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Atlantic Richfield Company  
(a BP affiliated company)



P.O. Box 1257  
San Ramon, CA 94583  
Phone: (925) 275-3801  
Fax: (925) 275-3815

January 30, 2007

Re: Fourth Quarter, 2006 Semi-Annual Groundwater Monitoring Report  
Atlantic Richfield Company Station #6113  
785 East Stanley Boulevard  
Livermore, CA  
ACEH Case ID # 3883

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct."

Submitted by:

Paul Supple  
Environmental Business Manger

**Fourth Quarter, 2006 Semi-Annual Ground-Water Monitoring  
Report**

Atlantic Richfield Company Station #6113  
785 East Stanley Boulevard  
Livermore, California

Prepared for

Mr. Paul Supple  
Environmental Business Manager  
Atlantic Richfield Company  
P.O. Box 1257  
San Ramon, California 94583

Prepared by



1324 Mangrove Avenue, Suite 212  
Chico, California 95926  
(530) 566-1400  
*www.broadbentinc.com*

January 2007

Project No. 06-02-637

Broadbent & Associates, Inc.  
1324 Mangrove Ave., Suite 212  
Chico, CA 95926  
Voice (530) 566-1400  
Fax (530) 566-1401



January 30, 2007

Project No. 06-02-637

Atlantic Richfield Company  
P.O. Box 1257  
San Ramon, CA 94583  
Submitted via ENFOS

Attn.: Mr. Paul Supple

Re: Fourth Quarter, 2006 Semi-Annual Ground-Water Monitoring Report, Atlantic Richfield Company (a BP affiliated company) Station #6113, 785 East Stanley Boulevard, Livermore, CA. ACEH Case No. RO0000393.

Dear Mr. Supple:

Attached is the *Fourth Quarter, 2006 Semi-Annual Ground-Water Monitoring Report* for Atlantic Richfield Company Station #6113 (herein referred to as Station #6113) located at 785 East Stanley Boulevard, Livermore, CA (Property). This report presents a summary of Fourth Quarter, 2006 ground-water monitoring results.

Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

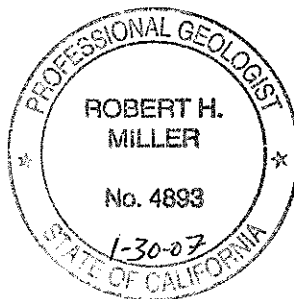
BROADBENT & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'Matthew G. Herrick'.

Matthew G. Herrick, P.G.  
Project Hydrogeologist

A handwritten signature in black ink, appearing to read 'Robert H. Miller'.

Robert H. Miller, P.G., C.HG.  
Principal Hydrogeologist



Enclosures

cc: Mr. Steven Plunkett, Alameda County Environmental Health (submitted via ACEH ftp site)  
Mr. Paul M. Smith/Ms. Danielle Stefani, Livermore-Pleasanton Fire Department (submitted via GeoTracker)

## STATION # 6113 SEMI-ANNUAL GROUND-WATER MONITORING REPORT

Facility: <u>6113</u>	Address: <u>785 East Stanley Boulevard, Livermore, CA</u>
Station <u>6113</u>	Environmental Business
Manager: <u>Mr. Paul Supple</u>	
Consulting Co./Contact Persons: <u>Broadbent &amp; Associates, Inc.(BAI)/Rob Miller &amp; Matt Herrick</u>	
Primary Agency/Regulatory ID No.: <u>Alameda County Environmental Health (ACEH) / ACEH Case No. RO0000393</u>	
Consultant Project No.: <u>06-02-637</u>	
Facility Permits/Permitting Agency.: <u>NA</u>	

### WORK PERFORMED THIS QUARTER (Fourth Quarter, 2006):

1. Conducted ground-water monitoring/sampling for Fourth Quarter, 2006. Work performed by Stratus Environmental, Inc.

### WORK PROPOSED FOR NEXT QUARTER (First Quarter, 2007):

1. Submit First Quarter, 2007 Report (contained herein).
2. No ground-water monitoring/sampling activities are scheduled to be completed on the Property during the First Quarter, 2007.

### QUARTERLY RESULTS SUMMARY:

Current phase of project:	<b>Groundwater monitoring/sampling</b>
Frequency of ground-water sampling:	<b>Wells MW-4, MW-6, MW-7, MW-11 through MW-13, VW-1: Semi Annually (2Q and 4Q) Wells MW-3, MW-9, and MW-10: Annually (4Q)</b>
Frequency of ground-water monitoring:	<b>Semi-Annually (2Q and 4Q)</b>
Is free product (FP) present on-site:	<b>No</b>
FP recovered this quarter:	<b>NA</b>
Bulk Soil Removed to Date:	<b>288 cubic yards TPH impacted soil</b>
Current remediation techniques:	<b>Air Diffusion</b>
Depth to ground water (below TOC):	<b>17.87 (VW-1) to 20.20 (MW-10)</b>
General ground-water flow direction:	<b>Northeast</b>
Approximate hydraulic gradient:	<b>0.014 feet per foot</b>

### DISCUSSION:

Gasoline range organics were detected at or above the laboratory reporting limit in four of the eight wells sampled during Fourth Quarter, 2006 at concentrations ranging from 80 micrograms per liter ( $\mu\text{g/L}$ ) in well VW-1 to 15,000  $\mu\text{g/L}$  in well MW-13. Benzene was detected above the laboratory reporting limit in two wells at 5.5  $\mu\text{g/L}$  (MW-3) and 150  $\mu\text{g/L}$  (MW-13). Toluene was not detected above the laboratory reporting limit in any of the wells sampled. Ethylbenzene was detected above the laboratory reporting limit in three wells at concentrations ranging from 2.3  $\mu\text{g/L}$  in VW-1 to 1,700  $\mu\text{g/L}$  in MW-13. Xylenes were detected above the laboratory reporting limit in three wells at concentrations ranging from 0.82  $\mu\text{g/L}$  in VW-1 to 400  $\mu\text{g/L}$  in MW-13. Methyl tert-butyl ether was detected above the laboratory reporting limit in three wells at concentrations ranging from 22  $\mu\text{g/L}$  in well MW-3 to 3,400  $\mu\text{g/L}$  (MW-6). No other fuel additives were detected above their respective laboratory reporting limits.

Wells MW-11 and MW-12 were not sampled during Fourth Quarter, 2006. A review of Table 1 indicates that there has been problems in the past locating these wells. Every effort will be made during the next monitoring/sampling event (Second Quarter, 2007) to locate and sample these two wells.

#### **CLOSURE:**

The findings presented in this report are based upon: observations of Stratus Environmental, Inc. field personnel (see Appendix A), the points investigated, and results of laboratory tests performed by TestAmerica (Morgan Hill, CA). Our services were performed in accordance with the generally accepted standard of practice at the time this report was written. No other warranty, expressed or implied was made. This report has been prepared for the exclusive use of Atlantic Richfield Company. It is possible that variations in soil or ground-water conditions could exist beyond points explored in this investigation. Also, changes in site conditions could occur in the future due to variations in rainfall, temperature, regional water usage, or other factors.

#### **ATTACHMENTS:**

- Drawing 1. Ground-Water Elevation Contour and Analytical Summary Map, Station #6113, Livermore, CA
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #6113, Livermore CA
- Table 2. Summary of Fuel Additives Analytical Data, Station #6113, Livermore, CA
- Table 3. Historical Ground-Water Flow Direction and Gradient, Station #6113, Livermore, CA
- Appendix A. Stratus Environmental, Inc. Groundwater Sampling Data Package (Includes Laboratory Report and Chain of Custody Documentation and Field Data Sheets).
- Appendix B. Geotracker Upload Confirmation.

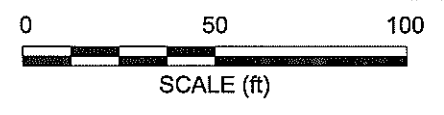
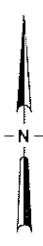
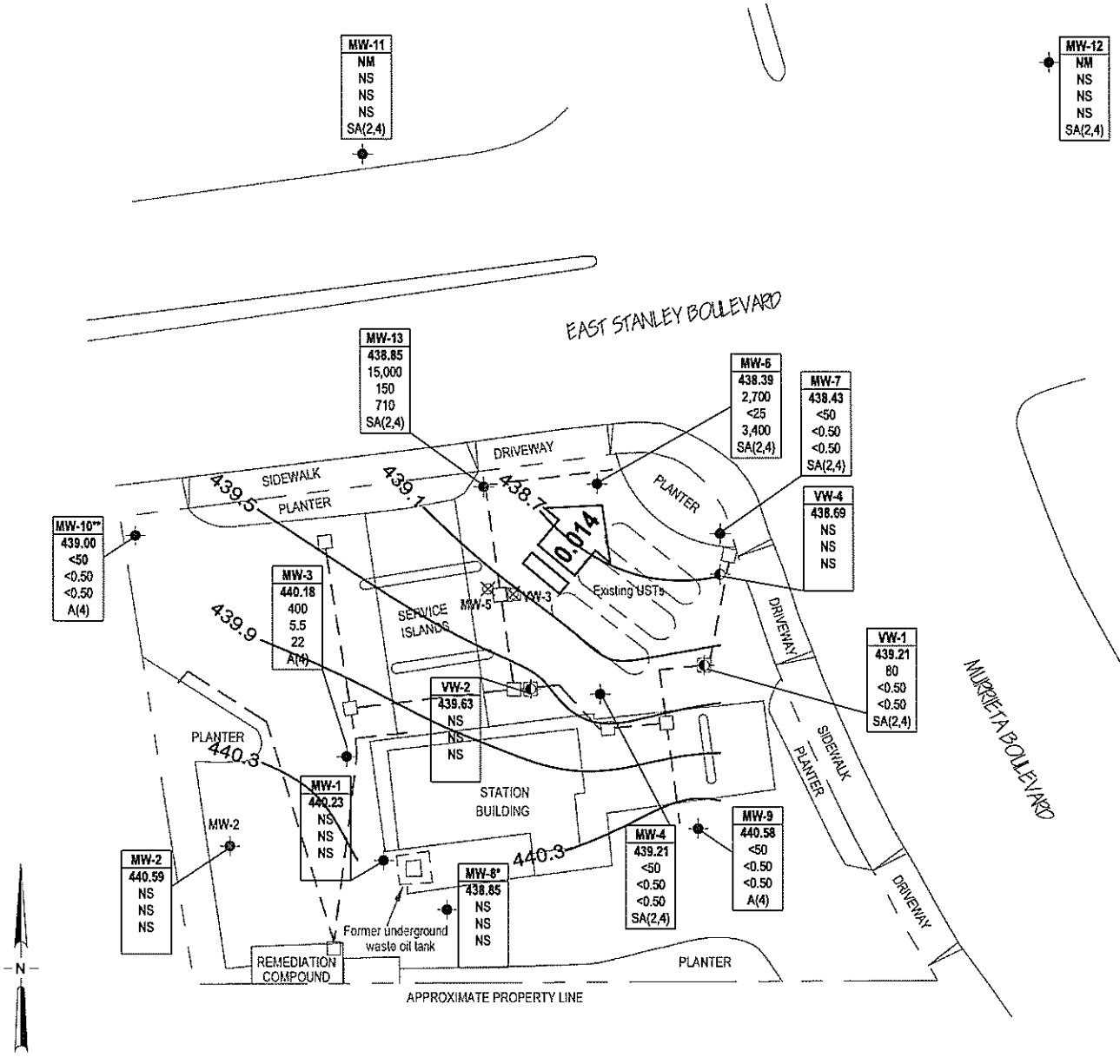
### LEGEND

- Monitoring well
- ◐ Vapor extraction well
- ⊗ Abandoned well
- 440.3 Ground-water elevation contour (ft/MSL)

Well	Well Designation
ELEV	Ground-water Elevation
GRO	GRO, Benzene and MTBE concentration (µg/L)
Benzene	
MTBE	
MTBE	
NSA	Sampling frequency
A(4)	Sampled annually, 4th quarter
SA(2,4)	Semi-annual sampling, 2nd and 4th quarters
NM	Not Measured
NS	Not Sampled
.	Not used in contouring due to screen interval
..	Not used in contouring

- ← 0.01 Approximate ground-water flow direction and gradient (ft/ft)
- Vault box
- - - Piping trench

NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



**BROADBENT & ASSOCIATES, INC.**  
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL  
 1324 Mangrove Ave. Suite 212  
 Chico, CA

Station #6113  
 785 East Stanley Boulevard  
 Livermore, California

Ground-Water Elevation Contour  
 and Analytical Summary Map  
 FOURTH QUARTER 2006  
 Project No.: 06-02-637 Date: 12/20/06

Drawing  
1

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**  
**Station #6113, 785 East Stanley Blvd., Livermore, CA**

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-1															
3/23/1995	--	e	457.04	29.0	44.0	14.12	442.92	--	--	--	--	--	--	--	--
5/31/1995	--	e	457.04	29.0	44.0	14.45	442.59	--	--	--	--	--	--	--	--
8/31/1995	--	e	457.04	29.0	44.0	17.12	439.92	--	--	--	--	--	--	--	--
11/28/1995	--		457.04	29.0	44.0	16.34	440.70	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
2/22/1996	--	e	457.04	29.0	44.0	13.23	443.81	--	--	--	--	--	--	--	--
5/23/1996	--	e	457.04	29.0	44.0	14.02	443.02	--	--	--	--	--	--	--	--
8/8/1996	--	e	457.04	29.0	44.0	16.13	440.91	--	--	--	--	--	--	--	--
11/7/1996	--		457.04	29.0	44.0	17.28	439.76	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
3/27/1997	--	e	457.04	29.0	44.0	14.91	442.13	--	--	--	--	--	--	--	--
5/19/1997	--	e	457.04	29.0	44.0	16.47	440.57	--	--	--	--	--	--	--	--
5/18/1998	--	e	457.04	29.0	44.0	14.69	442.35	--	--	--	--	--	--	--	--
11/2/1998	--		457.04	29.0	44.0	25.94	431.10	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
6/4/1999	--	e	457.04	29.0	44.0	17.38	439.66	--	--	--	--	--	--	--	--
11/11/1999	P		457.04	29.0	44.0	18.63	438.41	<50	<0.5	<0.5	<0.5	<1	<3	1.03	--
6/20/2000	--	e	457.04	29.0	44.0	17.09	439.95	--	--	--	--	--	--	3.1	--
8/29/2000	--	e	457.04	29.0	44.0	18.20	438.84	--	--	--	--	--	--	2.66	--
11/29/2000	P		457.04	29.0	44.0	20.30	436.74	<50.0	<0.500	<0.500	<0.500	1.36	<2.50	0.71	--
5/2/2001	--	e	457.04	29.0	44.0	22.39	434.65	--	--	--	--	--	--	--	--
8/15/2001	--	e	457.04	29.0	44.0	24.97	432.07	--	--	--	--	--	--	--	--
10/5/2001	P		457.04	29.0	44.0	25.09	431.95	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.78	--
1/21/2002	--	e	457.04	29.0	44.0	24.58	432.46	--	--	--	--	--	--	--	--
4/26/2002	--	e	457.04	29.0	44.0	24.19	432.85	--	--	--	--	--	--	--	--
10/7/2002	--		457.04	29.0	44.0	20.13	436.91	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	--
05/01/2003	--	r	457.04	29.0	44.0	17.98	439.06	--	--	--	--	--	--	--	--
10/27/2005	--		459.41	29.0	44.0	18.45	440.96	--	--	--	--	--	--	--	--
04/12/2006	--		459.41	29.0	44.0	15.18	444.23	--	--	--	--	--	--	--	--
<b>10/31/2006</b>	--		<b>459.41</b>	<b>29.0</b>	<b>44.0</b>	<b>19.18</b>	<b>440.23</b>	--	--	--	--	--	--	--	--
MW-2															
3/23/1995	--		457.74	28.0	38.0	14.15	443.59	--	--	--	--	--	--	--	--
5/31/1995	--	e	457.74	28.0	38.0	14.67	443.07	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #6113, 785 East Stanley Blvd., Livermore, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
<b>MW-2 Cont.</b>															
8/31/1995	--	e	457.74	28.0	38.0	17.24	440.50	--	--	--	--	--	--	--	--
11/28/1995	--		457.74	28.0	38.0	16.40	441.34	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
2/22/1996	--	e	457.74	28.0	38.0	13.55	444.19	--	--	--	--	--	--	--	--
5/23/1996	--	e	457.74	28.0	38.0	14.29	443.45	--	--	--	--	--	--	--	--
8/8/1996	--	e	457.74	28.0	38.0	16.19	441.55	--	--	--	--	--	--	--	--
11/7/1996	--		457.74	28.0	38.0	17.50	440.24	65	0.6	7.4	2.1	12	5	--	--
3/27/1997	--	e	457.74	28.0	38.0	15.32	442.42	--	--	--	--	--	--	--	--
5/19/1997	--	e	457.74	28.0	38.0	16.62	441.12	--	--	--	--	--	--	--	--
5/18/1998	--	e	457.74	28.0	38.0	15.12	442.62	--	--	--	--	--	--	--	--
11/2/1998	--		457.74	28.0	38.0	26.66	431.08	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
6/4/1999	--	e	457.74	28.0	38.0	17.74	440.00	--	--	--	--	--	--	--	--
11/11/1999	P		457.74	28.0	38.0	18.75	438.99	<50	<0.5	<0.5	<0.5	<1	<3	0.82	--
6/20/2000	--	e	457.74	28.0	38.0	17.21	440.53	--	--	--	--	--	--	2.6	--
8/29/2000	--	e	457.74	28.0	38.0	18.25	439.49	--	--	--	--	--	--	2.65	--
11/29/2000	P		457.74	28.0	38.0	20.69	437.05	<50.0	<0.500	0.581	0.827	4.38	<2.50	0.88	--
5/2/2001	--	e	457.74	28.0	38.0	22.69	435.05	--	--	--	--	--	--	--	--
8/15/2001	--	e	457.74	28.0	38.0	25.15	432.59	--	--	--	--	--	--	--	--
10/5/2001	P		457.74	28.0	38.0	25.22	432.52	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.8	--
1/21/2002	--	e	457.74	28.0	38.0	24.70	433.04	--	--	--	--	--	--	--	--
4/26/2002	--	e	457.74	28.0	38.0	24.53	433.21	--	--	--	--	--	--	--	--
10/7/2002	--		457.74	28.0	38.0	19.45	438.29	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	--
05/01/2003	--	r	457.74	28.0	38.0	18.18	439.56	--	--	--	--	--	--	--	--
10/27/2005	--	t	460.07	28.0	38.0	--	--	--	--	--	--	--	--	--	--
04/12/2006	--		460.07	28.0	38.0	15.30	444.77	--	--	--	--	--	--	--	--
10/31/2006	--		460.07	28.0	38.0	38.62	421.45	--	--	--	--	--	--	--	--
<b>MW-3</b>															
3/23/1995	--	e	456.97	28.5	38.5	14.13	442.84	--	--	--	--	--	--	--	--
5/31/1995	--	e	456.97	28.5	38.5	14.46	442.51	--	--	--	--	--	--	--	--
8/31/1995	--	e	456.97	28.5	38.5	17.06	439.91	--	--	--	--	--	--	--	--
11/28/1995	--		456.97	28.5	38.5	16.27	440.70	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--



**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**  
**Station #6113, 785 East Stanley Blvd., Livermore, CA**

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE		
<b>MW-3 Cont.</b>															
2/22/1996	--	e	456.97	28.5	38.5	13.14	443.83	--	--	--	--	--	--	--	--
5/23/1996	--	e	456.97	28.5	38.5	13.95	443.02	--	--	--	--	--	--	--	--
8/8/1996	--	e	456.97	28.5	38.5	16.03	440.94	--	--	--	--	--	--	--	--
11/7/1996	--		456.97	28.5	38.5	17.26	439.71	<50	<0.5	0.9	<0.5	1.5	<3	--	--
3/27/1997	--	e	456.97	28.5	38.5	14.85	442.12	--	--	--	--	--	--	--	--
5/19/1997	--	e	456.97	28.5	38.5	16.40	440.57	--	--	--	--	--	--	--	--
5/18/1998	--	e	456.97	28.5	38.5	14.66	442.31	--	--	--	--	--	--	--	--
11/2/1998	--		456.97	28.5	38.5	25.85	431.12	<1,000	<10	<10	<10	<10	1,700	--	--
6/4/1999	--	e	456.97	28.5	38.5	17.35	439.62	--	--	--	--	--	--	--	--
11/11/1999	P		456.97	28.5	38.5	18.58	438.39	<50	<0.5	<0.5	<0.5	<1	<3	0.79	--
6/20/2000	--	e	456.97	28.5	38.5	17.03	439.94	--	--	--	--	--	--	2.8	--
8/29/2000	--	e	456.97	28.5	38.5	18.25	438.72	--	--	--	--	--	--	3.39	--
11/29/2000	--		456.97	28.5	38.5	20.27	436.70	<50.0	<0.500	<0.500	1.08	3.34	<2.50	0.67	--
5/2/2001	--	e	456.97	28.5	38.5	22.33	434.64	--	--	--	--	--	--	--	--
8/15/2001	--	e	456.97	28.5	38.5	25.03	431.94	--	--	--	--	--	--	--	--
10/5/2001	P		456.97	28.5	38.5	25.17	431.80	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.79	--
1/21/2002	--	e	456.97	28.5	38.5	24.79	432.18	--	--	--	--	--	--	--	--
4/26/2002	--	e	456.97	28.5	38.5	24.27	432.70	--	--	--	--	--	--	--	--
10/7/2002	--		456.97	28.5	38.5	20.20	436.77	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	--
05/01/2003	--	c, e	456.97	28.5	38.5	18.27	438.70	--	--	--	--	--	--	--	--
10/03/2003	P	d	456.97	28.5	38.5	20.07	436.90	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.2	7.3
04/06/2004	--	e	459.32	28.5	38.5	17.24	442.08	--	--	--	--	--	--	--	--
10/28/2004	P		459.32	28.5	38.5	19.38	439.94	<50	<0.50	<0.50	<0.50	<0.50	<0.50	8.1	7.3
04/13/2005	--		459.32	28.5	38.5	16.02	443.30	--	--	--	--	--	--	--	--
10/27/2005	--	t	459.32	28.5	38.5	--	--	--	--	--	--	--	--	--	--
04/12/2006	--		459.32	28.5	38.5	15.12	444.20	--	--	--	--	--	--	--	--
<b>10/31/2006</b>	<b>P</b>		<b>459.32</b>	<b>28.5</b>	<b>38.5</b>	<b>19.14</b>	<b>440.18</b>	<b>400</b>	<b>5.5</b>	<b>&lt;0.50</b>	<b>5.5</b>	<b>9.6</b>	<b>22</b>	--	<b>7.64</b>
<b>MW-4</b>															
3/23/1995	--		456.55	21.0	27.0	15.39	441.16	210	2.1	0.6	0.8	2.1	--	--	--
5/31/1995	--		456.55	21.0	27.0	15.32	441.23	190	1.6	<0.5	0.7	0.9	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #6113, 785 East Stanley Blvd., Livermore, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-4 Cont.															
8/31/1995	--		456.55	21.0	27.0	17.86	438.69	160	1.2	0.7	<0.5	<2	<3	--	--
11/28/1995	--		456.55	21.0	27.0	17.18	439.37	150	0.7	<0.5	0.7	1.4	<3	--	--
2/22/1996	--		456.55	21.0	27.0	14.80	441.75	100	<0.5	<0.5	<0.6	0.8	<3	--	--
5/23/1996	--		456.55	21.0	27.0	14.43	442.12	86	<0.5	<0.5	<0.5	<0.7	<3	--	--
8/8/1996	--		456.55	21.0	27.0	16.80	439.75	98	<0.5	<0.5	<0.5	1.3	<3	--	--
11/7/1996	--		456.55	21.0	27.0	17.90	438.65	140	<0.5	<0.5	<0.9	1.3	<3	--	--
3/27/1997	--		456.55	21.0	27.0	15.22	441.33	<50	1.1	<0.5	<0.5	1.6	<3	--	--
5/19/1997	--		456.55	21.0	27.0	16.98	439.57	62	<0.5	<0.5	<0.5	0.6	<3	--	--
5/18/1998	--		456.55	21.0	27.0	14.99	441.56	<50	<0.5	<0.5	<0.5	<0.5	64	--	--
11/2/1998	--		456.55	21.0	27.0	25.29	431.26	74	<0.5	<0.5	<0.5	<0.5	96	--	--
6/4/1999	P		456.55	21.0	27.0	17.95	438.60	100	<0.5	<0.5	<0.5	<0.5	38	--	--
11/11/1999	P		456.55	21.0	27.0	19.25	437.30	88	<0.5	<0.5	<0.5	<1	10	0.77	--
6/20/2000	--	q	456.55	21.0	27.0	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	62.3	--	--
6/20/2000	P		456.55	21.0	27.0	17.79	438.76	<50.0	<0.500	<0.500	<0.500	<0.500	82.4	1.3	--
8/29/2000	P		456.55	21.0	27.0	18.90	437.65	56	<0.500	<0.500	<0.500	<0.500	47.9	0.97	--
11/29/2000	P	s	456.55	21.0	27.0	20.50	436.05	<50.0	<0.500	<0.500	<0.500	<0.500	9.88/10.4	0.59	--
5/2/2001	--	s	456.55	21.0	27.0	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	59.4/68.4	--	--
5/2/2001	P	q, s	456.55	21.0	27.0	22.65	433.90	<50.0	<0.500	<0.500	<0.500	<0.500	61.1/70.9	0.74	--
8/15/2001	--	f	456.55	21.0	27.0	--	--	--	--	--	--	--	--	--	--
10/5/2001	--	f	456.55	21.0	27.0	--	--	--	--	--	--	--	--	--	--
1/21/2002	--	f	456.55	21.0	27.0	--	--	--	--	--	--	--	--	--	--
4/26/2002	P		456.55	21.0	27.0	20.15	436.40	110	<0.50	<0.50	<0.50	<0.50	150	0.21	--
10/7/2002	P	a	456.55	21.0	27.0	20.76	435.79	96	<0.50	<0.50	0.54	<0.50	260	1.0	--
05/01/2003	P	c	456.55	21.0	27.0	19.67	436.88	120	1.3	<0.50	<0.50	<0.50	86	1.7	--
10/03/2003	P	d	456.55	21.0	27.0	20.23	436.32	<50	<0.50	<0.50	<0.50	<0.50	22	13.5	6.8
04/06/2004	P		458.88	21.0	27.0	18.13	440.75	96	<0.50	<0.50	<0.50	<0.50	17	1.6	6.8
10/28/2004	P		458.88	21.0	27.0	20.02	438.86	<50	<0.50	<0.50	<0.50	<0.50	4.5	1.2	6.7
04/13/2005	P		458.88	21.0	27.0	16.68	442.20	<50	<0.50	<0.50	<0.50	<0.50	2.8	0.8	6.7
10/27/2005	P		458.88	21.0	27.0	19.05	439.83	400	14	<0.50	11	1.8	22	1.0	6.9
04/12/2006	P		458.88	21.0	27.0	15.47	443.41	100	<0.50	<0.50	<0.50	<0.50	1.9	1.6	7.2
10/31/2006	P		458.88	21.0	27.0	19.67	439.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	7.63

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #6113, 785 East Stanley Blvd., Livermore, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-4															
MW-5															
3/23/1995	--		455.84	43.0	63.0	13.97	441.87	68	4.2	3.4	2.3	12	--	--	--
5/31/1995	--	g	455.84	43.0	63.0	--	--	--	--	--	--	--	--	--	--
8/31/1995	--	g	455.84	43.0	63.0	--	--	--	--	--	--	--	--	--	--
11/28/1995	--		455.84	43.0	63.0	16.46	439.38	960	41	24	38	210	<5	--	--
2/22/1996	--	f	455.84	43.0	63.0	13.34	442.50	--	--	--	--	--	--	--	--
5/23/1996	--		455.84	43.0	63.0	14.36	441.48	7,100	440	180	270	1,700	<50	--	--
8/8/1996	--	f	455.84	43.0	63.0	16.38	439.46	--	--	--	--	--	--	--	--
11/7/1996	--		455.84	43.0	63.0	17.26	438.58	5,600	230	86	210	1,100	<80	--	--
3/27/1997	--	f	455.84	43.0	63.0	15.95	439.89	--	--	--	--	--	--	--	--
5/19/1997	--		455.84	43.0	63.0	16.64	439.20	7,600	480	140	400	1,200	<40	--	--
5/18/1998	--		455.84	43.0	63.0	14.75	441.09	990	46	13	45	180	4	--	--
11/2/1998	--		455.84	43.0	63.0	27.83	428.01	14,000	690	140	550	2,200	100	--	--
6/4/1999	P		455.84	43.0	63.0	17.47	438.37	8,300	690	370	90	440	1,400	--	--
11/11/1999	P		455.84	43.0	63.0	18.80	437.04	18,000	900	190	1,100	3,200	72	0.86	--
6/20/2000	P		455.84	43.0	63.0	17.14	438.70	10,200	618	122	832	2,020	<50.0	1.6	--
8/29/2000	P		455.84	43.0	63.0	18.60	437.24	12,300	436	166	711	2,120	517	0.79	--
11/29/2000	P	s	455.84	43.0	63.0	20.57	435.27	26,000	491	149	1,090	3,810	671/<20.0	0.51	--
5/2/2001	--	k	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6															
3/23/1995	--		454.93	48.0	68.0	13.38	441.55	<50	1.5	<0.5	<0.5	0.9	--	--	--
5/31/1995	--		454.93	48.0	68.0	13.96	440.97	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/31/1995	--		454.93	48.0	68.0	16.71	438.22	150	9	1.8	4	12	<3	--	--
11/28/1995	--		454.93	48.0	68.0	15.65	439.28	<50	0.6	<0.5	<0.5	0.8	<3	--	--
2/22/1996	--		454.93	48.0	68.0	12.53	442.40	<50	1.9	<0.5	0.8	2.1	<3	--	--
5/23/1996	--		454.93	48.0	68.0	13.24	441.69	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
8/8/1996	--		454.93	48.0	68.0	16.65	438.28	<50	0.5	<0.5	<0.5	0.5	<3	--	--
11/7/1996	--		454.93	48.0	68.0	16.65	438.28	110	5.3	1.3	3.1	6.6	<3	--	--
3/27/1997	--		454.93	48.0	68.0	14.25	440.68	<50	2.3	<0.5	0.9	3.5	4	--	--

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**Station #6113, 785 East Stanley Blvd., Livermore, CA**

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
<b>MW-6 Cont.</b>															
5/19/1997	--		454.93	48.0	68.0	15.87	439.06	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
5/18/1998	--		454.93	48.0	68.0	14.00	440.93	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
11/2/1998	--		454.93	48.0	68.0	24.95	429.98	<50	1.2	<0.5	<0.5	<0.5	3	--	--
6/4/1999	P		454.93	48.0	68.0	16.68	438.25	310	41	3.8	11	19	33	--	--
11/11/1999	P		454.93	48.0	68.0	16.12	438.81	<50	0.5	<0.5	<0.5	<1	<3	0.92	--
6/20/2000	P		454.93	48.0	68.0	16.63	438.30	<50.0	<0.500	<0.500	<0.500	<0.500	17.3	1.9	--
8/29/2000	--	q	454.93	48.0	68.0	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--
8/29/2000	P		454.93	48.0	68.0	17.91	437.02	<50.0	<0.500	0.551	<0.500	<0.500	<2.50	1.67	--
11/29/2000	P		454.93	48.0	68.0	20.30	434.63	<50.0	<0.500	<0.500	<0.500	1.03	<2.50	0.79	--
5/2/2001	P	s	454.93	48.0	68.0	22.20	432.73	3,230	1,300	33.6	89.4	136	1,810/2,310	0.95	--
8/15/2001	P	s	454.93	48.0	68.0	27.95	426.98	<50	<0.50	<0.50	<0.50	<0.50	21/25	0.63	--
10/5/2001	P		454.93	48.0	68.0	28.05	426.88	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.85	--
1/21/2002	P		454.93	48.0	68.0	26.81	428.12	<50	<0.50	<0.50	<0.50	<0.50	<5.0	0.91	--
4/26/2002	P		454.93	48.0	68.0	26.27	428.66	<50	<0.50	<0.50	<0.50	<0.50	17	0.75	--
10/7/2002	P	a	454.93	48.0	68.0	20.05	434.88	60	13	1.7	1.7	3.5	8	2.8	--
05/01/2003	P	c	454.93	48.0	68.0	17.62	437.31	<50	5.4	<0.50	0.63	1.3	12	1.6	--
10/03/2003	P	d	454.93	48.0	68.0	19.62	435.31	80	2.6	<2.5	<2.5	<2.5	120	5.1	6.9
04/06/2004	P		457.24	48.0	68.0	16.88	440.36	<2,500	<25	<25	<25	<25	1,700	4.1	7.0
10/28/2004	P		457.24	48.0	68.0	19.20	438.04	3,200	<25	<25	<25	<25	3,100	6.8	6.9
04/13/2005	P		457.24	48.0	68.0	15.15	442.09	<5,000	<50	<50	<50	<50	3,900	3.9	7.0
10/27/2005	P		457.24	48.0	68.0	18.12	439.12	<5,000	<50	<50	<50	<50	2,900	3.15	7.0
04/12/2006	P		457.24	48.0	68.0	15.32	441.92	<5,000	<50	<50	<50	<50	3,400	4.3	7.6
10/31/2006	P	u, v	457.24	48.0	68.0	18.85	438.39	2,700	<25	<25	<25	<25	3,400	--	10.36
<b>MW-7</b>															
3/23/1995	--		454.92	48.0	68.0	13.29	441.63	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
5/31/1995	--		454.92	48.0	68.0	13.72	441.20	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/31/1995	--		454.92	48.0	68.0	16.53	438.39	<50	<0.5	<0.5	<0.5	1.2	<3	--	--
11/28/1995	--		454.92	48.0	68.0	15.50	439.42	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
2/22/1996	--		454.92	48.0	68.0	12.30	442.62	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
5/23/1996	--		454.92	48.0	68.0	13.02	441.90	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--

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Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE		
<b>MW-7 Cont.</b>															
8/8/1996	--	m	454.92	48.0	68.0	--	--	--	--	--	--	--	--	--	--
11/7/1996	--		454.92	48.0	68.0	16.50	438.42	<50	<0.5	<0.5	<0.5	0.8	<3	--	--
3/27/1997	--		454.92	48.0	68.0	14.22	440.70	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
5/19/1997	--		454.92	48.0	68.0	15.74	439.18	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
5/18/1998	--		454.92	48.0	68.0	13.82	441.10	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
11/2/1998	--		454.92	48.0	68.0	24.80	430.12	<50	<0.5	<0.5	<0.5	<0.5	4	--	--
6/4/1999	P		454.92	48.0	68.0	16.55	438.37	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
11/11/1999	P		454.92	48.0	68.0	18.02	436.90	<50	<0.5	<0.5	<0.5	<1	<3	1.03	--
6/20/2000	P		454.92	48.0	68.0	16.50	438.42	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.3	--
8/29/2000	P		454.92	48.0	68.0	17.80	437.12	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.67	--
11/29/2000	P		454.92	48.0	68.0	19.61	435.31	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	0.51	--
5/2/2001	P	s	454.92	48.0	68.0	22.05	432.87	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50/2.66	0.9	--
8/15/2001	P		454.92	48.0	68.0	27.55	427.37	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.84	--
10/5/2001	P		454.92	48.0	68.0	27.59	427.33	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.62	--
1/21/2002	P	s	454.92	48.0	68.0	26.50	428.42	<50	<0.50	<0.50	<0.50	<0.50	15/21	0.65	--
4/26/2002	P		454.92	48.0	68.0	26.22	428.70	<50	<0.50	<0.50	<0.50	<0.50	18	0.61	--
10/7/2002	--		454.92	48.0	68.0	20.04	434.88	<50	1.2	<0.50	<0.50	0.77	41	4.8	--
05/01/2003	P	c	454.92	48.0	68.0	17.47	437.45	<50	<0.50	<0.50	<0.50	0.5	43	2.7	--
10/03/2003	P	d	454.92	48.0	68.0	19.55	435.37	<50	<1.0	<1.0	<1.0	<1.0	49	5.7	7.1
04/06/2004	P		457.17	48.0	68.0	16.60	440.57	<50	<0.50	<0.50	<0.50	0.75	0.76	0.7	7.0
10/28/2004	P		457.17	48.0	68.0	19.17	438.00	<50	<0.50	<0.50	<0.50	<0.50	14	6.7	6.9
04/13/2005	P		457.17	48.0	68.0	14.84	442.33	<50	<0.50	<0.50	<0.50	<0.50	1.7	2.3	6.9
10/27/2005	P		457.17	48.0	68.0	17.38	439.79	<50	<0.50	<0.50	<0.50	<0.50	2.3	2.16	7.0
04/12/2006	P		457.17	48.0	68.0	14.84	442.33	<50	<0.50	<0.50	<0.50	<0.50	1.1	3.0	7.2
10/31/2006	P		457.17	48.0	68.0	18.74	438.43	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	7.55
<b>MW-8</b>															
3/23/1995	--	e	456.97	47.0	67.0	11.55	445.42	--	--	--	--	--	--	--	--
5/31/1995	--	e	456.97	47.0	67.0	12.37	444.60	--	--	--	--	--	--	--	--
8/31/1995	--	e	456.97	47.0	67.0	15.68	441.29	--	--	--	--	--	--	--	--
11/28/1995	--		456.97	47.0	67.0	14.15	442.82	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--

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Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
<b>MW-8 Cont.</b>															
2/22/1996	--	e	456.97	47.0	67.0	10.97	446.00	--	--	--	--	--	--	--	--
5/23/1996	--	e	456.97	47.0	67.0	11.90	445.07	--	--	--	--	--	--	--	--
8/8/1996	--	e	456.97	47.0	67.0	13.85	443.12	--	--	--	--	--	--	--	--
11/7/1996	--		456.97	47.0	67.0	15.08	441.89	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
3/27/1997	--	e	456.97	47.0	67.0	12.96	444.01	--	--	--	--	--	--	--	--
5/19/1997	--	e	456.97	47.0	67.0	14.35	442.62	--	--	--	--	--	--	--	--
5/18/1998	--	e	456.97	47.0	67.0	12.97	444.00	--	--	--	--	--	--	--	--
11/2/1998	--		456.97	47.0	67.0	26.01	430.96	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
6/4/1999	--	e	456.97	47.0	67.0	15.53	441.44	--	--	--	--	--	--	--	--
11/11/1999	P		456.97	47.0	67.0	16.67	440.30	<50	<0.5	<0.5	<0.5	<1	<3	1.01	--
6/20/2000	--	e	456.97	47.0	67.0	15.29	441.68	--	--	--	--	--	--	2.4	--
8/29/2000	--	e	456.97	47.0	67.0	16.59	440.38	--	--	--	--	--	--	3.37	--
11/29/2000	P		456.97	47.0	67.0	19.80	437.17	<50.0	<0.500	<0.500	<0.500	0.772	<2.50	1.35	--
5/2/2001	--	e	456.97	47.0	67.0	22.12	434.85	--	--	--	--	--	--	--	--
8/15/2001	--	e	456.97	47.0	67.0	27.63	429.34	--	--	--	--	--	--	--	--
10/5/2001	P		456.97	47.0	67.0	27.65	429.32	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.07	--
1/21/2002	--	e	456.97	47.0	67.0	26.73	430.24	--	--	--	--	--	--	--	--
4/26/2002	--	e	456.97	47.0	67.0	26.39	430.58	--	--	--	--	--	--	--	--
10/7/2002	--		456.97	47.0	67.0	18.43	438.54	<50	<0.50	<0.50	<0.50	0.86	<0.50	4.2	--
05/01/2003	--	r	456.97	47.0	67.0	16.47	440.50	--	--	--	--	--	--	--	--
10/27/2005	--		456.97	47.0	67.0	17.14	439.83	--	--	--	--	--	--	--	--
04/12/2006	--		456.97	47.0	67.0	14.08	442.89	--	--	--	--	--	--	--	--
10/31/2006	--		456.97	47.0	67.0	18.12	438.85	--	--	--	--	--	--	--	--
<b>MW-9</b>															
3/23/1995	--	e	456.18	48.0	68.0	13.18	443.00	--	--	--	--	--	--	--	--
5/31/1995	--	e	456.18	48.0	68.0	12.66	443.52	--	--	--	--	--	--	--	--
8/31/1995	--	e	456.18	48.0	68.0	14.40	441.78	--	--	--	--	--	--	--	--
11/28/1995	--		456.18	48.0	68.0	14.26	441.92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
2/22/1996	--	e	456.18	48.0	68.0	12.05	444.13	--	--	--	--	--	--	--	--
5/23/1996	--	e	456.18	48.0	68.0	12.07	444.11	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #6113, 785 East Stanley Blvd., Livermore, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
<b>MW-9 Cont.</b>															
8/8/1996	--	e	456.18	48.0	68.0	14.12	442.06	--	--	--	--	--	--	--	--
11/7/1996	--		456.18	48.0	68.0	15.42	440.76	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
3/27/1997	--	e	456.18	48.0	68.0	13.01	443.17	--	--	--	--	--	--	--	--
5/19/1997	--	e	456.18	48.0	68.0	14.60	441.58	--	--	--	--	--	--	--	--
5/18/1998	--	e	456.18	48.0	68.0	12.60	443.58	--	--	--	--	--	--	--	--
11/2/1998	--	e	456.18	48.0	68.0	25.08	431.10	--	--	--	--	--	--	--	--
6/4/1999	P		456.18	48.0	68.0	15.87	440.31	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
11/11/1999	P		456.18	48.0	68.0	17.02	439.16	<50	<0.5	<0.5	<0.5	<1	<3	0.96	--
6/20/2000	--	e	456.18	48.0	68.0	15.54	440.64	--	--	--	--	--	--	2.1	--
8/29/2000	--	e	456.18	48.0	68.0	16.81	439.37	--	--	--	--	--	--	2.59	--
11/29/2000	P		456.18	48.0	68.0	18.81	437.37	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	0.81	--
5/2/2001	--	e	456.18	48.0	68.0	22.09	434.09	--	--	--	--	--	--	--	--
8/15/2001	--	e	456.18	48.0	68.0	27.59	428.59	--	--	--	--	--	--	--	--
10/5/2001	--	q	456.18	48.0	68.0	27.63	428.55	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
10/5/2001	P		456.18	48.0	68.0	27.63	428.55	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.93	--
1/21/2002	--	e	456.18	48.0	68.0	26.77	429.41	--	--	--	--	--	--	--	--
4/26/2002	--	e	456.18	48.0	68.0	26.41	429.77	--	--	--	--	--	--	--	--
10/7/2002	P		456.18	48.0	68.0	18.85	437.33	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	--
05/01/2003	--	c, e	456.18	48.0	68.0	17.84	438.34	--	--	--	--	--	--	--	--
10/03/2003	P	d	456.18	48.0	68.0	18.69	437.49	<50	1.1	0.57	<0.50	<0.50	<0.50	4.9	6.8
04/06/2004	--	e	458.55	48.0	68.0	16.08	442.47	--	--	--	--	--	--	--	--
10/28/2004	P		458.55	48.0	68.0	18.35	440.20	<50	<0.50	<0.50	<0.50	<0.50	<0.50	6.8	6.9
04/13/2005	--	e	458.55	48.0	68.0	14.09	444.46	--	--	--	--	--	--	--	--
10/27/2005	P		458.55	48.0	68.0	17.41	441.14	<50	0.51	<0.50	<0.50	<0.50	1.4	2.56	7.0
04/12/2006	--		458.55	48.0	68.0	14.18	444.37	--	--	--	--	--	--	--	--
10/31/2006	P		458.55	48.0	68.0	17.97	440.58	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	7.46
<b>MW-10</b>															
3/23/1995	--	e	456.85	32.0	52.0	14.86	441.99	--	--	--	--	--	--	--	--
5/31/1995	--	e	456.85	32.0	52.0	15.63	441.22	--	--	--	--	--	--	--	--
8/31/1995	--	e	456.85	32.0	52.0	14.40	442.45	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #6113, 785 East Stanley Blvd., Livermore, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
<b>MW-10 Cont.</b>															
11/28/1995	--		456.85	32.0	52.0	17.24	439.61	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
2/22/1996	--	e	456.85	32.0	52.0	14.30	442.55	--	--	--	--	--	--	--	--
5/23/1996	--	e	456.85	32.0	52.0	14.93	441.92	--	--	--	--	--	--	--	--
8/8/1996	--	e	456.85	32.0	52.0	17.20	439.65	--	--	--	--	--	--	--	--
11/7/1996	--		456.85	32.0	52.0	18.25	438.60	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
3/27/1997	--	e	456.85	32.0	52.0	15.77	441.08	--	--	--	--	--	--	--	--
5/19/1997	--	e	456.85	32.0	52.0	17.38	439.47	--	--	--	--	--	--	--	--
5/18/1998	--	e	456.85	32.0	52.0	15.47	441.38	--	--	--	--	--	--	--	--
11/2/1998	--		456.85	32.0	52.0	26.94	429.91	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
6/4/1999	--	e	456.85	32.0	52.0	17.19	439.66	--	--	--	--	--	--	--	--
11/11/1999	P		456.85	32.0	52.0	19.35	437.50	<50	<0.5	<0.5	<0.5	<1	<3	0.68	--
6/20/2000	--	e	456.85	32.0	52.0	17.92	438.93	--	--	--	--	--	--	2.9	--
8/29/2000	--	e	456.85	32.0	52.0	19.15	437.70	--	--	--	--	--	--	1.54	--
11/29/2000	P		456.85	32.0	52.0	21.30	435.55	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	0.95	--
5/2/2001	--	e	456.85	32.0	52.0	29.95	426.90	--	--	--	--	--	--	--	--
8/15/2001	--	e	456.85	32.0	52.0	30.74	426.11	--	--	--	--	--	--	--	--
10/5/2001	P		456.85	32.0	52.0	30.95	425.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.89	--
1/21/2002	--	e	456.85	32.0	52.0	28.97	427.88	--	--	--	--	--	--	--	--
4/26/2002	--	e	456.85	32.0	52.0	28.50	428.35	--	--	--	--	--	--	--	--
10/7/2002	--		456.85	32.0	52.0	21.15	435.70	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	--
05/01/2003	--	c, e	456.85	32.0	52.0	18.90	437.95	--	--	--	--	--	--	--	--
10/03/2003	P	d	456.85	32.0	52.0	20.64	436.21	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	7.1
04/06/2004	--	e	459.20	32.0	52.0	17.99	441.21	--	--	--	--	--	--	--	--
10/28/2004	P		459.20	32.0	52.0	20.27	438.93	<50	<0.50	<0.50	<0.50	<0.50	<0.50	5.9	7.1
04/13/2005	--	e	459.20	32.0	52.0	16.25	442.95	--	--	--	--	--	--	--	--
10/27/2005	P		459.20	32.0	52.0	19.03	440.17	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.38	7.2
04/12/2006	--		459.20	32.0	52.0	14.95	444.25	--	--	--	--	--	--	--	--
10/31/2006	P		459.20	32.0	52.0	20.20	439.00	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	7.30
<b>MW-11</b>															
3/23/1995	--		455.07	38.0	45.0	17.34	437.73	--	--	--	--	--	--	--	--



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Station #6113, 785 East Stanley Blvd., Livermore, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-11 Cont.															
5/31/1995	--		455.07	38.0	45.0	16.68	438.39	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/31/1995	--	h	455.07	38.0	45.0	20.20	434.87	--	--	--	--	--	--	--	--
11/28/1995	--		455.07	38.0	45.0	17.80	437.27	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
2/22/1996	--	h	455.07	38.0	45.0	15.97	439.10	--	--	--	--	--	--	--	--
5/23/1996	--		455.07	38.0	45.0	15.50	439.57	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
8/8/1996	--	h	455.07	38.0	45.0	17.77	437.30	--	--	--	--	--	--	--	--
11/7/1996	--		455.07	38.0	45.0	17.45	437.62	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
3/27/1997	--	h	455.07	38.0	45.0	15.77	439.30	--	--	--	--	--	--	--	--
5/19/1997	--		455.07	38.0	45.0	16.80	438.27	<50	1.1	4.5	<0.5	2.2	<3	--	--
5/18/1998	--		455.07	38.0	45.0	15.38	439.69	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
11/2/1998	--		455.07	38.0	45.0	24.15	430.92	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
6/4/1999	P		455.07	38.0	45.0	18.39	436.68	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
11/11/1999	P		455.07	38.0	45.0	18.62	436.45	<50	<0.5	<0.5	<0.5	<1	<3	1.01	--
6/20/2000	P		455.07	38.0	45.0	17.82	437.25	<50.0	0.631	<0.500	<0.500	<0.500	<2.50	4.1	--
8/29/2000	--	h	455.07	38.0	45.0	19.50	435.57	--	--	--	--	--	--	--	--
11/29/2000	P		455.07	38.0	45.0	20.60	434.47	<50.0	<0.500	<0.500	<0.500	1.63	<2.50	0.97	--
5/2/2001	P		455.07	38.0	45.0	22.42	432.65	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	1.04	--
8/15/2001	--	h	455.07	38.0	45.0	27.41	427.66	--	--	--	--	--	--	--	--
10/5/2001	P		455.07	38.0	45.0	27.59	427.48	<50	<0.50	<0.50	<0.50	<0.50	<2.5	1.05	--
1/21/2002	--	h	455.07	38.0	45.0	26.75	428.32	--	--	--	--	--	--	--	--
4/26/2002	P		455.07	38.0	45.0	26.50	428.57	<50	<0.50	<0.50	<0.50	<0.50	<2.5	0.47	--
10/7/2002	--		455.07	38.0	45.0	20.79	434.28	<50	<0.50	<0.50	<0.50	<0.50	1.0	1.4	--
05/01/2003	P	c	455.07	38.0	45.0	20.55	434.52	<50	<0.50	<0.50	<0.50	<0.50	1.5	3.2	--
10/03/2003	P	d	455.07	38.0	45.0	20.58	434.49	<50	<0.50	<0.50	<0.50	<0.50	3.1	3.0	7.1
04/06/2004	P		457.40	38.0	45.0	17.52	439.88	<50	<0.50	<0.50	<0.50	<0.50	14	5.1	6.7
10/28/2004	P		457.40	38.0	45.0	20.32	437.08	<50	<0.50	<0.50	<0.50	<0.50	29	1.3	7.2
04/13/2005	P		457.40	38.0	45.0	16.20	441.20	<50	<0.50	<0.50	<0.50	<0.50	3.7	2.8	7.0
10/27/2005	P		457.40	38.0	45.0	21.98	435.42	<50	<0.50	<0.50	<0.50	<0.50	21	1.04	7.2
04/12/2006	--	Well inaccessible m	457.40	38.0	45.0	--	--	--	--	--	--	--	--	--	--
10/31/2006	--		457.40	38.0	45.0	--	--	--	--	--	--	--	--	--	--

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Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-12															
3/23/1995	--	h	455.04	18.0	34.5	15.54	439.50	--	--	--	--	--	--	--	--
5/31/1995	--		455.04	18.0	34.5	15.66	439.38	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
8/31/1995	--	h	455.04	18.0	34.5	18.23	436.81	--	--	--	--	--	--	--	--
11/28/1995	--		455.04	18.0	34.5	17.53	437.51	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
2/22/1996	--	h	455.04	18.0	34.5	14.45	440.59	--	--	--	--	--	--	--	--
5/23/1996	--		455.04	18.0	34.5	14.88	440.16	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
8/8/1996	--	h	455.04	18.0	34.5	17.30	437.74	--	--	--	--	--	--	--	--
11/7/1996	--		455.04	18.0	34.5	18.30	436.74	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
3/27/1997	--	h	455.04	18.0	34.5	15.69	439.35	--	--	--	--	--	--	--	--
5/19/1997	--		455.04	18.0	34.5	17.41	437.63	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
5/18/1998	--		455.04	18.0	34.5	15.21	439.83	<50	<0.5	<0.5	<0.5	<0.5	<3	--	--
11/2/1998	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
6/4/1999	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
11/11/1999	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
6/20/2000	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
8/29/2000	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
11/29/2000	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
5/2/2001	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
8/15/2001	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
10/5/2001	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
1/21/2002	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
4/26/2002	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
10/7/2002	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
05/01/2003	--	c, m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
10/03/2003	--	m	455.04	18.0	34.5	--	--	--	--	--	--	--	--	--	--
04/06/2004	P		457.37	18.0	34.5	18.14	439.23	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	6.4
10/28/2004	P		457.37	18.0	34.5	20.66	436.71	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	6.8
04/13/2005	P		457.37	18.0	34.5	16.25	441.12	<50	<0.50	<0.50	<0.50	0.55	<0.50	1.9	7.5
10/27/2005	P		457.37	18.0	34.5	19.77	437.60	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.81	7.0
04/12/2006	P		457.37	18.0	34.5	16.08	441.29	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	7.2
10/31/2006	--		457.37	18.0	34.5	--	--	--	--	--	--	--	--	--	--

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								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
MW-12															
MW-13															
1/21/2002	P		--	--	--	24.61	--	15,000	160	68	1,700	3,200	4,900/5,200	0.71	--
4/26/2002	P		--	--	--	24.20	--	17,000	98	<100	1,700	3,400	1,600	0.6	--
10/7/2002	--	b	--	--	--	20.12	--	14,000	510	<50	2,200	2,300	2,800	0.8	--
05/01/2003	P	c	--	--	--	17.82	--	21,000	230	<50	1,900	2,300	1,600	1.9	--
10/03/2003	P	d	--	--	--	19.91	--	19,000	570	55	1,900	2,300	2,400	0.8	6.9
04/06/2004	P		457.91	--	--	17.14	440.77	15,000	470	35	1,600	1,300	1,800	2.0	6.7
10/28/2004	P		457.91	--	--	18.83	439.08	18,000	350	<25	1,900	1,800	1,800	0.8	6.7
04/13/2005	P		457.91	--	--	15.23	442.68	9,700	110	<25	860	280	920	0.9	6.9
10/27/2005	P		457.91	--	--	18.45	439.46	11,000	120	12	1,500	450	580	0.75	6.8
04/12/2006	P		457.91	--	--	15.06	442.85	4,700	65	<10	450	69	470	1.2	6.8
10/31/2006	P		457.91	--	--	19.06	438.85	15,000	150	<25	1,700	400	710	--	6.87
VW-1															
8/29/2000	P		--	24	45	17.40	--	2,360	27.6	11.6	26.3	33.2	110	4.47	--
11/29/2000	P		--	24.0	45	18.75	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	0.46	--
5/2/2001	--		--	24.0	45	21.59	--	--	--	--	--	--	--	--	--
8/15/2001	P	s	--	24.0	45	24.62	--	1,200	6.3	4.3	1.7	1.3	20/17	--	--
8/15/2001	--	q	--	24.0	45	--	--	1,200	6.2	4.1	1.8	1.1	20/17	--	--
10/5/2001	P	s	--	24.0	45	24.75	--	1,500	140	55	28	82	610/660	0.71	--
1/21/2002	P	s	--	24.0	45	24.59	--	6,700	810	350	270	1,100	2,600/3,400	0.69	--
1/21/2002	--	q, s	--	24.0	45	--	--	8,000	770	320	96	1,100	2,500/3,200	--	--
4/26/2002	--	q	--	24.0	45	--	--	350	24	1.6	5.9	1.6	45	--	--
4/26/2002	P		--	24.0	45	24.27	--	370	26	2.1	6.6	1.7	48	0.5	--
10/7/2002	P	b	--	24.0	45	19.20	--	410	25	2.2	8	4.3	88	1.7	--
05/01/2003	P	c	--	24.0	45	16.60	--	240	6.4	<0.50	3.3	1.3	36	1.7	--
10/03/2003	P	d	--	24.0	45	18.82	--	180	1.5	<0.50	0.69	<0.50	12	1.1	7.3
04/06/2004	P		457.08	24.0	45	15.78	441.30	300	2.2	<0.50	3.0	1.3	13	2.4	7.2
10/28/2004	P		457.08	24.0	45	18.33	438.75	210	<0.50	<0.50	0.67	<0.50	<0.50	1.2	7.1
04/13/2005	P		457.08	24.0	45	14.02	443.06	740	1.8	<0.50	3.6	1.1	9.6	2.4	7.1

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #6113, 785 East Stanley Blvd., Livermore, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
<b>VW-1 Cont.</b>															
10/27/2005	P		457.08	24.0	45	17.65	439.43	1,500	78	73	36	81	13	1.64	7.3
04/12/2006	P		457.08	24.0	45	13.89	443.19	230	1.4	<0.50	2.2	0.76	1.6	1.4	7.3
10/31/2006	P		457.08	24.0	45	17.87	439.21	80	<0.50	<0.50	2.3	0.82	<0.50	--	7.76
<b>VW-2</b>															
8/29/2000	--	g	--	28	49.5	--	--	--	--	--	--	--	--	--	--
11/29/2000	--	g	--	28	49.5	--	--	--	--	--	--	--	--	--	--
5/2/2001	--		--	28	49.5	--	--	--	--	--	--	--	--	--	--
10/5/2001	--	g	--	28	49.5	--	--	--	--	--	--	--	--	--	--
1/21/2002	--	g	--	28	49.5	--	--	--	--	--	--	--	--	--	--
4/26/2002	--	m	--	28	49.5	--	--	--	--	--	--	--	--	--	--
10/7/2002	--	g	--	28	49.5	--	--	--	--	--	--	--	--	--	--
05/01/2003	--	c, g	--	28	49.5	--	--	--	--	--	--	--	--	--	--
10/03/2003	--	Well inaccessible g	--	28	49.5	--	--	--	--	--	--	--	--	--	--
04/06/2004	--		458.64	28	49.5	16.96	441.68	--	--	--	--	--	--	--	--
10/28/2004	--		458.64	28	49.5	19.35	439.29	--	--	--	--	--	--	--	--
04/13/2005	--		458.64	28	49.5	15.51	443.13	--	--	--	--	--	--	--	--
10/27/2005	--		458.64	28	49.5	18.50	440.14	--	--	--	--	--	--	--	--
04/12/2006	--		458.64	28	49.5	14.92	443.72	--	--	--	--	--	--	--	--
10/31/2006	--		458.64	28	49.5	19.01	439.63	--	--	--	--	--	--	--	--
<b>VW-3</b>															
8/29/2000	P		--	15.5	24	17.93	--	25,400	3,540	10,600	1,280	43,000	44,700	--	--
11/29/2000	P	s	--	15.5	24	19.75	--	54,200	9,450	1,870	2,350	9,400	12,300/15,100	0.47	--
5/2/2001	--	k	--	15.5	24	--	--	--	--	--	--	--	--	--	--
<b>VW-4</b>															
8/29/2000	--	g	--	17	30	--	--	--	--	--	--	--	--	--	--
11/29/2000	P	s	--	17	30	19.45	--	37,500	4,510	206	2,100	9,030	6,770/7,880	0.42	--
11/29/2000	--	q, s	--	17	30	--	--	36,100	3,700	206	1,850	7,890	6,430/8,460	--	--
5/2/2001	--		--	17	30	21.66	--	--	--	--	--	--	--	--	--
8/15/2001	--		--	17	30	--	--	--	--	--	--	--	--	--	--

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses

Station #6113, 785 East Stanley Blvd., Livermore, CA

Well and Sample Date	P/NP	Comments	TOC (feet msl)	Top of Screen (ft bgs)	Bottom of Screen (ft bgs)	DTW (feet bgs)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	pH
								GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE		
VW-4 Cont.															
10/5/2001	--	f	--	17	30	--	--	--	--	--	--	--	--	--	--
1/21/2002	--	f	--	17	30	--	--	--	--	--	--	--	--	--	--
4/26/2002	--	f	--	17	30	--	--	--	--	--	--	--	--	--	--
10/7/2002	--		--	17	30	19.25	--	--	--	--	--	--	--	--	--
05/01/2003	--	c	--	17	30	17.29	--	--	--	--	--	--	--	--	--
10/03/2003	P	d, n	--	17	30	19.10	--	48,000	3,300	1,700	3,600	21,000	1,600	10.5	6.7
04/06/2004	--		456.99	17	30	18.05	438.94	--	--	--	--	--	--	--	--
10/28/2004	--		456.99	17	30	18.71	438.28	--	--	--	--	--	--	--	--
04/13/2005	--		456.99	17	30	14.62	442.37	--	--	--	--	--	--	--	--
10/27/2005	--		456.99	17	30	18.00	438.99	--	--	--	--	--	--	--	--
04/12/2006	--		456.99	17	30	14.42	442.57	--	--	--	--	--	--	--	--
10/31/2006	--		456.99	17	30	18.30	438.69	--	--	--	--	--	--	--	--

ABBREVIATIONS & SYMBOLS:

-- = Not analyzed/applicable/measured/available  
< = Not detected at or above specified laboratory reporting limit  
DO = Dissolved oxygen  
DTW = Depth to water in ft bgs  
ft bgs = Feet below ground surface  
ft MSL = Feet above mean sea level  
GRO = Gasoline range organics  
GWE = Groundwater elevation measured in ft MSL  
mg/L = Milligrams per liter  
MTBE = Methyl tert-butyl ether  
NP = Well not purged prior to sampling  
P = Well purged prior to sampling  
TOC = Top of casing measured in ft MSL  
TPH-g = Total petroleum hydrocarbons as gasoline  
µg/L = Micrograms per liter

FOOTNOTES:

a = Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.  
b = Chromatogram Pattern: C6-C10.  
c = TPH-g, benzene, toluene, ethylbenzene, and total xylenes (BTEX), and MTBE analyzed using EPA Method 8260B beginning second quarter 2003 (05/01/03).  
d = This sample was analyzed 3 days after the EPA recommended holding time. The results may still be useful for their intended purpose.  
e = Well sampled annually in the fourth quarter.  
f = Well dry.  
g = Well inaccessible.  
h = Well sampled semi-annually in second and fourth quarters.  
k = Well abandoned.  
m = Unable to locate well.  
n = Sheen in well.  
q = Duplicate sample.  
r = Well removed from sampling schedule.  
s = Original sample analyzed by 8021B and confirmation by 8260.  
t = Bolts securing well box cover stripped at head. Unable to sample well.  
u = Hydrocarbon result partly due to individ. peak(s) in quant. range.  
v = pH measurement is believed to be erroneous.

NOTES:

Beginning in the second quarter 2003 (05/01/03) TPH-g and BTEX were analyzed using EPA Method 8260B, and MTBE was analyzed by EPA Method 8260B beginning in fourth quarter 2002. Prior to 05/01/03, TPH-g was analyzed by EPA Method 8015; BTEX by EPA Method 8021B (EPA method 8020 before 11/11/99); and MTBE by EPA Method 8021B. (EPA method 8020 before 11/11/99). Any MTBE detection by 8021B was confirmed by EPA Method 8260 beginning third quarter 2000 (08-29-00 results).

Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g was changed to GRO. The resulting data may be impacted by the potential of non-TPH-g analytes within the requested fuel range resulting in a higher concentration being reported.

Beginning in the second quarter 2004, the carbon range for GRO was changed from C6-C10 to C4-C12.

Wells were resurveyed to NAVD '88 datum by URS Corporation on March 8, 2004.

Values for DO and pH were obtained through field measurements.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**Table 2. Summary of Fuel Additives Analytical Data  
Station #6113, 785 East Stanley Blvd., Livermore, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-1</b>									
10/7/2002	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-2</b>									
10/7/2002	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-3</b>									
10/7/2002	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/03/2003	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	a
10/28/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/31/2006	<300	<20	22	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-4</b>									
10/7/2002	<400	<200	260	<5.0	<5.0	<5.0	<5.0	<5.0	
5/1/2003	<100	25	86	<0.50	<0.50	<0.50	<0.50	<0.50	
10/03/2003	<100	<20	22	<1.0	<1.0	<1.0	<0.50	<0.50	a
04/06/2004	<100	<20	17	<0.50	<0.50	<0.50	<0.50	<0.50	
10/28/2004	<100	<20	4.5	<0.50	<0.50	<0.50	<0.50	<0.50	
04/13/2005	<100	<20	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	
10/27/2005	<100	<20	22	<0.50	<0.50	<0.50	<0.50	<0.50	
04/12/2006	<300	<20	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	b
10/31/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-6</b>									
10/7/2002	<40	<20	8	<0.50	<0.50	<0.50	<0.50	<0.50	
5/1/2003	<100	<20	12	<0.50	<0.50	<0.50	<0.50	<0.50	
10/03/2003	<500	<100	120	<5.0	<5.0	<5.0	<2.5	<2.5	a
04/06/2004	<5,000	<1,000	1,700	<25	<25	<25	<25	<25	
10/28/2004	<5,000	<1,000	3,100	<25	<25	<25	<25	<25	
04/13/2005	<10,000	<2,000	3,900	<50	<50	<50	<50	<50	
10/27/2005	<10,000	<2,000	2,900	<50	<50	<50	<50	<50	b
04/12/2006	<30,000	<2,000	3,400	<50	<50	<50	<50	<50	b
10/31/2006	<15,000	<1,000	3,400	<25	<25	<25	<25	<25	b
<b>MW-7</b>									

**Table 2. Summary of Fuel Additives Analytical Data  
Station #6113, 785 East Stanley Blvd., Livermore, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-7 Cont.</b>									
10/7/2002	<40	<20	41	<0.50	<0.50	<0.50	<0.50	<0.50	
5/1/2003	<100	<20	43	<0.50	<0.50	<0.50	<0.50	<0.50	
10/03/2003	<200	<40	49	<2.0	<2.0	<2.0	<1.0	<1.0	a
04/06/2004	<100	<20	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	
10/28/2004	<100	<20	14	<0.50	<0.50	<0.50	<0.50	<0.50	
04/13/2005	<100	<20	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	
10/27/2005	<100	<20	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	b
04/12/2006	<300	<20	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	b
10/31/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
<b>MW-8</b>									
10/7/2002	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-9</b>									
10/7/2002	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/03/2003	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	a
10/28/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/27/2005	<100	<20	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	b
10/31/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
<b>MW-10</b>									
10/7/2002	<40	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/03/2003	<100	<20	<0.50	<1.0	<1.0	<1.0	<0.50	<0.50	a
10/28/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/27/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/31/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
<b>MW-11</b>									
10/7/2002	<40	<20	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	
5/1/2003	<100	<20	--	<0.50	<0.50	<0.50	<0.50	<0.50	
10/03/2003	<100	<20	3.1	<1.0	<1.0	<1.0	<0.50	<0.50	a
04/06/2004	<100	<20	14	<0.50	<0.50	<0.50	<0.50	<0.50	
10/28/2004	<100	<20	29	<0.50	<0.50	<0.50	<0.50	<0.50	



**Table 2. Summary of Fuel Additives Analytical Data  
Station #6113, 785 East Stanley Blvd., Livermore, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-11 Cont.</b>									
04/13/2005	<100	<20	3.7	<0.50	<0.50	<0.50	<0.50	<0.50	
10/27/2005	<100	<20	21	<0.50	<0.50	<0.50	<0.50	<0.50	
04/12/2006	--	--	--	--	--	--	--	--	Well inaccessible
<b>MW-12</b>									
04/06/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/28/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
04/13/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
10/27/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
04/12/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b
<b>MW-13</b>									
10/7/2002	<4,000	<2,000	2,800	<50	<50	<50	<50	<50	
5/1/2003	<10,000	<2,000	--	<50	<50	<50	<50	<50	
10/03/2003	<10,000	<2,000	2,400	<100	<100	<100	<50	<50	a
04/06/2004	<5,000	<1,000	1,800	<25	<25	<25	<25	<25	
10/28/2004	<5,000	<1,000	1,800	<25	<25	<25	<25	<25	
04/13/2005	<5,000	<1,000	920	<25	<25	<25	<25	<25	
10/27/2005	<2,000	<400	580	<10	<10	<10	<10	<10	
04/12/2006	<6,000	<400	470	<10	<10	<10	<10	<10	b
10/31/2006	<15,000	<1,000	710	<25	<25	<25	<25	<25	b
<b>VW-1</b>									
10/7/2002	<80	<40	--	<1.0	<1.0	<1.0	<1.0	<1.0	
5/1/2003	<100	<20	--	<0.50	<0.50	<0.50	<0.50	<0.50	
10/03/2003	<100	<20	12	<1.0	<1.0	<1.0	<0.50	<0.50	a
04/06/2004	<100	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	
10/28/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
04/13/2005	<100	<20	9.6	<0.50	<0.50	<0.50	<0.50	<0.50	
10/27/2005	<100	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	
04/12/2006	<300	<20	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	b
10/31/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	b

**Table 2. Summary of Fuel Additives Analytical Data  
Station #6113, 785 East Stanley Blvd., Livermore, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
VW-2									
10/03/2003	--	--	--	--	--	--	--	--	Well inaccessible
VW-4									
10/03/2003	<100,000	<20,000	1,600	<1,000	<1,000	<1,000	<500	<500	a

**ABBREVIATIONS & SYMBOLS:**

-- = Not analyzed/applicable/measured/available

< = Not detected at or above specified laboratory reporting limit

1,2-DCA = 1,2-Dichloroethane

DIPE = Di-isopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

µg/L = Micrograms per Liter

**FOOTNOTES:**

a = This sample was analyzed 3 days after the EPA recommended holding time. The results may still be useful for their intended purpose.

b = Calibration verification for ethanol was within method limits but outside contract limits.

**NOTES:**

All volatile organic compounds analyzed using EPA Method 8260B.

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**Table 3. Historical Ground-Water Flow Direction and Gradient**  
**Station #6113, 785 East Stanley Blvd., Livermore, CA**

<b>Date Sampled</b>	<b>Approximate Flow Direction</b>	<b>Approximate Hydraulic Gradient</b>
3/23/1995	Northwest	0.035
5/31/1995	North-Northwest	0.028
8/31/1995	North-Northwest	0.03
11/28/1995	North-Northwest	0.025
2/22/1996	North-Northwest	0.031
5/23/1996	North-Northwest	0.025
8/8/1996	North	0.019
11/7/1996	North-Northeast	0.019
3/27/1997	North-Northwest	0.021
5/19/1997	North	0.019
5/18/1998	North	0.02
11/2/1998	North	0.02
6/4/1999	North	0.02
11/11/1999	North	0.03
6/20/2000	North-Northeast	0.014
8/29/2000	North-Northeast	0.013
11/29/2000	North-Northwest	0.026
5/2/2001	Northeast	0.026
8/15/2001	Northeast	0.047
10/5/2001	Northeast	0.031
1/21/2002	Northeast	0.033
4/26/2002	Northeast	0.031
10/7/2002	Northeast	0.017
5/1/2003	North-Northeast	0.011
10/3/2003	North-Northeast	0.016
4/6/2004	North-Northeast	0.013
10/28/2004	North-Northeast	0.014
4/13/2005	North-Northwest	0.02
10/27/2005	North-Northwest	0.01 to 0.03
4/12/2006	Northeast	0.01
10/31/2006	Northeast	0.014

Note: The data within this table collected prior to April 2006 was provided to Broadbent & Associates, Inc. by Atlantic Richfield Company and their previous consultants. Broadbent & Associates, Inc. has not verified the accuracy of this information.

**APPENDIX A**

STRATUS ENVIRONMENTAL, INC. GROUNDWATER SAMPLING DATA PACKAGE  
(INCLUDES LABORATORY REPORT AND CHAIN OF CUSTODY  
DOCUMENTATION AND FIELD DATA SHEETS)



3330 Cameron Park Drive, Ste 550  
Cameron Park, California 95682  
(530) 676-6004 ~ Fax: (530) 676-6005

November 21, 2006

Mr. Rob Miller  
Broadbent & Associates  
2000 Kirman Ave.  
Reno, NV 89502

Re: Groundwater Sampling Data Package, BP Service Station No. 6113, located at 785 E. Stanley, Livermore, California (Quarterly Monitoring performed on October 31, 2006)

### **General Information**

*Data Submittal Prepared / Reviewed by:* Sandy Hayes / Jay Johnson

*Phone Number:* (530) 676-6000

*On-Site Supplier Representative:* Vince Zalutka

*Date:* October 31, 2006

*Arrival:* 03:45                      *Departure:* 13:50

*Weather Conditions:* Clear

*Unusual Field Conditions:* None

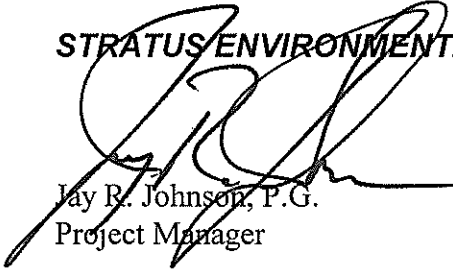
*Scope of Work Performed:* Quarterly monitoring and sampling

*Variations from Work Scope:* None noted

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include bill of lading, field data sheets, chain of custody documentation, and certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,

**STRATUS ENVIRONMENTAL, INC**

  
Jay R. Johnson, P.G.  
Project Manager



**Attachments:**

- Bill of Lading
- Field Data Sheets
- Chain of Custody Documentation
- Certified Analytical Results

CC: Mr. Paul Supple, BP/ARCO

ORIGINAL

BP GEM OIL COMPANY

TYPE A BILL OF LADING

SOURCE RECORD BILL OF LADING FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGEWATER WHICH HAS BEEN RECOVERED FROM GROUNDWATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY BELSHIRE ENVIRONMENTAL TO SEAPORT ENVIRONMENTAL IN REDWOOD CITY, CALIFORNIA.

The contractors performing this work are Stratus Environmental, Inc. [Stratus, 3330 Cameron Park Drive, Suite 550, Cameron Park, CA 95682, (530) 676-6004], and Dulous Environmental, Inc. [Dulous, PO Box 2559, Orangevale, CA 95662, (916) 990-0333]. Stratus is authorized by BP GEM OIL COMPANY to recover, collect, and apportion into loads the non-hazardous well purgewater that is drawn from wells at BP GEM Oil Company facilities and deliver that purgewater to BP GEM Oil Company facility 5786 located in West Sacramento, California. Dulous also performs these services under subcontract to Stratus. Transport routing of the non-hazardous well purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The non-hazardous well purgewater is and remains the property of BP GEM Oil Company.

This Source Record BILL OF LADING was initiated to cover the recovery of non-hazardous well purgewater from wells at the BP GEM Oil Company facility described below:

6113

Station #

785 E. Stanley, Livermore

Station Address

Total Gallons Collected From Groundwater Monitoring Wells:

463.5

Added Equipment

Any Other

Rinse Water

Adjustments

TOTAL GALS.

RECOVERED 463.5

loaded onto

Stratus vehicle #

Stratus Project #

time

date

Signature

V. Zaitsev

RECEIVED AT

5786

time

date

Unloaded by  
Signature

VZ

1800 10 13 106





Global ID: T0600100111  
 Site Address: 785 E. Stanley Blvd.  
 City: Livermore, CA  
 Sampled By: Vince Z

**ORIGINAL**

Site Number: 6113  
 Project No:  
 Project PM: Jay Johnson  
 Date: 10/31/06

Signature: VZ Date: 10-31-06

Water Level Data						Purge Volume Calculations					Well Purge Method				Sample Record			Field Data	
Well ID	Time	Depth to water feet	Top of Screen feet	Total Depth of well feet	Qtr. Meas. Depth of Well feet	Casing Water Column (A)	Well Diameter (Inches)	Multiplier Value (B)	Three Casing Volumes (Gallons)	Actual Water Purged (Gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample time	% Dissolved Oxygen	
MW-1	0422	19.18		44.55	44.55	25.37	2	0.5	12.5	—	X					MW-1	N/S	—	
MW-2	0409	19.48		38.62	38.62	19.24	2	0.5	9.5	—	X					MW-2	N/S	—	
MW-3	0518	19.14		38.98	38.98	19.84	2	0.5	39.5	39.5			X		19.33	MW-3	0915	45.0	
MW-4	0503	19.67		26.68	26.68	7.01	4	2	14	14		X			20.14	MW-4	0707	12.0	
MW-6	0608	18.85		66.3	66.5	47.65	4	2	95	95			X		18.90	MW-6	1150	N/M	
MW-7	0557	18.74		67.45	67.45	48.71	4	2	97	97			X		18.83	MW-7	1023	25.2	
MW-8	0438	18.12		66.44	66.44	48.32	4	2	96	—	X					MW-8	N/S	—	
MW-9	0449	17.97		67.92	67.80	49.83	4	2	100	100			X		17.91	MW-9	1330	27.2	
MW-10	0514	20.20		59.75	50.00	29.8	4	2	60	60					20.29	MW-10	0841	60.2	
MW-11				45			2	0.5								MW-11	N/S	—	
MW-12				34.04			2	0.5								MW-12	N/S	—	
MW-13	0611	19.06		30.39	30.30	10.7	2	0.5	5.8	5		X			25.00	MW-13	0758	13.5	
VW-1	0455	17.87		44.34	44.34	26.47	4	2	53	53			X		17.90	VW-1	1231	28.1	
VW-2	0527	19.01		48.95	48.95	29.94	4	2	60	—	X					VW-2	N/S	—	
VW-4	0541	18.30		24.5	24.5	6.2	4	2	12	—	X					VW-4	N/S	—	
TB 6113 10 31 2006															TB 6113 10 31 2006			0645	

Multiplier Values  
 2" = 0.5 3" = 1.0 4" = 2.0 6" = 4.4  
 (463.5)



Site Address 785 E. Stanley Blvd.  
 City Livermore, CA  
 Sampled By: VinceZ

Site Number 6113  
 Project No 0  
 Project PM Jay Johnson  
 Date 10/31/06

*ORIGINAL*

Well ID MW-1					Well ID MW-2				
purge start time					purge start time				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time				
time					time				
time					time				
time					time				
purge stop time					purge stop time				
Well ID MW-3 0915					Well ID MW-4 0707				
purge start time 0847 No Odor					purge start time Bailer Lite Odor				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	16.3	7.41	660	2	time	18.8	7.13	654	2
time	16.6	7.52	683	18	time	18.5	7.54	667	7
time	17.3	7.64	529	39.5	time	18.1	7.63	658	14
time					time				
purge stop time 0907					purge stop time				
Well ID MW-6					Well ID MW-7 1023				
Purge start time 1110 No Odor					Purge start time 0940 No Odor				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	18.4	7.80	717	2	time	17.3	7.57	697	2
time	18.2	7.83	720	47	time	17.8	7.80	722	46
time	20.2	10.36	694	95	time	20.7	7.55	712	97
time					time				
purge stop time 1140					purge stop time 1013				
Well ID MW-8					Well ID MW-9 1330				
purge start time					purge start time 1244 Lite Odor				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time	16.6	7.98	669	2
time					time	16.8	7.89	669	50
time					time	18.0	7.46	651	100
time					time				
purge stop time					purge stop time 1320				



Site Address 785 E. Stanley Blvd.  
 City Livermore, CA  
 Sampled By: VinceZ

Site Number 6113  
 Project No 0  
 Project PM Jay Johnson  
 Date 10/31/06

*ORIGINAL*

Well ID MW-10 0841					Well ID MW-11				
purge start time 08 11					purge start time				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time 08	16.6	7.75	707	0	time				
time	16.6	7.78	715	30	time				
time	19.1	7.30	559	60	time				
time					time				
purge stop time 08 33					purge stop time				
Well ID MW-12					Well ID MW-13				
purge start time					purge start time Bailor - odor				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time	18.9 <del>19.4</del>	6.87	1191	0
time					time	19.4	6.84 <del>6.81</del>	1204 <del>668</del>	2.5
time					time	19.0	16.87	1199	5.0
time					time				
purge stop time					purge stop time				
Well ID VW-1 1231					Well ID VW-2				
Purge start time 1203 No Odor					Purge start time				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	17.3	8.23	689	0	time				
time	17.1	8.09	686	30	time				
time	17.5	7.76	660	53	time				
time					time				
purge stop time 1223					purge stop time				
Well ID VW-4					Well ID 0				
purge start time <del>1203</del>					purge start time				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time				
time					time				
time					time				
time					time				
purge stop time					purge stop time				



# Chain of Custody Record

**ORIGINAL**

Project Name: ARCO 6113  
 BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > CA > Alameda > 6113  
 State or Lead Regulatory Agency: \_\_\_\_\_  
 Requested Due Date (mm/dd/yy): STD TAT

On-site Time: <u>0345</u>	Temp: <u>60'S</u>
Off-site Time: <u>1350</u>	Temp: <u>70'S</u>
Sky Conditions: <u>clear</u>	
Meteorological Events: <u>N/A</u>	
Wind Speed: _____	Direction: _____

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>6113</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>785 Stanley Blvd., Livermore, CA</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u>
<u>Morgan Hill, CA 95937</u>	Site Lat/Long: _____	<u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID #: <u>T060010011</u>	Consultant/Contractor Project No.: _____
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	Enfos Project No.: _____	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or RCOP (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u>	Phase/WBS: <u>04-Monitoring</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>cjewitt@stratusinc.net</u>
Tele/Fax: <u>925-275-3506</u>	Cost Element: <u>01-Contractor labor</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis							Comments			
				Soil/Solid	Water/Liquid	Air			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	BTEX 8021	BTEX/TPH	BTEX/Oxy*/TPHg	EPA 8260	EPA 8270	GR-BTEX	Soxy's		EDB	1,2-DCA	Ethanol
	MW-3	0915	1031		X		3											X	X	X	X	X		
	MW-4	0707	}		X		6											X	X	X	X	X		
	MW-6	1150						3											X	X	X	X	X	
	MW-7	1023						3											X	X	X	X	X	
	MW-9	1330						3											X	X	X	X	X	
	MW-10	0841						3											X	X	X	X	X	
	MW-13	0758						3											X	X	X	X	X	
	VW-1	1231	1031		X		3											X	X	X	X	X		
	TB 6113 10 31 2 006	0645	1031		X		2																	

8260 ALL  
 Sample Point Lat/Long and  
 Comments: Oxygenates include  
 MtBE, TAME, DIPE, EtBE, TBA,  
 ethanol, 1,2-DCA & EDB

4.3 °C

HOLD

Sampler's Name: <u>Vince Zalutka</u>	Relinquished By / Affiliation: _____	Date: _____	Time: _____	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>STRATUS</u>	<u>Vince Zalutka</u>	<u>10-31-06</u>	<u>1545</u>		<u>10/31</u>	<u>1545</u>
Shipment Date: <u>10-31-06</u>						
Shipment Method: <u>STRATUS</u>						
Shipment Tracking No: _____						

Special Instructions: Please cc results to bpvalley@secor.com

Custody Seals In Place Yes No Temp Blank Yes No Cooler Temperature on Receipt °F/C Trip Blank Yes No

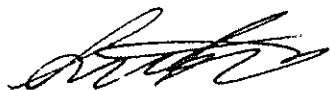
15 November, 2006

Jay Johnson  
Stratus Environmental Inc. [Arco]  
3330 Cameron Park Dr., Suite 550  
Cameron Park, CA 95682

RE: ARCO #6113, Livermore, CA  
Work Order: MPK0052

Enclosed are the results of analyses for samples received by the laboratory on 11/01/06 08:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race  
Senior Project Manager

CA ELAP Certificate # 1210

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: ARCO #6113, Livermore, CA Project Number: G0C54- Project Manager: Jay Johnson	MPK0052 Reported: 11/15/06 14:21
---	--	--

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	MPK0052-01	Water	10/31/06 09:15	11/01/06 08:00
MW-4	MPK0052-02	Water	10/31/06 07:07	11/01/06 08:00
MW-6	MPK0052-03	Water	10/31/06 11:50	11/01/06 08:00
MW-7	MPK0052-04	Water	10/31/06 10:23	11/01/06 08:00
MW-9	MPK0052-05	Water	10/31/06 13:30	11/01/06 08:00
MW-10	MPK0052-06	Water	10/31/06 08:41	11/01/06 08:00
MW-13	MPK0052-07	Water	10/31/06 07:58	11/01/06 08:00
VW-1	MPK0052-08	Water	10/31/06 12:31	11/01/06 08:00
TB611310312006	MPK0052-09	Water	10/31/06 06:45	11/01/06 08:00

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies.

These samples were received with no custody seals.

Stratus Environmental Inc. [Arco]  
3330 Cameron Park Dr., Suite 550  
Cameron Park CA, 95682

Project: ARCO #6113, Livermore, CA  
Project Number: G0C54-  
Project Manager: Jay Johnson

MPK0052  
Reported:  
11/15/06 14:21

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT)**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-3 (MPK0052-01) Water Sampled: 10/31/06 09:15 Received: 11/01/06 08:00</b>									
Gasoline Range Organics (C4-C12)	400	50	ug/l	1	6K08020	11/08/06	11/08/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		106 %	60-145		"	"	"	"	
<b>MW-4 (MPK0052-02) Water Sampled: 10/31/06 07:07 Received: 11/01/06 08:00</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6K08020	11/08/06	11/08/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		108 %	60-145		"	"	"	"	
<b>MW-6 (MPK0052-03) Water Sampled: 10/31/06 11:50 Received: 11/01/06 08:00</b>									
Gasoline Range Organics (C4-C12)	2700	2500	ug/l	50	6K06010	11/06/06	11/07/06	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		90 %	60-145		"	"	"	"	-
<b>MW-7 (MPK0052-04) Water Sampled: 10/31/06 10:23 Received: 11/01/06 08:00</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6K06010	11/06/06	11/07/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		90 %	60-145		"	"	"	"	
<b>MW-9 (MPK0052-05) Water Sampled: 10/31/06 13:30 Received: 11/01/06 08:00</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6K06010	11/06/06	11/07/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		88 %	60-145		"	"	"	"	
<b>MW-10 (MPK0052-06) Water Sampled: 10/31/06 08:41 Received: 11/01/06 08:00</b>									
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	6K06010	11/06/06	11/07/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		90 %	60-145		"	"	"	"	
<b>MW-13 (MPK0052-07) Water Sampled: 10/31/06 07:58 Received: 11/01/06 08:00</b>									
Gasoline Range Organics (C4-C12)	15000	2500	ug/l	50	6K09007	11/09/06	11/09/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		136 %	60-145		"	"	"	"	HY

Stratus Environmental Inc. [Arco]  
3330 Cameron Park Dr., Suite 550  
Cameron Park CA, 95682

Project: ARCO #6113, Livermore, CA  
Project Number: G0C54-  
Project Manager: Jay Johnson

MPK0052  
Reported:  
11/15/06 14:21

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT)**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
VW-1 (MPK0052-08) Water Sampled: 10/31/06 12:31 Received: 11/01/06 08:00										
Gasoline Range Organics (C4-C12)	80	50		ug/l	1	6K06010	11/06/06	11/07/06	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		87 %		60-145		"	"	"	"	



Stratus Environmental Inc. [Arco]  
3330 Cameron Park Dr., Suite 550  
Cameron Park CA, 95682

Project: ARCO #6113, Livermore, CA  
Project Number: G0C54-  
Project Manager: Jay Johnson

MPK0052  
Reported:  
11/15/06 14:21

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>MW-3 (MPK0052-01) Water Sampled: 10/31/06 09:15 Received: 11/01/06 08:00</b>										
tert-Amyl methyl ether	ND	0.50		ug/l	1	6K08020	11/08/06	11/08/06	EPA 8260B	
<b>Benzene</b>	<b>5.5</b>	<b>0.50</b>		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50		"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50		"	"	"	"	"	"	
Ethanol	ND	300		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>5.5</b>	<b>0.50</b>		"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>22</b>	<b>0.50</b>		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	-
<b>Xylenes (total)</b>	<b>9.6</b>	<b>0.50</b>		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %		75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %		60-145		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99 %		70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %		60-120		"	"	"	"	
<b>MW-4 (MPK0052-02) Water Sampled: 10/31/06 07:07 Received: 11/01/06 08:00</b>										
tert-Amyl methyl ether	ND	0.50		ug/l	1	6K08020	11/08/06	11/08/06	EPA 8260B	
Benzene	ND	0.50		"	"	"	"	"	"	
tert-Butyl alcohol	ND	20		"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50		"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50		"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50		"	"	"	"	"	"	
Ethanol	ND	300		"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Ethylbenzene	ND	0.50		"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50		"	"	"	"	"	"	
Toluene	ND	0.50		"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>ND</b>	<b>0.50</b>		"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %		75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %		60-145		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %		70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %		60-120		"	"	"	"	

Stratus Environmental Inc. [Arco]  
3330 Cameron Park Dr., Suite 550  
Cameron Park CA, 95682

Project: ARCO #6113, Livermore, CA  
Project Number: G0C54-  
Project Manager: Jay Johnson

MPK0052  
Reported:  
11/15/06 14:21

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-6 (MPK0052-03) Water Sampled: 10/31/06 11:50 Received: 11/01/06 08:00</b>									
tert-Amyl methyl ether	ND	25	ug/l	50	6K06010	11/06/06	11/07/06	EPA 8260B	
Benzene	ND	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	15000	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>3400</b>	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	-
Xylenes (total)	ND	25	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		89 %	75-130	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90 %	60-145	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		91 %	70-130	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %	60-120	"	"	"	"	"	
<b>MW-7 (MPK0052-04) Water Sampled: 10/31/06 10:23 Received: 11/01/06 08:00</b>									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6K06010	11/06/06	11/07/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %	75-130	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90 %	60-145	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90 %	70-130	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		90 %	60-120	"	"	"	"	"	

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**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-9 (MPK0052-05) Water Sampled: 10/31/06 13:30 Received: 11/01/06 08:00</b>									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6K06010	11/06/06	11/07/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	-
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %	75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88 %	60-145		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		90 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89 %	60-120		"	"	"	"	
<b>MW-10 (MPK0052-06) Water Sampled: 10/31/06 08:41 Received: 11/01/06 08:00</b>									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6K06010	11/06/06	11/07/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %	75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90 %	60-145		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		91 %	70-130		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89 %	60-120		"	"	"	"	

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**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-13 (MPK0052-07) Water Sampled: 10/31/06 07:58 Received: 11/01/06 08:00</b>									
tert-Amyl methyl ether	ND	25	ug/l	50	6K09007	11/09/06	11/09/06	EPA 8260B	
<b>Benzene</b>	<b>150</b>	25	"	"	"	"	"	"	
tert-Butyl alcohol	ND	1000	"	"	"	"	"	"	
Di-isopropyl ether	ND	25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	25	"	"	"	"	"	"	
Ethanol	ND	15000	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	25	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1700</b>	25	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>710</b>	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	-
<b>Xylenes (total)</b>	<b>400</b>	25	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		112 %	75-130	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		136 %	60-145	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %	70-130	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96 %	60-120	"	"	"	"	"	
<b>VW-1 (MPK0052-08) Water Sampled: 10/31/06 12:31 Received: 11/01/06 08:00</b>									
tert-Amyl methyl ether	ND	0.50	ug/l	1	6K06010	11/06/06	11/07/06	EPA 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	IC
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2.3</b>	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.82</b>	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		88 %	75-130	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87 %	60-145	"	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94 %	70-130	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %	60-120	"	"	"	"	"	

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**Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6K06010 - EPA 5030B P/T / LUFT GCMS**

<b>Blank (6K06010-BLK1)</b>										
					Prepared: 11/06/06 Analyzed: 11/07/06					
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.18		"	2.50		87	60-145			
<b>Laboratory Control Sample (6K06010-BS2)</b>										
					Prepared & Analyzed: 11/06/06					
Gasoline Range Organics (C4-C12)	404	50	ug/l	440		92	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.26		"	2.50		90	60-145			
<b>Laboratory Control Sample Dup (6K06010-BSD2)</b>										
					Prepared & Analyzed: 11/06/06					
Gasoline Range Organics (C4-C12)	405	50	ug/l	440		92	75-140	0.2	20	-
Surrogate: 1,2-Dichloroethane-d4	2.18		"	2.50		87	60-145			

**Batch 6K08020 - EPA 5030B P/T / LUFT GCMS**

<b>Blank (6K08020-BLK1)</b>										
					Prepared & Analyzed: 11/08/06					
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.61		"	2.50		104	60-145			
<b>Laboratory Control Sample (6K08020-BS2)</b>										
					Prepared & Analyzed: 11/08/06					
Gasoline Range Organics (C4-C12)	398	50	ug/l	440		90	75-140			
Surrogate: 1,2-Dichloroethane-d4	2.62		"	2.50		105	60-145			
<b>Laboratory Control Sample Dup (6K08020-BSD2)</b>										
					Prepared & Analyzed: 11/08/06					
Gasoline Range Organics (C4-C12)	395	50	ug/l	440		90	75-140	0.8	20	
Surrogate: 1,2-Dichloroethane-d4	2.63		"	2.50		105	60-145			

**Batch 6K09007 - EPA 5030B P/T / LUFT GCMS**

<b>Blank (6K09007-BLK1)</b>										
					Prepared & Analyzed: 11/09/06					
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.88		"	2.50		115	60-145			

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MPK0052  
Reported:  
11/15/06 14:21

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6K09007 - EPA 5030B P/T / LUFT GCMS**

<b>Laboratory Control Sample (6K09007-BS2)</b>				<b>Prepared &amp; Analyzed: 11/09/06</b>						
Gasoline Range Organics (C4-C12)	444	50	ug/l	440	101	75-140				
Surrogate: 1,2-Dichloroethane-d4	3.05		"	2.50	122	60-145				
<b>Laboratory Control Sample Dup (6K09007-BS2)</b>				<b>Prepared &amp; Analyzed: 11/09/06</b>						
Gasoline Range Organics (C4-C12)	439	50	ug/l	440	100	75-140	1	20		
Surrogate: 1,2-Dichloroethane-d4	3.01		"	2.50	120	60-145				

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6K06010 - EPA 5030B P/T / EPA 8260B**

Blank (6K06010-BLK1)				Prepared: 11/06/06 Analyzed: 11/07/06						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.24		"	2.50		90	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.18		"	2.50		87	60-145			
<i>Surrogate: Toluene-d8</i>	2.29		"	2.50		92	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.27		"	2.50		91	60-120			

Laboratory Control Sample (6K06010-BS1)				Prepared & Analyzed: 11/06/06						
tert-Amyl methyl ether	10.5	0.50	ug/l	10.0		105	65-135			
Benzene	10.6	0.50	"	10.0		106	70-125			
tert-Butyl alcohol	206	5.0	"	200		103	60-135			
Di-isopropyl ether	10.0	0.50	"	10.0		100	70-130			
1,2-Dibromoethane (EDB)	11.3	0.50	"	10.0		113	80-125			
1,2-Dichloroethane	10.3	0.50	"	10.0		103	75-125			
Ethanol	136	300	"	200		68	15-150			
Ethyl tert-butyl ether	9.89	0.50	"	10.0		99	65-130			
Ethylbenzene	11.7	0.50	"	10.0		117	70-130			
Methyl tert-butyl ether	9.91	0.50	"	10.0		99	50-140			
Toluene	11.0	0.50	"	10.0		110	70-120			
Xylenes (total)	35.1	0.50	"	30.0		117	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.28		"	2.50		91	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.20		"	2.50		88	60-145			
<i>Surrogate: Toluene-d8</i>	2.32		"	2.50		93	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.22		"	2.50		89	60-120			

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**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6K06010 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (6K06010-MS1)	Source: MPK0052-03			Prepared & Analyzed: 11/06/06						
tert-Amyl methyl ether	529	25	ug/l	500	ND	106	65-135			
Benzene	534	25	"	500	6.0	106	70-125			
tert-Butyl alcohol	10300	250	"	10000	ND	103	60-135			
Di-isopropyl ether	492	25	"	500	ND	98	70-130			
1,2-Dibromoethane (EDB)	570	25	"	500	ND	114	80-125			
1,2-Dichloroethane	514	25	"	500	ND	103	75-125			
Ethanol	9120	15000	"	10000	ND	91	15-150			
Ethyl tert-butyl ether	490	25	"	500	ND	98	65-130			
Ethylbenzene	588	25	"	500	ND	118	70-130			
Methyl tert-butyl ether	3830	25	"	500	3400	86	50-140			
Toluene	558	25	"	500	ND	112	70-120			
Xylenes (total)	1780	25	"	1500	ND	119	80-125			
Surrogate: Dibromofluoromethane	2.27		"	2.50		91	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.15		"	2.50		86	60-145			
Surrogate: Toluene-d8	2.29		"	2.50		92	70-130			
Surrogate: 4-Bromofluorobenzene	2.28		"	2.50		91	60-120			

Matrix Spike Dup (6K06010-MSD1)	Source: MPK0052-03			Prepared & Analyzed: 11/06/06						
tert-Amyl methyl ether	531	25	ug/l	500	ND	106	65-135	0.4	25	
Benzene	545	25	"	500	6.0	108	70-125	2	15	
tert-Butyl alcohol	10500	250	"	10000	ND	105	60-135	2	35	
Di-isopropyl ether	500	25	"	500	ND	100	70-130	2	35	
1,2-Dibromoethane (EDB)	578	25	"	500	ND	116	80-125	1	15	
1,2-Dichloroethane	522	25	"	500	ND	104	75-125	2	10	
Ethanol	5940	15000	"	10000	ND	59	15-150	42	35	RB
Ethyl tert-butyl ether	490	25	"	500	ND	98	65-130	0	35	
Ethylbenzene	603	25	"	500	ND	121	70-130	3	15	
Methyl tert-butyl ether	3890	25	"	500	3400	98	50-140	2	25	
Toluene	570	25	"	500	ND	114	70-120	2	15	
Xylenes (total)	1800	25	"	1500	ND	120	80-125	1	15	
Surrogate: Dibromofluoromethane	2.29		"	2.50		92	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.19		"	2.50		88	60-145			
Surrogate: Toluene-d8	2.33		"	2.50		93	70-130			
Surrogate: 4-Bromofluorobenzene	2.22		"	2.50		89	60-120			



Stratus Environmental Inc. [Arco]  
3330 Cameron Park Dr., Suite 550  
Cameron Park CA, 95682

Project: ARCO #6113, Livermore, CA  
Project Number: G0C54-  
Project Manager: Jay Johnson

MPK0052  
Reported:  
11/15/06 14:21

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6K08020 - EPA 5030B P/T / EPA 8260B**

Blank (6K08020-BLK1)				Prepared & Analyzed: 11/08/06						
tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.39		"	2.50		96	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.61		"	2.50		104	60-145			
<i>Surrogate: Toluene-d8</i>	2.43		"	2.50		97	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.47		"	2.50		99	60-120			

Laboratory Control Sample (6K08020-BS1)				Prepared & Analyzed: 11/08/06						
tert-Amyl methyl ether	11.1	0.50	ug/l	10.0		111	65-135			
Benzene	10.8	0.50	"	10.0		108	70-125			
tert-Butyl alcohol	207	20	"	200		104	60-135			
Di-isopropyl ether	11.4	0.50	"	10.0		114	70-130			
1,2-Dibromoethane (EDB)	10.7	0.50	"	10.0		107	80-125			
1,2-Dichloroethane	11.1	0.50	"	10.0		111	75-125			
Ethanol	255	300	"	200		128	15-150			
Ethyl tert-butyl ether	11.1	0.50	"	10.0		111	65-130			
Ethylbenzene	11.0	0.50	"	10.0		110	70-130			
Methyl tert-butyl ether	10.7	0.50	"	10.0		107	50-140			
Toluene	10.4	0.50	"	10.0		104	70-120			
Xylenes (total)	33.5	0.50	"	30.0		112	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.44		"	2.50		98	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.55		"	2.50		102	60-145			
<i>Surrogate: Toluene-d8</i>	2.46		"	2.50		98	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.60		"	2.50		104	60-120			

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MPK0052  
Reported:  
11/15/06 14:21

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6K08020 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (6K08020-MS1)	Source: MPK0052-02			Prepared & Analyzed: 11/08/06						
tert-Amyl methyl ether	10.9	0.50	ug/l	10.0	ND	109	65-135			
Benzene	10.9	0.50	"	10.0	ND	109	70-125			
tert-Butyl alcohol	217	20	"	200	ND	108	60-135			
Di-isopropyl ether	10.3	0.50	"	10.0	ND	103	70-130			
1,2-Dibromoethane (EDB)	11.3	0.50	"	10.0	ND	113	80-125			
1,2-Dichloroethane	10.6	0.50	"	10.0	ND	106	75-125			
Ethanol	232	300	"	200	ND	116	15-150			
Ethyl tert-butyl ether	10.5	0.50	"	10.0	ND	105	65-130			
Ethylbenzene	10.9	0.50	"	10.0	ND	109	70-130			
Methyl tert-butyl ether	10.6	0.50	"	10.0	ND	106	50-140			
Toluene	11.1	0.50	"	10.0	ND	111	70-120			
Xylenes (total)	34.8	0.50	"	30.0	ND	116	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.52		"	2.50		101	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.31		"	2.50		92	60-145			
<i>Surrogate: Toluene-d8</i>	2.49		"	2.50		100	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.45		"	2.50		98	60-120			
Matrix Spike Dup (6K08020-MSD1)	Source: MPK0052-02			Prepared & Analyzed: 11/08/06						
tert-Amyl methyl ether	9.52	0.50	ug/l	10.0	ND	95	65-135	14	25	
Benzene	9.44	0.50	"	10.0	ND	94	70-125	14	15	
tert-Butyl alcohol	194	20	"	200	ND	97	60-135	11	35	
Di-isopropyl ether	8.82	0.50	"	10.0	ND	88	70-130	15	35	
1,2-Dibromoethane (EDB)	9.61	0.50	"	10.0	ND	96	80-125	16	15	RB
1,2-Dichloroethane	9.13	0.50	"	10.0	ND	91	75-125	15	10	RB
Ethanol	210	300	"	200	ND	105	15-150	10	35	
Ethyl tert-butyl ether	8.97	0.50	"	10.0	ND	90	65-130	16	35	
Ethylbenzene	9.46	0.50	"	10.0	ND	95	70-130	14	15	
Methyl tert-butyl ether	9.17	0.50	"	10.0	ND	92	50-140	14	25	
Toluene	9.51	0.50	"	10.0	ND	95	70-120	15	15	
Xylenes (total)	30.1	0.50	"	30.0	ND	100	80-125	14	15	
<i>Surrogate: Dibromofluoromethane</i>	2.53		"	2.50		101	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.35		"	2.50		94	60-145			
<i>Surrogate: Toluene-d8</i>	2.45		"	2.50		98	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.44		"	2.50		98	60-120			

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MPK0052  
Reported:  
11/15/06 14:21

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 6K09007 - EPA 5030B P/T / EPA 8260B

##### Blank (6K09007-BLK1)

Prepared & Analyzed: 11/09/06

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.64		"	2.50		106	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.88		"	2.50		115	60-145			
<i>Surrogate: Toluene-d8</i>	2.39		"	2.50		96	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.25		"	2.50		90	60-120			

##### Laboratory Control Sample (6K09007-BS1)

Prepared & Analyzed: 11/09/06

tert-Amyl methyl ether	8.41	0.50	ug/l	10.0		84	65-135			
Benzene	9.18	0.50	"	10.0		92	70-125			
tert-Butyl alcohol	182	20	"	200		91	60-135			
Di-isopropyl ether	10.1	0.50	"	10.0		101	70-130			
1,2-Dibromoethane (EDB)	8.97	0.50	"	10.0		90	80-125			
1,2-Dichloroethane	10.1	0.50	"	10.0		101	75-125			
Ethanol	226	300	"	200		113	15-150			
Ethyl tert-butyl ether	9.22	0.50	"	10.0		92	65-130			
Ethylbenzene	9.39	0.50	"	10.0		94	70-130			
Methyl tert-butyl ether	9.38	0.50	"	10.0		94	50-140			
Toluene	9.00	0.50	"	10.0		90	70-120			
Xylenes (total)	29.3	0.50	"	30.0		98	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.60		"	2.50		104	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.75		"	2.50		110	60-145			
<i>Surrogate: Toluene-d8</i>	2.56		"	2.50		102	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.49		"	2.50		100	60-120			

TestAmerica - Morgan Hill, CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

Stratus Environmental Inc. [Arco]  
3330 Cameron Park Dr., Suite 550  
Cameron Park CA, 95682

Project: ARCO #6113, Livermore, CA  
Project Number: G0C54-  
Project Manager: Jay Johnson

MPK0052  
Reported:  
11/15/06 14:21

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6K09007 - EPA 5030B P/T / EPA 8260B**

<b>Matrix Spike (6K09007-MS1)</b>	<b>Source: MPJ1081-03</b>			<b>Prepared &amp; Analyzed: 11/09/06</b>						
tert-Amyl methyl ether	95.9	5.0	ug/l	100	ND	96	65-135			
Benzene	98.0	5.0	"	100	ND	98	70-125			
tert-Butyl alcohol	1910	200	"	2000	ND	96	60-135			
Di-isopropyl ether	114	5.0	"	100	ND	114	70-130			
1,2-Dibromoethane (EDB)	100	5.0	"	100	ND	100	80-125			
1,2-Dichloroethane	118	5.0	"	100	ND	118	75-125			
Ethanol	2620	3000	"	2000	ND	131	15-150			
Ethyl tert-butyl ether	105	5.0	"	100	ND	105	65-130			
Ethylbenzene	101	5.0	"	100	ND	101	70-130			
Methyl tert-butyl ether	114	5.0	"	100	ND	114	50-140			
Toluene	97.7	5.0	"	100	ND	98	70-120			
Xylenes (total)	315	5.0	"	300	ND	105	80-125			
<i>Surrogate: Dibromofluoromethane</i>	<i>2.71</i>		<i>"</i>	<i>2.50</i>		<i>108</i>	<i>75-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>3.18</i>		<i>"</i>	<i>2.50</i>		<i>127</i>	<i>60-145</i>			
<i>Surrogate: Toluene-d8</i>	<i>2.60</i>		<i>"</i>	<i>2.50</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>2.63</i>		<i>"</i>	<i>2.50</i>		<i>105</i>	<i>60-120</i>			

<b>Matrix Spike Dup (6K09007-MSD1)</b>	<b>Source: MPJ1081-03</b>			<b>Prepared &amp; Analyzed: 11/09/06</b>						
tert-Amyl methyl ether	97.7	5.0	ug/l	100	ND	98	65-135	2	25	
Benzene	101	5.0	"	100	ND	101	70-125	3	15	
tert-Butyl alcohol	1890	200	"	2000	ND	94	60-135	1	35	
Di-isopropyl ether	116	5.0	"	100	ND	116	70-130	2	35	
1,2-Dibromoethane (EDB)	102	5.0	"	100	ND	102	80-125	2	15	
1,2-Dichloroethane	118	5.0	"	100	ND	118	75-125	0	10	
Ethanol	2560	3000	"	2000	ND	128	15-150	2	35	
Ethyl tert-butyl ether	108	5.0	"	100	ND	108	65-130	3	35	
Ethylbenzene	99.1	5.0	"	100	ND	99	70-130	2	15	
Methyl tert-butyl ether	116	5.0	"	100	ND	116	50-140	2	25	
Toluene	99.4	5.0	"	100	ND	99	70-120	2	15	
Xylenes (total)	306	5.0	"	300	ND	102	80-125	3	15	
<i>Surrogate: Dibromofluoromethane</i>	<i>2.75</i>		<i>"</i>	<i>2.50</i>		<i>110</i>	<i>75-130</i>			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>3.05</i>		<i>"</i>	<i>2.50</i>		<i>122</i>	<i>60-145</i>			
<i>Surrogate: Toluene-d8</i>	<i>2.60</i>		<i>"</i>	<i>2.50</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>2.52</i>		<i>"</i>	<i>2.50</i>		<i>101</i>	<i>60-120</i>			

Stratus Environmental Inc. [Arco]  
3330 Cameron Park Dr., Suite 550  
Cameron Park CA, 95682

Project: ARCO #6113, Livermore, CA  
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MPK0052  
Reported:  
11/15/06 14:21

**Notes and Definitions**

RB RPD exceeded method control limit; % recoveries within limits.  
PV Hydrocarbon result partly due to individ. peak(s) in quant. range  
IC Calib. verif. is within method limits but outside contract limits  
HY Surrogate recov. unquantifiable; coeluting organics in sample  
DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference



# Chain of Custody Record

Project Name: ARCO 6113  
 BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > CA > Alameda > 613  
 State or Lead Regulatory Agency: \_\_\_\_\_  
 Requested Due Date (mm/dd/yy): STD TAT

On-site Time: <u>0345</u>	Temp: <u>60'S</u>
Off-site Time: <u>1350</u>	Temp: <u>70'S</u>
Sky Conditions: <u>clear</u>	
Meteorological Events: <u>N/A</u>	
Wind Speed: _____	Direction: <u>✓</u>

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>6113</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u> <u>Morgan Hill, CA 95937</u>	BP/AR Facility Address: <u>785 Stanley Blvd., Livermore, CA</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u> <u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	Site Lat/Long: _____	Consultant/Contractor Project No.: _____
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	California Global ID #: <u>T060010011</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Enfos Project No.: _____	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u> <u>San Ramon, CA</u>	Provision or RCOP (circle one) <u>Provision</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
Tele/Fax: <u>925-275-3506</u>	Phase/WBS: <u>04-Monitoring</u>	E-mail EDD To: <u>cjewitt@stratusinc.net</u>
	Sub Phase/Task: <u>03-Analytical</u>	Invoice to: <u>Atlantic Richfield Co.</u>
	Cost Element: <u>01-Contractor labor</u>	

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis							8260 ALL Sample Point Lat/Long and Comments: Oxygenates include MIBE, TAME, DIPE, E1BE, TBA, ethanol, 1,2-DCA & EDB			
				Soil/Solid	Water/Liquid	Air			Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	BTEX 8021	BTEX/TPH	BTEX/Oxy*/TPHg	EPA 8260	EPA 8270	GRo-BTEX	SOX's		EDB	1,2-DCA	Ethanol
	MW-3	0915	1031		X		MPK005Z	3										X	X	X	X	X		
	MW-4	0707						6																
	MW-6	1150						3																
	MW-7	1023						5																
	MW-9	1330						3																
	MW-10	0841						3																
	MW-13	0758						3																
	VW-1	1231	1031		X			3				X						X	X	X	X	X		4.30C
	TB 6113 10 31 2006	0645	1031		X			2																HOLD

Sampler's Name: <u>Vince Zalutka</u>	Relinquished By / Affiliation: <u>Vince Zalutka</u>	Date: <u>10-31-06</u>	Time: <u>1545</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>10/31/06</u>	Time: <u>1545</u>
Sampler's Company: <u>STRATUS</u>						
Shipment Date: <u>10-31-06</u>						
Shipment Method: <u>STRATUS</u>						
Shipment Tracking No: _____						

Special Instructions: Please cc results to bpvalley@secor.com

Seals In Place Yes  No  Temp Blank Yes  No  Cooler Temperature on Receipt 4.4°F(C) Trip Blank Yes  No   
 Note: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor  
 BP COC Rev. 4 10/1/04

## TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: AGCO 6113  
 REC. BY (PRINT): [Signature]  
 WORKORDER: MPK0052

DATE REC'D AT LAB: 11/11/06  
 TIME REC'D AT LAB: 08:00  
 DATE LOGGED IN: 11/10/06

For Regulatory Purposes?  
 DRINKING WATER YES / NO  
 WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*	01	MW-3	VW-3	NCL	-	L	11/11/06	
	02	4	VW-6	MCL				
2. Chain-of-Custody Present / Absent*	03	6	VW-3					
3. Traffic Reports or Packing List: Present / Absent	04	7						
	05	8						
4. Airbill: Airbill / Sticker Present / Absent	06	10						
	07	13						
5. Airbill #: <u>D10010105596083</u>	08	VW-1						
6. Sample Labels: Present / Absent								
7. Sample IDs: Listed / Not Listed on Chain-of-Custody								
8. Sample Condition: Intact / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*								
10. Sample received within hold time? Yes / No*								
11. Adequate sample volume received? Yes / No*								
12. Proper preservatives used? Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*								
14. Read Temp: <u>3.4</u> Corrected Temp: <u>4.4</u> Is corrected temp 4 +/- 2°C? Yes / No**								

11/11/06

(Acceptance range for samples requiring thermal pres.)  
 \*\*Exception (if any): METALS / DIFF ON ICE or Problem COC

\*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

**APPENDIX B**

**GEOTRACKER UPLOAD CONFIRMATION**