHEET

Project #: 020923-DA-1	Client: Shell
Developer: David A.	Date Developed: 9/23/02
Well I.D. S-12	Well Diameter: (circle one) (2) 3 4 6
Total Well Depth: Before 24.79 After 24.79	Depth to Water: Before 14.74 After 21.58
Reason not developed:	If Free Product, thickness:
Additional Notations: Surged 15 min. before purging	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	(2")	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.6	X	10	=	16
1 Case Volume		Specified Volumes		gallons

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

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1004	69.3	7.0	4103	7200	1.6	Middleburg, dark grey, turbid, silty
1006	69.3	7.0	4046	7200	3.2	Agitated bottom, soft bottom, dark grey, turbid, silty.
1009	68.9	7.1	3928	7200	4.8	soft bottom, dark grey, turbid
1011	70.1	7.1	3877	7200	6.4	"
1013	69.0	7.4	3651	7200	8.0	Agitated bottom, soft bottom, dark grey, turbid, slightly silty
1016	68.8	7.2	3438	7200	9.6	"
1018	68.7	7.3	3352	7200	11.2	dark grey, turbid, slightly silty
1020	69.0	7.5	3238	7200	12.8	hard bottom, grey, turbid, silty
1022	68.9	7.3	3186	7200	14.4	"
1024	69.1	7.6	3167	7200	16.0	grey, turbid, slightly silty

Did Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	16