Shell Oil Products US

July 10, 2006

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

Subject: Former Shell Service Station
461 8th Street
Oakland, California
SAP code 129453

Dear Mr. Chan:

Attached for your review and comment is a copy of the *Groundwater Monitoring Report – Second Quarter 2006* 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 (707) 865-0251 with any questions or concerns.

Sincerely,

Shell Oil Products US

Denis L. Brown
Project Manager

20945 S. Wilmington Ave., Carson, CA 90810 Phone (707) 865-0251 Facsimile (707) 865-2542

CAMBRIA

July 10, 2006

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

Re: **Groundwater Monitoring Report - Second Quarter 2006**
Former Shell Service Station
461 8th Street
Oakland, California
SAP Code 129453
ACHCSA File: RO0000343

Dear Mr. Chan:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) in accordance with the quarterly reporting requirements of 23 CCR 2652d.

SECOND QUARTER 2006 ACTIVITIES

Groundwater Monitoring: Blaine Tech Services, Inc. (Blaine) of San Jose, California gauged and sampled all site wells, except S-5, and prepared a summary table of field gauging and laboratory analytical data. Cambria prepared a vicinity/area well survey map (Figure 1) and a groundwater contour/chemical concentration map (Figure 2). Blaine's report, presenting the laboratory report, is included as Appendix A.

Other Activities: Cambria submitted the *Subsurface Investigation Work Plan* dated June 7, 2006.

ANTICIPATED THIRD QUARTER 2006 ACTIVITIES

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

Other Activities: Cambria awaits agency approval of the June 7, 2006 work plan.

Cambria Environmental Technology, Inc.

270 Perkins Street
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-6649

CLOSING

If you have any questions regarding this document, please call Ana Friel at (707) 268-3812.

Sincerely,

Cambria Environmental Technology, Inc.

Kevin Taylor
Staff Geologist

Ana Friel, PG
Associate Geologist

Attachments:

Figure 1. Vicinity/Area Well Survey Map
Figure 2. Groundwater Contour/Chemical Concentration Map

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

cc: Denis Brown, Shell
A.F. Evans Company (Property Owners), c/o Greg Lunkes
R. Casteel & Co.
Leroy Griffin, City of Oakland Fire Prevention Bureau

I:\Oakland 461 8th\QMRs\2006\2Q06\1501 2Q06.doc

3-Feb-04

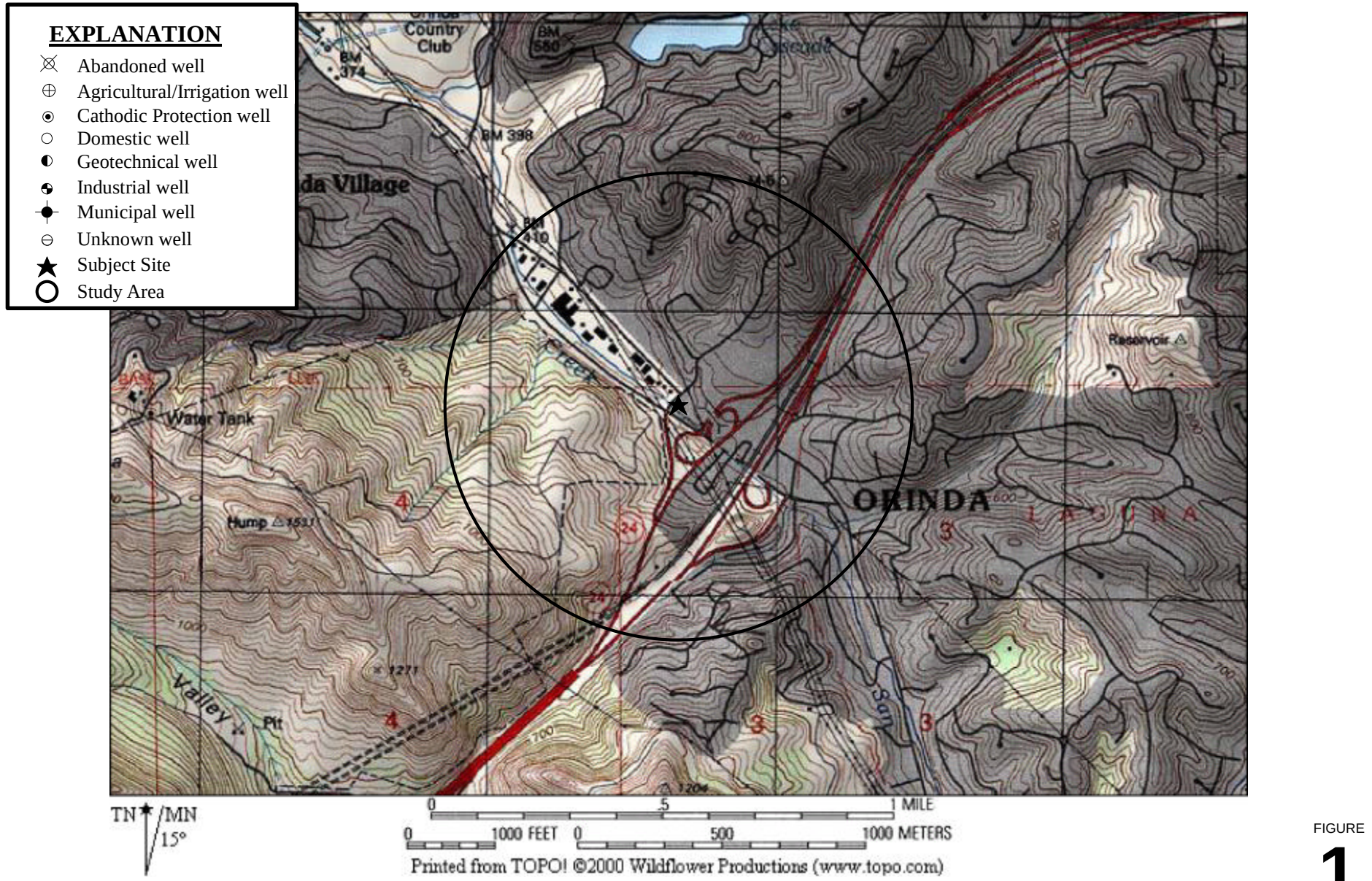

FIGURE
1

1179

Shell-branded Service Station
9 Orinda Way
Orinda, California

CAMBRIA

Site Vicinity/Well Survey Map

21-Jun-06

EXPLANATION

- Proposed soil boring location
- S-4 — Groundwater monitoring well
- S-1 — Abandoned monitoring well
- XX.XX — Groundwater elevation contour in feet referenced to mean sea level (ft msl).
- Approximate groundwater flow direction
- 10.76 — Groundwater elevation, in feet above msl
- (24,800) — Benzene concentrations in micrograms per liter (µg/L)
- (<25.0) — MTBE concentrations in ppb
- (1.5/<0.50, 17-Jan-05) — Benzene/MTBE concentrations in µg/L, date last sampled
- MH — Manhole
- FL = 16.50' — Flow line depth below ground surface
- Flow direction indicator
- Underground BART line (B)
- Storm Drain line (SD)
- Water line (W)
- Sanitary Sewer line (SS)
- Pacific Bell line (T)
- Gas line (G)
- Electrical line (E)

Approximate hydraulic gradient = 0.015

* Because well S-5 is located in confined space, it is no longer gauged or sampled

Groundwater Flow Direction
(1Q00 to 3Q05)

S-1
FL = 19.12' MH
S-10
15.04
(<0.500/<0.500, 09-Feb-06)
former UST
former dispenser islands and fuel lines
Former Shell Station
S-9
14.42
(0.940/<0.500, 09-Feb-06)
S-8
15.32
(2.79/<0.500, 09-Feb-06)
S-5*
(300/<13, 13-Jul-04)
freight elevator
Storm drain inlet
S-6
10.76
(24,800)
(<25.0)
S-4
14.89
(<0.500/<0.500, 09-Feb-06)
Former Chevron Station
BROADWAY
6TH STREET
7TH SRTEET
8TH STREET
FL = 17.00'
FL = 13.27'
FL = 17.50'
FL = 13.90'
FL = 13.25'
FL = 16.50'
FH
12
13
14
15

0 25 50 100
Scale (ft)

Groundwater Contour/ Chemical Concentration Map

May 15, 2006

CAMBRIA

Former Shell Service Station
461 8th Street
Oakland, California

FIGURE
2

1501

Appendix A

Blaine Tech Services, Inc.
Groundwater Monitoring Report

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

June 14, 2006

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Second Quarter 2006 Groundwater Monitoring at
Shell-branded Service Station
9 Orinda Way
Orinda, CA

Monitoring performed on May 15, 2006

Groundwater Monitoring Report **060515-WC-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 Shell Martinez Manufacturing Complex.

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,

Mike Ninokata
Project Coordinator

MN/ks

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

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

WELL CONCENTRATIONS
Shell-branded Service Station
9 Orinda Way
Orinda, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
S-1	12/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	467.67	28.13	439.54
S-1	12/22/1999	300	146 a	8.69	0.744	<0.500	0.534	13.2	18.8	NA	NA	NA	NA	467.67	26.86	440.81
S-1	02/10/2000	245	126 a	20.1	0.629	<0.500	<0.500	49.8	NA	NA	NA	NA	NA	467.67	26.92	440.75
S-1	05/01/2000	249	187 a	4.48	1.20	<0.500	0.851	65.9	NA	NA	NA	NA	NA	467.67	28.01	439.66
S-1	08/01/2000	<50.0	94.8 a	<0.500	<0.500	<0.500	<0.500	56.3	NA	NA	NA	NA	NA	467.67	28.54	439.13
S-1	11/10/2000	286	234 a	19.6	0.802	<0.500	0.637	28.8	NA	NA	NA	NA	NA	467.67	28.17	439.50
S-1	02/14/2001	170	<100	22	1.5	<0.5	0.8	NA	9.8	NA	NA	NA	NA	467.67	25.95	441.72
S-1	06/04/2001	76	<100	<0.50	<0.50	<0.50	<0.50	NA	7.7	NA	NA	NA	NA	467.67	27.94	439.73
S-1	08/10/2001	370	820	0.82	0.65	<0.50	0.68	NA	65	NA	NA	NA	NA	467.67	28.60	439.07
S-1	12/27/2001	670	190	3.5	0.96	<0.50	0.61	NA	<5.0	NA	NA	NA	NA	467.67	27.37	440.30
S-1	02/05/2002	390	<100	1.6	0.80	<0.50	0.71	NA	<5.0	NA	NA	NA	NA	467.72	27.17	440.55
S-1	05/22/2002	470	80	4.3	9.6	<0.50	5.8	NA	9.8	NA	NA	NA	NA	467.72	27.79	439.93
S-1	08/16/2002	840	<200	6.7	1.3	<0.50	1.2	NA	16	NA	NA	NA	NA	467.72	27.93	439.79
S-1	11/22/2002	830	<200	13	1.9	<0.50	1.5	NA	8.1	NA	NA	NA	NA	467.72	27.87	439.85
S-1	02/19/2003	1200	<300	0.83	1.3	<0.50	1.3	NA	7.9	NA	NA	NA	NA	467.72	27.34	440.38
S-1	05/15/2003	220	53 c	4.7	15	5.0	28	NA	24	NA	NA	NA	NA	467.72	27.17	440.55
S-1	08/14/2003	300 c	d	<0.50	0.60	<0.50	<1.0	NA	25	NA	NA	NA	NA	467.72	27.99	439.73
S-1	09/17/2003	NA	100 c	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	467.72	27.15	440.57
S-1	11/11/2003	410 c	260 c	<1.0	<1.0	<1.0	<2.0	NA	19	NA	NA	NA	NA	467.72	28.04	439.68
S-1	01/23/2004	890	200 c	<1.0	1.2	<1.0	<2.0	NA	41	NA	NA	NA	NA	467.72	27.00	440.72
S-1	04/21/2004	590	220 c	<0.50	0.55	<0.50	<1.0	NA	33	NA	NA	NA	NA	467.72	27.15	440.57
S-1	08/23/2004	330 c	180 e	<0.50	<0.50	<0.50	<1.0	NA	170	<2.0	<2.0	<2.0	<5.0	467.72	27.85	439.87
S-1	12/08/2004	330 f	210 e	<0.50	<0.50	<0.50	<1.0	NA	41	NA	NA	NA	NA	467.72	27.20	440.52
S-1	02/10/2005	290	180 e	<0.50	<0.50	<0.50	<1.0	NA	29	NA	NA	NA	NA	467.72	26.64	441.08
S-1	05/16/2005	260	85 e	<0.50	<0.50	<0.50	<1.0	NA	34	NA	NA	NA	NA	467.72	26.40	441.32
S-1	08/02/2005	220	120 c	<0.50	<0.50	<0.50	<1.0	NA	52	<2.0	<2.0	<2.0	<5.0	467.72	27.05	440.67
S-1	12/01/2005	450	140 e	<0.50	<0.50	<0.50	<1.0	NA	18	NA	NA	NA	NA	467.72	26.70	441.02
S-1	02/16/2006	1330	283	<0.500	<0.500	<0.500	<0.500	NA	5.50	NA	NA	NA	NA	467.72	26.22	441.50

WELL CONCENTRATIONS
Shell-branded Service Station
9 Orinda Way
Orinda, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
S-1	**05/15/2006**	**666**	**203 g**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**NA**	**8.63**	**NA**	**NA**	**NA**	**NA**	**467.72**	**25.95**	**441.77**
S-2	12/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	465.79	18.35	447.44
S-2	12/22/1999	3740	1490 a	49.1	16.4	106	13.1	1200	1790	NA	NA	NA	NA	465.79	18.55	447.24
S-2	02/10/2000	4650	190 a	14.3	<10.0	118	<10.0	281	NA	NA	NA	NA	NA	465.79	17.35	448.44
S-2	05/01/2000	4790	931 a	298	15.6	93.2	5.15	290	229 b	NA	NA	NA	NA	465.79	18.23	447.56
S-2	08/01/2000	3990	1640 a	147	<10.0	64.0	<10.0	2370	2590	NA	NA	NA	NA	465.79	18.32	447.47
S-2	11/10/2000	1640	1630 a	51.8	6.30	11.3	<5.00	437	177 b	NA	NA	NA	NA	465.79	18.07	447.72
S-2	02/14/2001	2000	910	310	4.2	3.9	4.7	NA	360	NA	NA	NA	NA	465.79	16.88	448.91
S-2	06/04/2001	1900	<800	230	2.6	8.4	<2.0	NA	420	NA	NA	NA	NA	465.79	17.98	447.81
S-2	08/10/2001	5500	<700	170	5.1	54	5.1	NA	1800	NA	NA	NA	NA	465.79	18.27	447.52
S-2	12/27/2001	3100	<800	490	7.0	12	4.0	NA	580	NA	NA	NA	NA	465.79	17.52	448.27
S-2	02/05/2002	3500	<600	350	5.7	14	4.3	NA	960	NA	NA	NA	NA	465.83	17.49	448.34
S-2	05/22/2002	3400	<600	260	4.8	11	3.6	NA	790	NA	NA	NA	NA	465.83	17.10	448.73
S-2	08/16/2002	3100	<800	160	3.8	9.5	3.7	NA	76	NA	NA	NA	NA	465.83	17.17	448.66
S-2	11/22/2002	3200	<900	170	4.0	2.6	4.1	NA	150	NA	NA	NA	NA	465.83	17.72	448.11
S-2	02/19/2003	3200	<1300	170	3.8	4.7	3.1	NA	140	NA	NA	NA	NA	465.83	17.36	448.47
S-2	05/15/2003	74 c	1000 c	2.5	<0.50	<0.50	<1.0	NA	<5.0	NA	NA	NA	NA	465.83	17.56	448.27
S-2	08/14/2003	4500 c	d	370	<10	<10	<20	NA	190	NA	NA	NA	NA	465.83	17.60	448.23
S-2	09/17/2003	NA	960 c	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	465.83	17.42	448.41
S-2	11/11/2003	3200	1100 c	170	3.2	5.2	<5.0	NA	35	NA	NA	NA	NA	465.83	17.23	448.60
S-2	01/23/2004	6000	860 c	110	<5.0	23	<10	NA	6.9	NA	NA	NA	NA	465.83	16.05	449.78
S-2	04/21/2004	3700	1200 c	36	<5.0	<5.0	<10	NA	44	NA	NA	NA	NA	465.83	17.63	448.20
S-2	08/23/2004	4900	1400 e	73	5.3	5.7	<10	NA	1000	<20	<20	<20	71	465.83	18.05	447.78
S-2	12/08/2004	4700	1100 e	72	<5.0	14	<10	NA	8.3	NA	NA	NA	NA	465.83	16.45	449.38
S-2	02/10/2005	4500	1100 e	58	<5.0	<5.0	<10	NA	37	NA	NA	NA	NA	465.83	17.52	448.31
S-2	05/16/2005	3800	1000 e	60	<2.5	<2.5	<5.0	NA	110	NA	NA	NA	NA	465.83	17.48	448.35
S-2	08/02/2005	2200	820 e	28	<2.5	<2.5	<5.0	NA	140	<10	<10	<10	110	465.83	17.76	448.07

WELL CONCENTRATIONS
Shell-branded Service Station
9 Orinda Way
Orinda, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
S-2	12/01/2005	2200	860 e	21	<2.5	<2.5	<5.0	NA	410	NA	NA	NA	NA	465.83	17.50	448.33
S-2	02/16/2006	<50.0	1330	149	<0.500	<0.500	<0.500	NA	127	NA	NA	NA	NA	465.83	17.46	448.37
S-2	**05/15/2006**	**6610**	**948 g**	**137**	**1.48**	**1.09**	**<0.500**	**NA**	**129**	**NA**	**NA**	**NA**	**NA**	**465.83**	**17.50**	**448.33**
S-3	12/20/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	465.26	29.15	436.11
S-3	12/22/1999	<50.0	112 a	<0.500	<0.500	<0.500	<0.500	14.5	20.2	NA	NA	NA	NA	465.26	29.00	436.26
S-3	02/10/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	8.46	NA	NA	NA	NA	NA	465.26	28.60	436.66
S-3	05/01/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	10.6	NA	NA	NA	NA	NA	465.26	28.65	436.61
S-3	08/01/2000	<50.0	57.3 a	<0.500	<0.500	<0.500	<0.500	6.91	NA	NA	NA	NA	NA	465.26	28.66	436.60
S-3	11/10/2000	<50.0	115 a	<0.500	<0.500	<0.500	<0.500	8.62	NA	NA	NA	NA	NA	465.26	28.75	436.51
S-3	02/14/2001	<50	<100	0.7	<0.5	<0.5	<0.6	NA	13	NA	NA	NA	NA	465.26	28.66	436.60
S-3	06/04/2001	<50	84	<0.50	<0.50	<0.50	<0.50	NA	17	NA	NA	NA	NA	465.26	28.62	436.64
S-3	08/10/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	18	NA	NA	NA	NA	465.26	29.00	436.26
S-3	12/27/2001	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	17	NA	NA	NA	NA	465.26	29.17	436.09
S-3	02/05/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	465.29	28.92	436.37
S-3	05/22/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	19	NA	NA	NA	NA	465.29	28.89	436.40
S-3	08/16/2002	<50	98	<0.50	<0.50	<0.50	<0.50	NA	17	NA	NA	NA	NA	465.29	28.84	436.45
S-3	11/22/2002	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	16	NA	NA	NA	NA	465.29	29.02	436.27
S-3	02/19/2003	<50	<50	<0.50	<0.50	<0.50	<0.50	NA	21	NA	NA	NA	NA	465.29	28.67	436.62
S-3	05/15/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	21	NA	NA	NA	NA	465.29	29.02	436.27
S-3	08/14/2003	<50	d	<0.50	<0.50	<0.50	<1.0	NA	20	NA	NA	NA	NA	465.29	29.47	435.82
S-3	09/17/2003	NA	<50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	465.29	29.07	436.22
S-3	11/11/2003	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	25	NA	NA	NA	NA	465.29	29.11	436.18
S-3	01/23/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	50	NA	NA	NA	NA	465.29	29.29	436.00
S-3	04/21/2004	<50	150 c	<0.50	<0.50	<0.50	<1.0	NA	35	NA	NA	NA	NA	465.29	29.45	435.84
S-3	08/23/2004	<50	87 c	<0.50	<0.50	<0.50	<1.0	NA	45	<2.0	<2.0	<2.0	<5.0	465.29	29.51	435.78
S-3	12/08/2004	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	23	NA	NA	NA	NA	465.29	29.29	436.00
S-3	02/10/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	33	NA	NA	NA	NA	465.29	29.70	435.59

WELL CONCENTRATIONS
Shell-branded Service Station
9 Orinda Way
Orinda, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
S-3	05/16/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	30	NA	NA	NA	NA	465.29	29.67	435.62
S-3	08/02/2005	<50	86 c	<0.50	<0.50	<0.50	<1.0	NA	65	<2.0	<2.0	<2.0	7.9	465.29	29.30	435.99
S-3	12/01/2005	<50	<50	<0.50	<0.50	<0.50	<1.0	NA	60	NA	NA	NA	NA	465.29	29.49	435.80
S-3	02/16/2006	<50.0	57.7	<0.500	<0.500	<0.500	<0.500	NA	57.4	NA	NA	NA	NA	465.29	29.39	435.90
S-3	**05/15/2006**	**<50.0**	**88.6 g**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**NA**	**64.0**	**NA**	**NA**	**NA**	**NA**	**465.29**	**29.58**	**435.71**

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to June 4, 2001, analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to June 4, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B

ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B

TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B

TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B

TOC = Top of Casing Elevation

GW = Groundwater

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

<n = Below detection limit

NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
9 Orinda Way
Orinda, 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)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Notes:

a = Chromatogram pattern indicated an unidentified hydrocarbon.

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

c = Hydrocarbon does not match pattern of laboratory's standard.

d = Data not included due to out of hold time extraction.

e = Hydrocarbon reported is in the early Diesel range and does not match the laboratory's standard.

f = Quantity of unknown hydrorcarbons in sample based on gasoline.

g = Diesel with silica gel clean-up.

Site was surveyed January 27, 2000 by Virgil Chavez Land Surveying of Vallejo, CA.

Site was surveyed January 25, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

June 01, 2006

Client: Cambria Env. Tech. (Sonoma) / SHELL (13674)
270 Perkins Street
Sonoma, CA 95476
Attn: Dennis Baertschi

Work Order: NPE2770
Project Name: 9 Orinda Way, Orinda, CA
Project Nbr: SAP 135716
P/O Nbr: 98995774
Date Received: 05/18/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
S-1	NPE2770-01	05/15/06 11:00
S-2	NPE2770-02	05/15/06 10:40
S-3	NPE2770-03	05/15/06 09:10

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

Report Approved By:

Jim Hatfield
Project Management

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Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPE2770-01 (S-1 - Water) Sampled: 05/15/06 11:00								
General Chemistry Parameters								
Total Dissolved Solids	**810**		mg/L	100	1	05/20/06 20:31	EPA 160.1	6054075
Total Metals by EPA Method 6010B								
Iron	**2.03**		mg/L	0.0500	1	05/24/06 12:21	SW846 6010B	6054431
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	0.500	1	05/26/06 06:34	SW846 8260B	6055082
Ethylbenzene	ND		ug/L	0.500	1	05/26/06 06:34	SW846 8260B	6055082
Methyl tert-Butyl Ether	**8.63**		ug/L	0.500	1	05/26/06 06:34	SW846 8260B	6055082
Toluene	ND		ug/L	0.500	1	05/26/06 06:34	SW846 8260B	6055082
Xylenes, total	ND		ug/L	0.500	1	05/26/06 06:34	SW846 8260B	6055082
Surr: 1,2-Dichloroethane-d4 (70-130%)	*109 %*					*05/26/06 06:34*	*SW846 8260B*	*6055082*
Surr: Dibromofluoromethane (79-122%)	*127 %*	*Z10*				*05/26/06 06:34*	*SW846 8260B*	*6055082*
Surr: Toluene-d8 (78-121%)	*94 %*					*05/26/06 06:34*	*SW846 8260B*	*6055082*
Surr: 4-Bromofluorobenzene (78-126%)	*95 %*					*05/26/06 06:34*	*SW846 8260B*	*6055082*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	**666**		ug/L	50.0	1	05/26/06 06:34	CA LUFT GC/MS	6055082
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	**203**		ug/L	49.5	1	05/22/06 17:45	SW846 8015B	6054110
Surr: o-Terphenyl (55-150%)	*72 %*					*05/22/06 17:45*	*SW846 8015B*	*6054110*
Sample ID: NPE2770-02 (S-2 - Water) Sampled: 05/15/06 10:40								
General Chemistry Parameters								
Total Dissolved Solids	**700**		mg/L	100	1	05/20/06 20:31	EPA 160.1	6054075
Total Metals by EPA Method 6010B								
Iron	**10.0**		mg/L	0.0500	1	05/24/06 12:26	SW846 6010B	6054431
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	**137**		ug/L	0.500	1	05/26/06 07:01	SW846 8260B	6055082
Ethylbenzene	**1.09**		ug/L	0.500	1	05/26/06 07:01	SW846 8260B	6055082
Methyl tert-Butyl Ether	**129**		ug/L	0.500	1	05/26/06 07:01	SW846 8260B	6055082
Toluene	**1.48**		ug/L	0.500	1	05/26/06 07:01	SW846 8260B	6055082
Xylenes, total	ND		ug/L	0.500	1	05/26/06 07:01	SW846 8260B	6055082
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*05/26/06 07:01*	*SW846 8260B*	*6055082*
Surr: Dibromofluoromethane (79-122%)	*97 %*					*05/26/06 07:01*	*SW846 8260B*	*6055082*
Surr: Toluene-d8 (78-121%)	*96 %*					*05/26/06 07:01*	*SW846 8260B*	*6055082*
Surr: 4-Bromofluorobenzene (78-126%)	*98 %*					*05/26/06 07:01*	*SW846 8260B*	*6055082*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	**6610**		ug/L	50.0	1	05/26/06 07:01	CA LUFT GC/MS	6055082
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	**948**		ug/L	49.5	1	05/22/06 18:02	SW846 8015B	6054110
Surr: o-Terphenyl (55-150%)	*74 %*					*05/22/06 18:02*	*SW846 8015B*	*6054110*

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Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPE2770-03 (S-3 - Water) Sampled: 05/15/06 09:10								
General Chemistry Parameters								
Total Dissolved Solids	**730**		mg/L	100	1	05/20/06 20:31	EPA 160.1	6054075
Total Metals by EPA Method 6010B								
Iron	**6.22**		mg/L	0.0500	1	05/24/06 12:31	SW846 6010B	6054431
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	0.500	1	05/26/06 07:29	SW846 8260B	6055082
Ethylbenzene	ND		ug/L	0.500	1	05/26/06 07:29	SW846 8260B	6055082
Methyl tert-Butyl Ether	**64.0**		ug/L	0.500	1	05/26/06 07:29	SW846 8260B	6055082
Toluene	ND		ug/L	0.500	1	05/26/06 07:29	SW846 8260B	6055082
Xylenes, total	ND		ug/L	0.500	1	05/26/06 07:29	SW846 8260B	6055082
Surr: 1,2-Dichloroethane-d4 (70-130%)	*107 %*					*05/26/06 07:29*	*SW846 8260B*	*6055082*
Surr: Dibromofluoromethane (79-122%)	*99 %*					*05/26/06 07:29*	*SW846 8260B*	*6055082*
Surr: Toluene-d8 (78-121%)	*92 %*					*05/26/06 07:29*	*SW846 8260B*	*6055082*
Surr: 4-Bromofluorobenzene (78-126%)	*98 %*					*05/26/06 07:29*	*SW846 8260B*	*6055082*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	05/26/06 07:29	CA LUFT GC/MS	6055082
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	**88.6**		ug/L	49.5	1	05/22/06 18:18	SW846 8015B	6054110
Surr: o-Terphenyl (55-150%)	*77 %*					*05/22/06 18:18*	*SW846 8015B*	*6054110*

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	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons with Silica Gel Treatment							
SW846 8015B	6054110	NPE2770-01	1010.00	1.00	05/20/06 10:30	DRH	EPA 3510C
SW846 8015B	6054110	NPE2770-02	1010.00	1.00	05/20/06 10:30	DRH	EPA 3510C
SW846 8015B	6054110	NPE2770-03	1010.00	1.00	05/20/06 10:30	DRH	EPA 3510C
Total Metals by EPA Method 6010B							
SW846 6010B	6054431	NPE2770-01	50.00	50.00	05/22/06 13:20	AMB	EPA 3010A
SW846 6010B	6054431	NPE2770-02	50.00	50.00	05/22/06 13:20	AMB	EPA 3010A
SW846 6010B	6054431	NPE2770-03	50.00	50.00	05/22/06 13:20	AMB	EPA 3010A

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Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
6054075-BLK1						
Total Dissolved Solids	<5.00		mg/L	6054075	6054075-BLK1	05/20/06 20:31
Total Metals by EPA Method 6010B						
6054431-BLK1						
Iron	<0.0320		mg/L	6054431	6054431-BLK1	05/24/06 11:50
Selected Volatile Organic Compounds by EPA Method 8260B						
6055082-BLK1						
Benzene	<0.200		ug/L	6055082	6055082-BLK1	05/26/06 01:30
Ethylbenzene	<0.200		ug/L	6055082	6055082-BLK1	05/26/06 01:30
Methyl tert-Butyl Ether	<0.200		ug/L	6055082	6055082-BLK1	05/26/06 01:30
Toluene	<0.200		ug/L	6055082	6055082-BLK1	05/26/06 01:30
Xylenes, total	<0.350		ug/L	6055082	6055082-BLK1	05/26/06 01:30
Surrogate: 1,2-Dichloroethane-d4	107%			6055082	6055082-BLK1	05/26/06 01:30
Surrogate: Dibromofluoromethane	98%			6055082	6055082-BLK1	05/26/06 01:30
Surrogate: Toluene-d8	95%			6055082	6055082-BLK1	05/26/06 01:30
Surrogate: 4-Bromofluorobenzene	95%			6055082	6055082-BLK1	05/26/06 01:30
Purgeable Petroleum Hydrocarbons						
6055082-BLK1						
Gasoline Range Organics	<50.0		ug/L	6055082	6055082-BLK1	05/26/06 01:30
Surrogate: 1,2-Dichloroethane-d4	107%			6055082	6055082-BLK1	05/26/06 01:30
Surrogate: Dibromofluoromethane	98%			6055082	6055082-BLK1	05/26/06 01:30
Surrogate: Toluene-d8	95%			6055082	6055082-BLK1	05/26/06 01:30
Surrogate: 4-Bromofluorobenzene	95%			6055082	6055082-BLK1	05/26/06 01:30
Extractable Petroleum Hydrocarbons with Silica Gel Treatment						
6054110-BLK2						
Diesel	33.3		ug/L	6054110	6054110-BLK2	05/24/06 09:07
Surrogate: o-Terphenyl	112%			6054110	6054110-BLK2	05/24/06 09:07

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Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
6054075-DUP1									
Total Dissolved Solids	530	555		mg/L	5	20	6054075	NPE2708-01	05/20/06 20:31

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Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
6054075-BS1								
Total Dissolved Solids	100	95.0		ug/mL	95%	90 - 110	6054075	05/20/06 20:31
Total Metals by EPA Method 6010B								
6054431-BS1								
Iron	1.00	0.967		mg/L	97%	80 - 120	6054431	05/24/06 11:55
Selected Volatile Organic Compounds by EPA Method 8260B								
6055082-BS1								
Benzene	50.0	52.6		ug/L	105%	79 - 123	6055082	05/26/06 00:34
Ethylbenzene	50.0	54.4		ug/L	109%	79 - 125	6055082	05/26/06 00:34
Methyl tert-Butyl Ether	50.0	55.8		ug/L	112%	66 - 142	6055082	05/26/06 00:34
Toluene	50.0	53.8		ug/L	108%	78 - 122	6055082	05/26/06 00:34
Xylenes, total	150	155		ug/L	103%	79 - 130	6055082	05/26/06 00:34
Surrogate: 1,2-Dichloroethane-d4	50.0	49.4			99%	70 - 130	6055082	05/26/06 00:34
Surrogate: Dibromofluoromethane	50.0	49.6			99%	79 - 122	6055082	05/26/06 00:34
Surrogate: Toluene-d8	50.0	48.8			98%	78 - 121	6055082	05/26/06 00:34
Surrogate: 4-Bromofluorobenzene	50.0	44.2			88%	78 - 126	6055082	05/26/06 00:34
Purgeable Petroleum Hydrocarbons								
6055082-BS1								
Gasoline Range Organics	3050	2790		ug/L	91%	67 - 130	6055082	05/26/06 00:34
Surrogate: 1,2-Dichloroethane-d4	50.0	49.4			99%	70 - 130	6055082	05/26/06 00:34
Surrogate: Dibromofluoromethane	50.0	49.6			99%	70 - 130	6055082	05/26/06 00:34
Surrogate: Toluene-d8	50.0	48.8			98%	70 - 130	6055082	05/26/06 00:34
Surrogate: 4-Bromofluorobenzene	50.0	44.2			88%	70 - 130	6055082	05/26/06 00:34
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
6054110-BS1								
Diesel	1000	815		ug/L	82%	49 - 118	6054110	05/22/06 17:29
Surrogate: o-Terphenyl	20.0	16.4			82%	55 - 150	6054110	05/22/06 17:29

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Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters												
6054075-BSD1												
Total Dissolved Solids		106		ug/mL	100	106%	90 - 110	11	20	6054075		05/20/06 20:31

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Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Total Metals by EPA Method 6010B										
6054431-MS1										
Iron	0.358	1.35		mg/L	1.00	99%	75 - 125	6054431	NPE2831-05	05/24/06 13:41
Selected Volatile Organic Compounds by EPA Method 8260B										
6055082-MS1										
Benzene	ND	53.3		ug/L	50.0	107%	71 - 137	6055082	NPE2770-01	05/26/06 11:10
Ethylbenzene	ND	54.0		ug/L	50.0	108%	72 - 139	6055082	NPE2770-01	05/26/06 11:10
Methyl tert-Butyl Ether	8.63	70.0		ug/L	50.0	123%	55 - 152	6055082	NPE2770-01	05/26/06 11:10
Toluene	ND	52.2		ug/L	50.0	104%	73 - 133	6055082	NPE2770-01	05/26/06 11:10
Xylenes, total	ND	152		ug/L	150	101%	70 - 143	6055082	NPE2770-01	05/26/06 11:10
Surrogate: 1,2-Dichloroethane-d4		51.1		ug/L	50.0	102%	70 - 130	6055082	NPE2770-01	05/26/06 11:10
Surrogate: Dibromofluoromethane		47.8		ug/L	50.0	96%	79 - 122	6055082	NPE2770-01	05/26/06 11:10
Surrogate: Toluene-d8		47.4		ug/L	50.0	95%	78 - 121	6055082	NPE2770-01	05/26/06 11:10
Surrogate: 4-Bromofluorobenzene		43.6		ug/L	50.0	87%	78 - 126	6055082	NPE2770-01	05/26/06 11:10
Purgeable Petroleum Hydrocarbons										
6055082-MS1										
Gasoline Range Organics	666	3130		ug/L	3050	81%	60 - 140	6055082	NPE2770-01	05/26/06 11:10
Surrogate: 1,2-Dichloroethane-d4		51.1		ug/L	50.0	102%	0 - 200	6055082	NPE2770-01	05/26/06 11:10
Surrogate: Dibromofluoromethane		47.8		ug/L	50.0	96%	0 - 200	6055082	NPE2770-01	05/26/06 11:10
Surrogate: Toluene-d8		47.4		ug/L	50.0	95%	0 - 200	6055082	NPE2770-01	05/26/06 11:10
Surrogate: 4-Bromofluorobenzene		43.6		ug/L	50.0	87%	0 - 200	6055082	NPE2770-01	05/26/06 11:10

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Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
6054431-MSD1												
Iron	0.358	1.35		mg/L	1.00	99%	75 - 125	0	20	6054431	NPE2831-05	05/24/06 13:46
Selected Volatile Organic Compounds by EPA Method 8260B												
6055082-MSD1												
Benzene	ND	54.2		ug/L	50.0	108%	71 - 137	2	23	6055082	NPE2770-01	05/26/06 11:38
Ethylbenzene	ND	55.0		ug/L	50.0	110%	72 - 139	2	23	6055082	NPE2770-01	05/26/06 11:38
Methyl tert-Butyl Ether	8.63	73.8		ug/L	50.0	130%	55 - 152	5	27	6055082	NPE2770-01	05/26/06 11:38
Toluene	ND	52.9		ug/L	50.0	106%	73 - 133	1	25	6055082	NPE2770-01	05/26/06 11:38
Xylenes, total	ND	154		ug/L	150	103%	70 - 143	1	27	6055082	NPE2770-01	05/26/06 11:38
Surrogate: 1,2-Dichloroethane-d4		50.0		ug/L	50.0	100%	70 - 130			6055082	NPE2770-01	05/26/06 11:38
Surrogate: Dibromofluoromethane		47.5		ug/L	50.0	95%	79 - 122			6055082	NPE2770-01	05/26/06 11:38
Surrogate: Toluene-d8		47.5		ug/L	50.0	95%	78 - 121			6055082	NPE2770-01	05/26/06 11:38
Surrogate: 4-Bromofluorobenzene		44.3		ug/L	50.0	89%	78 - 126			6055082	NPE2770-01	05/26/06 11:38
Purgeable Petroleum Hydrocarbons												
6055082-MSD1												
Gasoline Range Organics	666	3210		ug/L	3050	83%	60 - 140	3	40	6055082	NPE2770-01	05/26/06 11:38
Surrogate: 1,2-Dichloroethane-d4		50.0		ug/L	50.0	100%	0 - 200			6055082	NPE2770-01	05/26/06 11:38
Surrogate: Dibromofluoromethane		47.5		ug/L	50.0	95%	0 - 200			6055082	NPE2770-01	05/26/06 11:38
Surrogate: Toluene-d8		47.5		ug/L	50.0	95%	0 - 200			6055082	NPE2770-01	05/26/06 11:38
Surrogate: 4-Bromofluorobenzene		44.3		ug/L	50.0	89%	0 - 200			6055082	NPE2770-01	05/26/06 11:38

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	California
CA LUFT GC/MS	Water			X
EPA 160.1	Water	N/A	X	X
NA	Water			
SW846 8015B	Water			
SW846 6010B	Water	N/A	X	X
SW846 8260B	Water	N/A	X	X

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte
CA LUFT GC/MS	Water	Gasoline Range Organics
SW846 8015B	Water	Diesel

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Cambria Env. Tech. (Sonoma) / SHELL (13674)	Work Order:	NPE2770
	270 Perkins Street	Project Name:	9 Orinda Way, Orinda, CA
	Sonoma, CA 95476	Project Number:	SAP 135716
Attn	Dennis Baertschi	Received:	05/18/06 07:55

DATA QUALIFIERS AND DEFINITIONS

Z10 Surrogate outside laboratory historical limits but within method guidelines. No effect on data.

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** NPE2770

Cooler Received/Opened On: May 18, 2006 @ 07:55

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 7988

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 2.2 **Degrees Celsius**
(indicate IR Gun ID#)

NA A00466 A00750 (A01124) 100190 101282 Raynger ST

3. Were custody seals on outside of cooler?..... (YES)...NO...NA

a. If yes, how many and where: 1-FR TOP

4. Were the seals intact, signed, and dated correctly?..... (YES)...NO...NA

5. Were custody papers inside cooler?..... YES...(NO)...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... BC

6. Were custody seals on containers: YES NO and Intact YES NO (NA)

were these signed, and dated correctly?..... YES...NO...(NA)

7. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)...NO...NA

11. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA

12. a. Were VOA vials received?..... (YES)...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...(NO)...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... [signature]

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used..... (YES)...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... [signature]

15. Were custody papers properly filled out (ink, signed, etc)?..... (YES)...NO...NA

16. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA

17. Were correct containers used for the analysis requested?..... (YES)...NO...NA

18. Was sufficient amount of sample sent in each container?..... (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... [signature]

I certify that I attached a label with the unique LIMS number to each container (intial)..... [signature]

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #_____

BIS = Broken in shipment

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#**

Cooler Received/Opened On: May 18, 2006 @ 07:55

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 8433 8043

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: -0.2 Degrees Celsius (indicate IR Gun ID#)

NA A00466 A00750 (A01124) 100190 101282 Raynger ST

3. Were custody seals on outside of cooler?..... (YES)...NO...NA

a. If yes, how many and where: 2 - TOP

4. Were the seals intact, signed, and dated correctly?..... (YES)...NO...NA

5. Were custody papers inside cooler?..... (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... DW

6. Were custody seals on containers: YES NO and Intact YES NO (NA)

were these signed, and dated correctly?..... YES...NO...(NA)

7. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)...NO...NA

11. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA

12. a. Were VOA vials received?..... (YES)...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...(NO)...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... [signature]

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used..... (YES)...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... [signature]

15. Were custody papers properly filled out (ink, signed, etc)?..... (YES)...NO...NA

16. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA

17. Were correct containers used for the analysis requested?..... (YES)...NO...NA

18. Was sufficient amount of sample sent in each container?..... (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... [signature]

I certify that I attached a label with the unique LIMS number to each container (intial)..... [signature]

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #_____

BIS = Broken in shipment

LAB: (Test America) STL Other:___

NPE2770

06/01/06 23:59

SHELL Chain Of Custody Record

Lab Identification (if necessary):

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Nashville, Tennesee
- ☐ STL
- ☐ Other (location)________

Shell Project Manager to be invoiced:

- ☑ ENVIRONMENTAL SERVICES
- ☐ TECHNICAL SERVICES
- ☐ CRMT HOUSTON

Denis Brown

☐ NOT FOR ENV. REMEDIATION - NO ETIM - SEND PAPER INVOICE

INCIDENT NUMBER (ES ONLY): 9 8 9 9 5 7 7 4

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

DATE: 5/15/06

PAGE: 1 of 1

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Blaine Tech Services	BTSS	9 Orinda Way, Orinda	CA	T0601300707

ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112

EDF DELIVERABLE & ADDITIONAL PDF REPORT TO (Responsible Party or Designee): Dennis Baertschi, Cambria, Eureka

PHONE NO.: (707) 268-3813

E-MAIL: sonomaedf@cambria-env.com

CONSULTANT PROJECT NO.: 060515-WC-1

BTS #

PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata

SAMPLER NAME(S) (Print): Will Crow / Dennis Mankowski

LAB USE ONLY

TELEPHONE: 408-573-0555 FAX: 408-573-7771 E-MAIL: mninokata@blainetech.com

TURNAROUND TIME (STANDARD IS 10 CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ 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 ☐

RECEIPT VERIFICATION REQUESTED ☑

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Diesel, Extractable (8015m)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)		TDS (160.1)	Total Iron (6010B)					FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	S-1	5/15/06	1100	H_2O	7	X	X	X		X										X	X					NPE2770-01
	S-2	↓	1040	↓	↓	X	X	X		X										X	X					2
	S-3	↓	0910	↓	↓	X	X	X		X										X	X					3

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Will Crow	(sample custodian)	5/15/06	1705
Sample Custodian	[signature]	5/16/06	1525
[signature]	[signature]	5/16/06	1610

DISTRIBUTION: [signature] 5/17/06 5/19/06 S.W

10/16/00 Revision

Q&Q Graphic (714) 898-9702

WELLHEAD INSPECTION CHECKLIST

Client Shell Date 5/15/06

Site Address 9 Orinda Way, Orinda

Job Number 060515-WC-1 Technician WH

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
S-1	X									
S-2	X									
S-3				X						

NOTES:

SITE INSPECTION CHECKLIST

Client Shell Date 3-23-06

Site Address 9 Orinda Way

Job Number 060323AA2 Technician Andrew Adinolfi

Site Status Shell Branded Station Vacant Lot Other

Inspected / Labeled / Cleaned - All Wells on Scope Of Work	☒	
Inspected / Cleaned Components - All Other Identifiable Wells	☐	N/A
Inspected Site for Investigation Related Trip Hazards	☒	
Addressed All Outstanding Wellhead Repair Order(s)	☒	N/A
Completed Repair Data Sheets(s)	☒	N/A
Inspected Treatment / Remediation System Compound For Security, Cleanliness and Appearance	☐	N/A
Inspected Vacant Lot for Signs of Habitation, Hazardous Materials or Terrain, Overgrown Vegetation and Security	☐	N/A

PLEASE BE ADVISED THAT, UNLESS OTHERWISE INSTRUCTED, NO REPAIRS ARE PLANNED FOR THE ISSUES DESCRIBED BELOW

Outstanding Problems / Comments (In addition to other issues, note all SOW wellboxes that, by design, are not securable)

1 drum labeled Gasoline Mixture on site, consultant Debbie Watt (408) 971-8445

PROJECT COORDINATOR ONLY

Checklist Reviewed 3/23 Initial/Date Notes

Repair Data Sheet

Client Shell Date 3-23-06

Site Address 9 Orinda Way, Orinda

Job Number 060323A12 Technician Andrew Adinolfi

Inspection Point (Well ID or description of location)	Well Inspected, Cleaned, Labeled - No Further Corrective Action Required	Replaced Cap	Replaced Lock	Replaced Lid Seal	Check Indicates deficiency: Casing	Annular Seal	Tabs / Bolts	Box Structure	Apron	Trip Hazard	Below Grade	Not Securable by Design (12" diameter or less)	Lid not marked with words "MONITORING WELL"	Other Deficiency	Not Securable by Design (greater than 12" diameter)	Well Not Inspected (explain in notes)	Deficiency Logged on Repair Order	Deficiency Remains Uncorrected/Logged on Site Inspection Checklist	Partial Repair Completed/Outstanding Deficiency Logged on Repair Order	All Repairs Completed
S-1		X	X																	X
Notes: Tag well Replaced with modified cap to seal casing																				
S-2																				X
Notes: Tag well																				
S-3																				X
Notes: Tag well																				
Notes:																				
Notes:																				
Notes:																				

WELL GAUGING DATA

Project # 060515-WC-1 Date 5/15/05 Client Shell

Site 9 Orinda Way, Orinda

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-1	3					25.95	52.15		
S-2	~~2~~					17.50	27.73		
S-3	~~2~~					29.58	32.39	↓	

SHELL WELL MONITORING DATA SHEET

BTS #: 060515-WC-1	Site: 9 Orinda Way, Orinda
Sampler: WC / DM	Date: 5/15/08
Well I.D.: S-1	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth (TD): 52.15	Depth to Water (DTW): 25.95
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]: 31.19	

Purge Method: Bailer / Disposable Bailer / (Positive Air Displacement) / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ___

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

9.7 (Gals.) X 3 = 29.1 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
0950	66.4	6.9	1294	36	9.7	clear/odor
1002	65.9	6.8	1304	29	19.4	↓
1014	65.5	6.8	1283	33	29.1	↓ DTW=48.45

Did well dewater? Yes (No) Gallons actually evacuated: 29.1

Sampling Date: 5/15/08 Sampling Time: 1100 Depth to Water: 35.68

Sample I.D.: S-1 Laboratory: STL Other TA

Analyzed for: (TPH-G) ~~BTEX~~ ~~MTBE~~ (TPH-D) Other: TDS & Total Iron

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 #: 060515-WC-1	Site: 9 Onda Way, Orinda
Sampler: WC/DM	Date: 5/15/06
Well I.D.: S-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 27.73	Depth to Water (DTW): 17.50
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]: 19.55	

Purge Method: Bailer; (Disposable Bailer); Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

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

1.6 (Gals.) X 3 = 4.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1024	67.4	6.8	1088	340	1.6	cloudy/odor
1027	67.5	6.7	1082	428	3.2	↓
1030	67.9	6.7	1077	812	4.8	↓

Did well dewater? Yes (No) Gallons actually evacuated: 4.8

Sampling Date: 5/15/06 Sampling Time: 1040 Depth to Water: 18.56

Sample I.D.: S-2 Laboratory: STL Other TA

Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) Other: TDS & Total Iron

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 #: 060515-WC-1	Site: 9 Orinda Way, Orinda
Sampler: WC/DM	Date: 5/15/06
Well I.D.: S-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 32.39	Depth to Water (DTW): 29.58
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]: 30.14	

Purge Method: Bailer / (Disposable Bailer) / Positive Air Displacement / Electric Submersible / Waterra / Peristaltic / Extraction Pump / Other ____

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

0.5 (Gals.) X	3	=	1.5 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
0858	63.2	6.5	1107	59	0.5	clear
0900	61.4	6.45	1087	65	1.0	
0902	61.6	6.6	1090	50	1.5	"

Did well dewater? Yes (No) Gallons actually evacuated: ~~30.04~~ 1.5

Sampling Date: 5/15/06 Sampling Time: 0910 Depth to Water: 30.04

Sample I.D.: S-3 Laboratory: STL Other TA

Analyzed for: ~~TPH-G~~ BTEX MTBE ~~TPH-D~~ Other: TOS & TOG / Iron

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	