



Alameda-Contra Costa Transit District

June 30, 2011

Mr. Mark Detterman
Alameda County Health Division
Division of Environmental Protection
Department of Environmental Health
1131 Harbor Bay Parkway, Second Floor
Alameda, CA 94502

RECEIVED

8:50 am, Jul 11, 2011
Alameda County
Environmental Health

Dear Mr. Detterman:

Subject: Groundwater Monitoring Report – Second Quarter 2011
AC Transit, 1177 47th Street, Emeryville

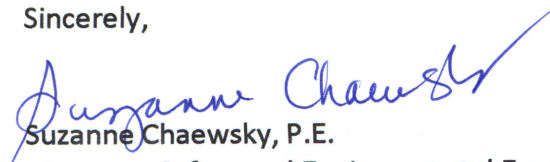
AC Transit hereby submits the enclosed groundwater monitoring report for the AC Transit facility located at 1177 47th Street in Emeryville. The report was prepared by our consultant, Cameron-Cole, and contains the results of groundwater monitoring performed on May 24, 2011, from five monitoring wells. Well MW-13 was measured to have 0.03 feet of free product and was not sampled for chemical analysis.

Sampling results indicated total petroleum hydrocarbons (TPH) as degraded gasoline or diesel were not measured above the environmental screening level (ESL) of 210 µg/l in any monitoring well. Benzene was not detected above the ESL of 1 µg/l in any well and MTBE was not detected above the ESL of 13 µg/l in any well. Monthly purging of well MW-13 continues to be performed as an interim remedial measure.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or comments regarding the enclosed report, please call me at (510) 577-8869.

Sincerely,


Suzanne Chaewsky, P.E.
Manager, Safety and Environmental Engineering

Enclosure

**SECOND QUARTER 2011
GROUNDWATER MONITORING REPORT
FOR THE AC TRANSIT FACILITY
LOCATED AT 1177 47th STREET,
EMERYVILLE, CALIFORNIA**

July 2011

Prepared For:

Ms. Suzanne Chaewsky
AC Transit
10626 International Boulevard
Oakland, California 94603



Prepared By:

Cameron-Cole
50 Hegenberger Loop
Oakland, California 94621



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Brad Wright
Reviewed By
Brad Wright, PG, CHG
Principle Hydrogeologist



Dennis C. Baker
Written By
Dennis Baker
Environmental Specialist

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INTRODUCTION

This report presents the results from the second quarter 2011 groundwater monitoring event for the AC Transit Facility located at 1177 47th Street, Emeryville, California (Figure 1). The second quarter 2011 groundwater monitoring event was performed by Cameron-Cole on May 24, 2011, in accordance with directives from Alameda County Health Care Services (ACHCS).

GROUNDWATER MONITORING

Work performed during this sampling event included measuring for the presences of free-phase hydrocarbons and depth to water in 19 monitor wells, collecting groundwater samples from five monitor wells (MW-11, MW-12, and MW-14 through MW-16), and overpurging monitor well MW-13. A groundwater sample was not collected from MW-13 due to the presence of a free-phase hydrocarbon layer. The groundwater samples were analyzed for total extractable petroleum hydrocarbons (TEPH) as gasoline (TPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary-butyl ether (MTBE) by Environmental Protection Agency (EPA) Method 8260B, and for TEPH as diesel and motor oil (TPH-d and TPH-m) using EPA Method 8015 Modified. Prior to conducting EPA Method 8015 Modified, the laboratory prepared the TPH-d and TPH-m samples utilizing silica gel cleanup.

Figure 2 displays all the site monitor wells. Chain-of-custody documents, field data sheets, and certified analytical reports are included in Appendix A.

Groundwater Elevations and Flow Direction

On May 24, 2011, all 19 monitor wells (16 on-site and 3 off-site) were inspected and measured for the presence of free-phase hydrocarbons and depth to groundwater. Measurements of the depths to groundwater are presented in Table 1 and were used to construct the groundwater elevation contours in Figure 2. As shown, groundwater flow is to the west at a gradient of 0.035 feet/foot. Monitor well MW-13 was the only well with a free-phase hydrocarbon layer, which measured 0.03 feet. Overpurging of MW-13 was performed to remove the free-phase hydrocarbon layer. Overpurging of

MW-13 has been conducted monthly since March 2009 (Table 3).

Groundwater Sampling Activities

Prior to sample collection, the monitor wells were purged a minimum of three casing volumes using a centrifugal pump. Samples were collected using disposable polyethylene bailers. During well purging, field parameters for temperature, electrical conductivity, pH, and turbidity were monitored using calibrated field meters.

Groundwater samples were collected in 40-milliliter glass vials preserved with hydrochloric acid for analysis by EPA Method 8260B and one-liter non-preserved amber glass containers for analysis by EPA Method 8015 M and placed in an ice-filled cooler for shipment under chain-of-custody to a State of California certified laboratory. A trip blank was submitted for analysis by EPA Method 8260B.

Groundwater Analytical Results

Table 2 presents the groundwater analytical results for the second quarter 2011 sampling event. TPH as degraded diesel or degraded gasoline was not detected above the environmental screening level (ESL) of 210 micrograms per liter (ug/l) in any monitor well. Benzene was not detected above the ESL of 1.0 ug/l in any monitor well. MTBE was not detected above the ESL of 13 ug/l in any monitor well. No analytes were detected in the trip blank or method blank. A lab control spike and lab control spike duplicate passed the EPA's criteria for acceptance.

SUMMARY OF RESULTS

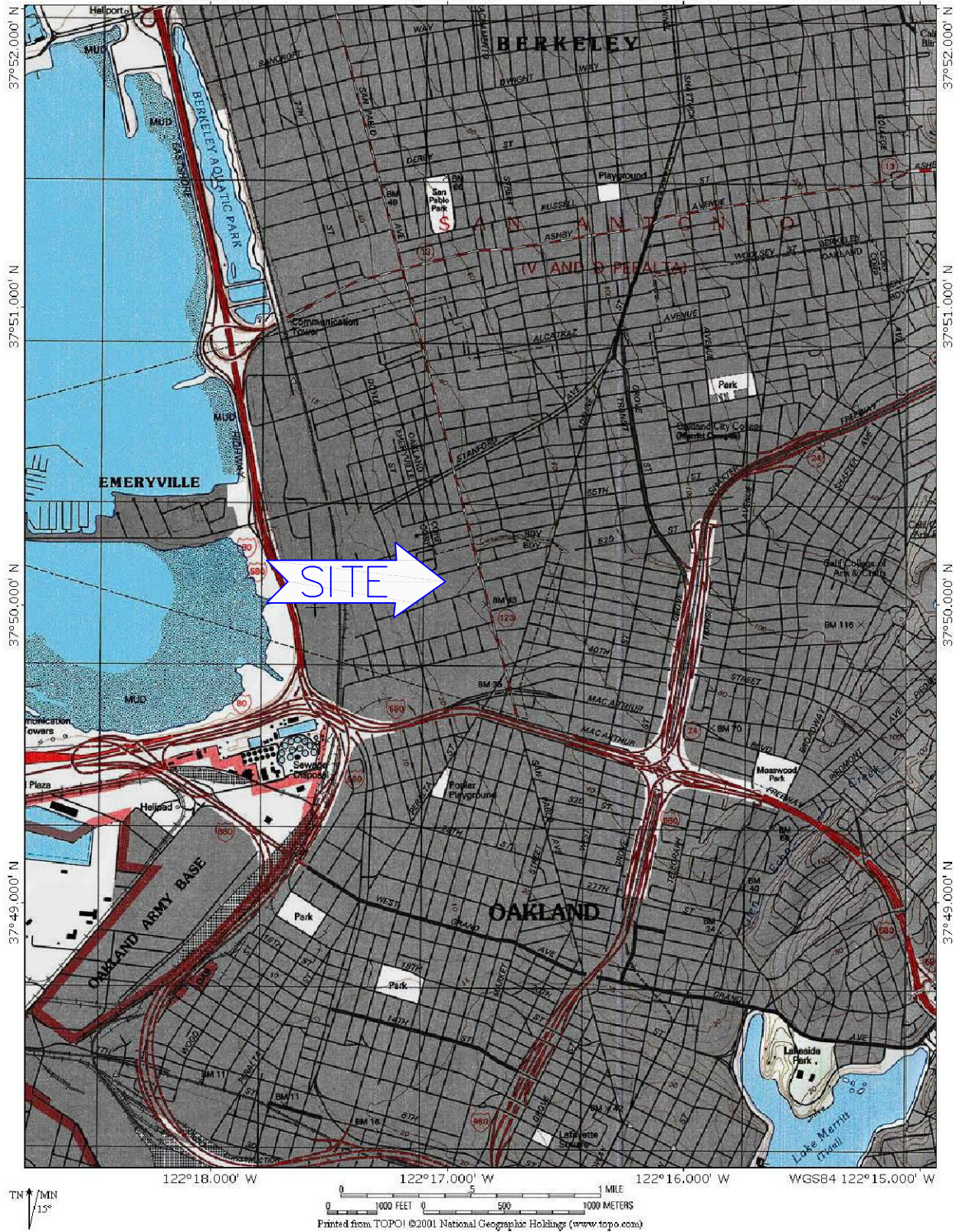
- Groundwater flow is to the west at a gradient of 0.035 feet/foot.
- The free phase hydrocarbon layer measured in MW-13 was removed by overpurging the well.

- No analytes were detected above the ESL in any of the five monitor wells sampled.

PROJECTED WORK AND RECOMMENDATIONS

Quarterly groundwater sampling of monitor wells MW-1 through MW-12, MW-14 through MW-16, and W1 is scheduled for November 2011. This event will include site-wide depth to groundwater level measurements, including inspection of each monitor well for free-phase hydrocarbon. Additionally, monthly overpurging of MW-13 to remove the free-phase hydrocarbon layer will continue.

FIGURES



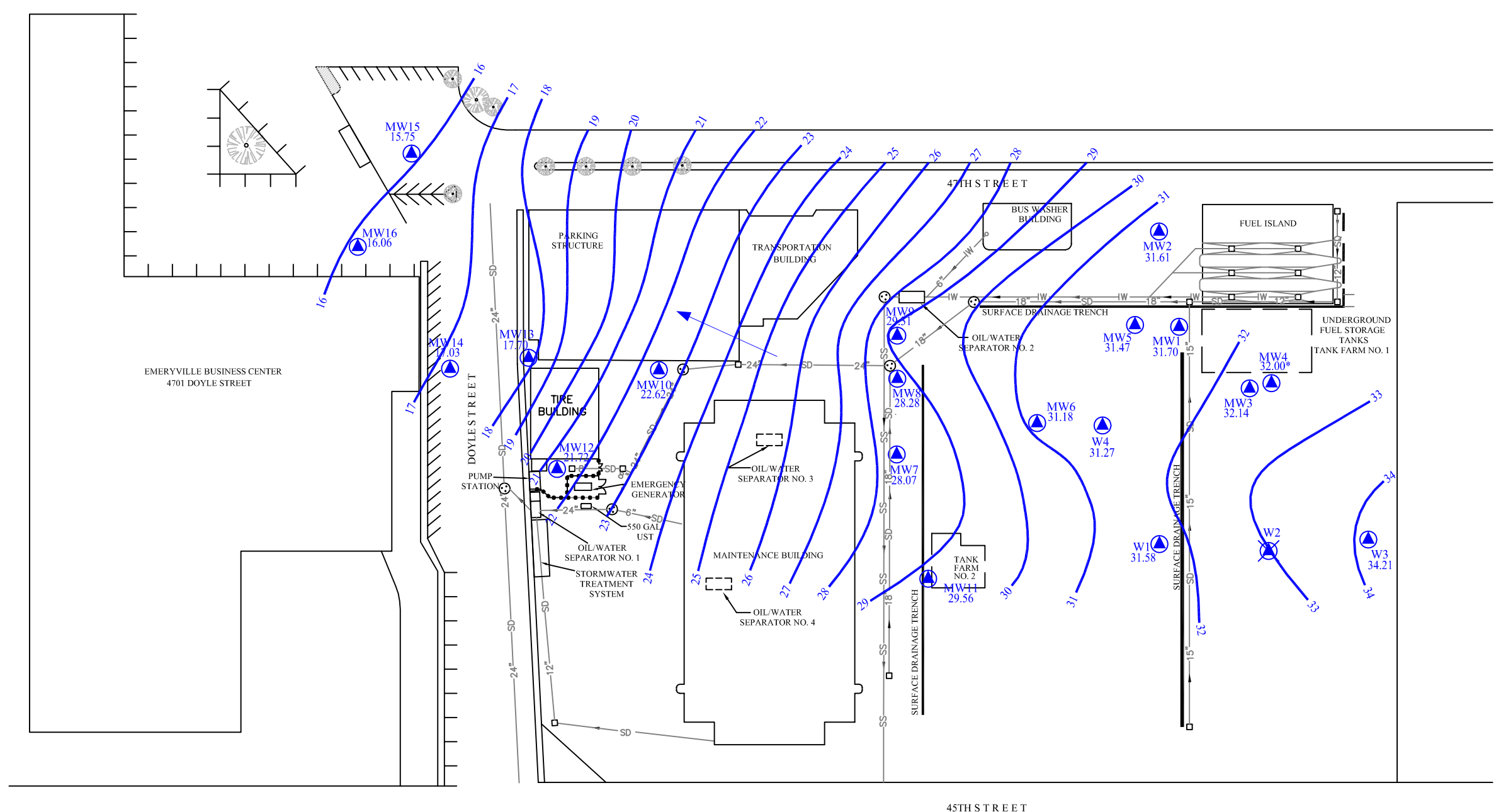
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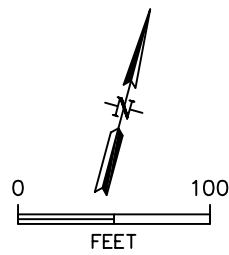
Cameron-Cole
101 WEST ATLANTIC AVENUE, BUILDING 90
ALAMEDA, CALIFORNIA 94501
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<http://www.cameron-cole.com>

FIGURE 1
SITE LOCATION MAP
AC TRANSIT – EMERYVILLE
EMERYVILLE, CALIFORNIA

SCALE:	AS NOTED	DATE:	05-08-09
--------	----------	-------	----------



LEGEND	
	MANHOLE
	CATCH BASIN
	MONITOR WELL
	ABANDONED MONITOR WELL
	POTENTIOMETRIC SURFACE ELEVATION
	VALUE NOT USED IN CONTOURING
	POTENTIOMETRIC SURFACE CONTOUR
	GROUNDWATER FLOW DIRECTION
	PROPOSED SOIL BORING
	STORM DRAIN PIPELINE
	SANITARY SEWER PIPELINE
	INDUSTRIAL WASTE PIPELINE
	CHAIN LINK FENCE



BY	DATE
DRAWN SPS	06/29/11
CHECKED	
APPROVED	
APPROVED	
APPROVED	

Cameron-Cole

 50 HEGENBERGER LOOP

 OAKLAND, CALIFORNIA 94621

 PHONE: 510-777-1870

 FAX: 510-777-1871

<http://www.cameron-cole.com>

FIGURE 2 POTENTIOMETRIC SURFACE CONTOUR MAP MAY 25, 2011 AC TRANSIT, EMERYVILLE FACILITY - OAKLAND, CA	
SCALE: 1" = 100'	DWG. NO.: 2036-017A

TABLES

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-1	8/31/1999	32.56	None	3.24	29.32	NA
	11/23/1999		None	4.55	28.01	NA
	3/1/2000		None	3.65	28.91	NA
	5/17/2000		None	4.08	28.48	NA
	8/30/2000		None	5.18	27.38	NA
	12/18/2000		None	4.86	27.7	NA
	3/20/2001		None	4.22	28.34	NA
	6/7/2001		None	4.88	27.68	NA
	9/20/2001		None	4.97	27.59	NA
	12/14/2001		None	3.59	28.97	NA
	2/27/2002		None	4.03	28.53	NA
	5/16/2002		None	4.32	28.24	NA
	9/18/2002		None	4.61	27.95	NA
	10/30/2002		None	4.74	27.82	NA
	2/6/2003		None	4.08	28.48	NA
	5/1/2003		None	3.68	28.88	NA
	8/26/2003		None	4.64	27.92	NA
	11/20/2003		None	4.57	27.99	NA
	2/10/2004		None	3.95	28.61	NA
	5/18/2004		None	4.45	28.11	NA
	8/30/2004		None	5.14	27.42	NA
	11/17/2004		None	4.2	28.36	NA
	2/23/2005		None	3.55	29.01	NA
	11/2/2005**		None	5.14	27.42	NA
	5/28/2006**		None	4.05	28.51	NA
	11/12/2006**		None	3.36	29.20	NA
	5/27/2007**		None	4.90	27.66	NA
	11/10/2007**		None	4.65	27.91	NA
	5/25/2008**		None	4.65	27.91	NA
	3/24/2009	35.66	None	3.86	31.80	NA
	6/11/2009		None	4.39	31.27	NA
	8/27/2009		None	5.00	30.66	NA
	11/24/2009		None	4.41	31.25	NA
	2/18/2010		None	3.79	31.87	NA
	5/12/2010		None	4.00	31.66	NA
	8/12/2010		None	4.69	30.97	NA
	11/22/2010		None	3.78	31.88	NA
	2/1/2011		None	4.11	31.55	NA
	5/24/2011		None	3.96	31.70	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-2	8/31/1999	32.12	None	5.24	26.88	NA
	11/23/1999		None	4.03	28.09	NA
	3/1/2000		None	3.11	29.01	NA
	5/17/2000		None	3.66	28.46	NA
	8/30/2000		None	4.65	27.47	NA
	12/18/2000		None	4.06	28.06	NA
	3/20/2001		None	3.91	28.21	NA
	6/7/2001		None	4.40	27.72	NA
	9/20/2001		None	4.45	27.67	NA
	12/14/2001		None	3.19	28.93	NA
	2/27/2002		None	3.45	28.67	NA
	5/16/2002		None	3.74	28.38	NA
	9/18/2002		None	4.20	27.92	NA
	10/30/2002		None	4.23	27.89	NA
	2/6/2003		None	3.70	28.42	NA
	5/1/2003		None	3.59	28.53	NA
	8/26/2003		None	4.24	27.88	NA
	11/20/2003		None	4.35	27.77	NA
	2/10/2004		None	3.61	28.51	NA
	5/18/2004		None	3.91	28.21	NA
	8/30/2004		None	4.62	27.50	NA
	11/17/2004		None	3.91	28.21	NA
	2/23/2005		None	3.05	29.07	NA
	11/2/2005**		None	4.65	27.47	NA
	5/28/2006**		None	3.55	28.57	NA
	11/16/2006**		None	3.60	28.52	NA
	5/27/2007**		None	3.73	28.39	NA
	11/10/2007**		None	4.20	27.92	NA
	5/25/2008**		None	4.10	28.02	NA
	3/24/2009	35.14	None	3.52	31.62	NA
	6/11/2009		None	4.02	31.12	NA
	8/27/2009		None	4.63	30.51	NA
	11/24/2009		None	4.01	31.13	NA
	2/18/2010		None	3.43	31.71	NA
	5/12/2010		None	3.53	31.61	NA
	8/12/2010		None	4.21	30.93	NA
	11/22/2010		None	3.32	31.82	NA
	2/1/2011		None	3.60	31.54	NA
	5/24/2011		None	3.53	31.61	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-3	8/31/1999	34.06	None	6.15	27.91	NA
	11/23/1999		None	5.78	28.28	NA
	3/1/2000		None	4.82	29.24	NA
	5/17/2000		None	5.29	28.77	NA
	8/30/2000		None	6.20	27.86	NA
	12/18/2000		None	5.65	28.41	NA
	3/20/2001		None	5.18	28.88	NA
	6/7/2001		None	6.01	28.05	NA
	9/20/2001		None	5.9	28.16	NA
	12/14/2001		None	4.66	29.40	NA
	2/27/2002		None	5.00	29.06	NA
	5/16/2002		None	5.21	28.85	NA
	9/18/2002		None	5.61	28.45	NA
	10/30/2002		None	5.72	28.34	NA
	2/6/2003		None	4.97	29.09	NA
	5/1/2003		None	4.89	29.17	NA
	8/26/2003		None	5.82	28.24	NA
	11/20/2003		None	5.92	28.14	NA
	2/10/2004		None	4.99	29.07	NA
	5/18/2004		None	5.52	28.54	NA
	8/30/2004		None	6.25	27.81	NA
	11/17/2004		None	5.25	28.81	NA
	2/23/2005		None	4.80	29.26	NA
	11/2/2005**		None	6.21	27.85	NA
	5/28/2006**		None	4.95	29.11	NA
	11/16/2006**		None	5.50	28.56	NA
	5/27/2007**		None	5.28	28.78	NA
	11/10/2007**		None	5.75	28.31	NA
	5/25/2008**		None	5.70	28.36	NA
	3/24/2009	37.15	None	4.79	32.36	NA
	6/11/2009		None	5.40	31.75	NA
	8/27/2009		None	6.22	30.93	NA
	11/24/2009		None	5.50	31.65	NA
	2/18/2010		None	4.83	32.32	NA
	5/12/2010		None	4.92	32.23	NA
	8/12/2010		None	5.63	31.52	NA
	11/22/2010		None	5.28	31.87	NA
	2/1/2011		None	5.15	32.00	NA
	5/24/2011		None	5.01	32.14	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
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1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-4	8/31/1999	34.11	None	6.22	27.89	NA
	11/23/1999		None	6.01	28.10	NA
	3/1/2000		None	4.74	29.37	NA
	5/17/2000		None	5.33	28.78	NA
	8/30/2000		None	6.26	27.85	NA
	12/18/2000		None	5.66	28.45	NA
	3/20/2001		None	5.46	28.65	NA
	6/7/2001		None	6.02	28.09	NA
	9/20/2001		None	6.06	28.05	NA
	12/14/2001		None	5.39	28.72	NA
	2/27/2002		None	5.28	28.83	NA
	5/16/2002		None	5.39	28.72	NA
	9/18/2002		None	5.61	28.50	NA
	10/30/2002		None	5.70	28.41	NA
	2/6/2003		None	5.39	28.72	NA
	5/1/2003		None	5.25	28.86	NA
	8/26/2003		None	5.88	28.23	NA
	11/20/2003		None	5.84	28.27	NA
	2/10/2004		None	5.10	29.01	NA
	5/18/2004		None	5.58	28.53	NA
	8/30/2004		None	6.30	27.81	NA
	11/17/2004		None	5.34	28.77	NA
	2/23/2005		None	4.75	29.36	NA
	11/2/2005**		None	6.30	27.81	NA
	5/28/2006**		None	5.15	28.96	NA
	11/16/2006**		None	5.40	28.71	NA
	5/27/2007**		None	5.61	28.50	NA
	11/10/2007**		None	5.85	28.26	NA
	5/25/2008**		None	5.80	28.31	NA
	3/24/2009	37.15	None	5.12	32.03	NA
	6/11/2009		None	5.62	31.53	NA
	8/27/2009		None	6.21	30.94	NA
	11/24/2009		None	5.84	31.31	NA
	2/18/2010		None	5.32	31.83	NA
	5/12/2010		None	5.16	31.99	NA
	8/12/2010		None	5.64	31.51	NA
	11/22/2010		None	4.94	32.21	NA
	2/1/2011		None	5.28	31.87	NA
	5/24/2011		None	5.15	32.00	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
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Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-5	8/31/1999	31.70	None	4.51	27.19	NA
	11/23/1999		None	4.00	27.70	NA
	3/1/2000		None	3.31	28.39	NA
	5/17/2000		None	3.59	28.11	NA
	8/30/2000		None	4.53	27.17	NA
	12/18/2000		None	3.97	27.73	NA
	3/20/2001		None	3.68	28.02	NA
	6/7/2001		None	4.37	27.33	NA
	9/20/2001		None	4.46	27.24	NA
	12/14/2001		None	3.23	28.47	NA
	2/27/2002		None	3.44	28.26	NA
	5/16/2002		None	3.68	28.02	NA
	9/18/2002		None	4.04	27.66	NA
	10/30/2002		None	4.21	27.49	NA
	2/6/2003		None	3.61	28.09	NA
	5/1/2003		None	3.15	28.55	NA
	8/26/2003		None	4.00	27.70	NA
	11/20/2003		None	4.20	27.50	NA
	2/10/2004		None	3.38	28.32	NA
	5/18/2004		None	3.75	27.95	NA
	8/30/2004		None	4.55	27.15	NA
	11/17/2004		None	3.62	28.08	NA
	2/23/2005		None	2.98	28.72	NA
	11/2/2005**		None	4.55	27.15	NA
	5/28/2006**		None	3.62	28.08	NA
	11/12/2006**		None	2.50	29.20	NA
	5/27/2007**		None	3.64	28.06	NA
	11/10/2007**		None	4.10	27.60	NA
	5/25/2008**		None	4.05	27.65	NA
	3/24/2009	34.84	None	3.22	31.62	NA
	6/11/2009		None	3.85	30.99	NA
	8/27/2009		None	4.47	30.37	NA
	11/24/2009		None	3.87	30.97	NA
	2/18/2010		None	3.24	31.60	NA
	5/12/2010		None	3.41	31.43	NA
	8/12/2010		None	4.08	30.76	NA
	11/22/2010		None	3.27	31.57	NA
	2/1/2011		None	3.46	31.38	NA
	5/24/2011		None	3.37	31.47	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-6	8/31/1999	31.02	None	4.40	26.62	NA
	11/23/1999		None	3.81	27.21	NA
	3/1/2000		None	2.88	28.14	NA
	5/17/2000		None	3.44	27.58	NA
	8/30/2000		None	4.40	26.62	NA
	12/18/2000		None	3.61	27.41	NA
	3/20/2001		None	3.16	27.86	NA
	6/7/2001		None	4.18	26.84	NA
	9/20/2001		Sheen	4.22	26.80	NA
	12/14/2001		None	3.62	27.40	NA
	2/27/2002		None	2.94	28.08	NA
	5/16/2002		None	3.53	27.49	NA
	9/18/2002		None	3.97	27.05	NA
	10/30/2002		None	3.96	27.06	NA
	2/6/2003		None	2.97	28.05	NA
	5/1/2003		None	3.98	27.04	NA
	8/26/2003		None	3.82	27.20	NA
	11/20/2003		None	3.78	27.24	NA
	2/10/2004		None	2.94	28.08	NA
	5/18/2004		None	3.47	27.55	NA
	8/30/2004		None	4.22	26.80	NA
	11/17/2004		None	3.19	27.83	NA
	2/23/2005		None	2.32	28.70	NA
	11/2/2005**		None	4.21	26.81	NA
	5/28/2006**		None	3.00	28.02	NA
	11/16/2006**		None	3.30	27.72	NA
	5/27/2007**		None	3.20	27.82	NA
	11/10/2007**		None	3.65	27.37	NA
	5/25/2008**		None	3.70	27.32	NA
	3/24/2007	34.09	None	2.78	31.31	NA
	6/11/2009		None	3.46	30.63	NA
	8/27/2009		None	4.10	29.99	NA
	11/24/2009		None	3.47	30.62	NA
	2/18/2010		None	2.72	31.37	NA
	5/12/2010		None	2.93	31.16	NA
	8/12/2010		None	3.76	30.33	NA
	11/22/2010		None	2.85	31.24	NA
	2/1/2011		None	2.99	31.10	NA
	5/24/2011		None	2.91	31.18	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-7	8/31/1999	29.62	None	5.47	24.15	NA
	11/23/1999		None	4.93	24.69	NA
	3/1/2000		None	4.06	25.56	NA
	5/17/2000		None	4.69	24.93	NA
	8/30/2000		None	5.50	24.12	NA
	12/18/2000		None	5.78	23.84	NA
	3/20/2001		None	4.83	24.79	NA
	6/7/2001		None	4.80	24.82	NA
	9/20/2001		None	5.19	24.43	NA
	12/14/2001		None	4.68	24.94	NA
	2/27/2002		None	4.53	25.09	NA
	5/16/2002		None	4.34	25.28	NA
	9/18/2002		None	5.28	24.34	NA
	10/30/2002		None	5.51	24.11	NA
	2/6/2003		None	4.36	25.26	NA
	5/1/2003		None	4.76	24.86	NA
	8/26/2003		None	5.25	24.37	NA
	11/20/2003		None	5.26	24.36	NA
	2/10/2004		None	4.31	25.31	NA
	5/18/2004		None	4.46	25.16	NA
	8/30/2004		None	5.61	24.01	NA
	11/17/2004		None	4.82	24.80	NA
	2/23/2005		None	4.14	25.48	NA
	11/2/2005**		None	5.50	24.12	NA
	5/28/2006**		None	4.25	25.37	NA
	11/16/2006**		None	5.70	23.92	NA
	5/27/2007**		None	4.54	25.08	NA
	11/10/2007**		None	5.15	24.47	NA
	5/25/2008**		None	5.40	24.22	NA
	3/24/2009	32.67	None	4.31	28.36	NA
	6/11/2009		None	5.16	27.51	NA
	8/27/2009		None	5.39	27.28	NA
	11/24/2009		None	5.19	27.48	NA
	2/18/2010		None	5.30	27.37	NA
	5/12/2010		None	4.90	27.77	NA
	8/12/2010		None	5.66	27.01	NA
	11/22/2010		None	5.50	27.17	NA
	2/1/2011		None	4.89	27.78	NA
	5/24/2011		None	4.60	28.07	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-8	8/31/1999	29.43	None	5.35	24.08	NA
	11/23/1999		None	4.75	24.68	NA
	3/1/2000		None	4.48	24.95	NA
	5/17/2000		None	4.78	24.65	NA
	8/30/2000		None	5.02	24.41	NA
	12/18/2000		None	5.23	24.20	NA
	3/20/2001		None	4.70	24.73	NA
	6/7/2001		None	5.13	24.30	NA
	9/20/2001		None	5.68	23.75	NA
	12/14/2001		None	4.26	25.17	NA
	2/27/2002		None	4.18	25.25	NA
	5/16/2002		None	4.58	24.85	NA
	9/18/2002		None	4.96	24.47	NA
	10/30/2002		None	4.99	24.44	NA
	2/6/2003		None	4.41	25.02	NA
	5/1/2003		None	4.29	25.14	NA
	8/26/2003		None	4.58	24.85	NA
	11/20/2003		None	4.69	24.74	NA
	2/10/2004		None	4.22	25.21	NA
	5/18/2004		None	4.52	24.91	NA
	8/30/2004		None	4.79	24.64	NA
	11/17/2004		None	4.56	24.87	NA
	2/23/2005		None	4.08	25.35	NA
	11/2/2005**		None	5.05	24.38	NA
	5/28/2006**		None	4.95	24.48	NA
	11/12/2006**		None	4.70	24.73	NA
	5/27/2007**		None	4.08	25.35	NA
	11/10/2007**		None	4.70	24.73	NA
	5/25/2008**		None	4.70	24.73	NA
	3/24/2009	32.44	None	4.21	28.23	NA
	6/11/2009		None	4.56	27.88	NA
	8/27/2009		None	4.90	27.54	NA
	11/24/2009		None	4.64	27.80	NA
	2/18/2010		None	4.23	28.21	NA
	5/12/2010		None	4.52	27.92	NA
	8/12/2010		None	4.85	27.59	NA
	11/22/2010		None	5.01	27.43	NA
	2/1/2011		None	4.22	28.22	NA
	5/24/2011		None	4.16	28.28	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-9	8/31/1999	29.18	None	4.15	25.03	NA
	11/23/1999		None	3.93	25.25	NA
	3/1/2000		None	3.69	25.49	NA
	5/17/2000		None	3.56	25.62	NA
	8/30/2000		None	4.64	24.54	NA
	12/18/2000		None	4.02	25.16	NA
	3/20/2001		None	3.92	25.26	NA
	6/7/2001		None	4.28	24.90	NA
	9/20/2001		None	5.12	24.06	NA
	12/14/2001		None	3.87	25.31	NA
	2/27/2002		None	4.48	24.70	NA
	5/16/2002		None	5.13	24.05	NA
	9/18/2002		None	4.48	24.70	NA
	10/30/2002		None	3.90	25.28	NA
	2/6/2003		None	3.65	25.53	NA
	5/1/2003		None	4.50	24.68	NA
	8/26/2003		None	4.33	24.85	NA
	11/20/2003		None	3.83	25.35	NA
	2/10/2004		None	3.17	26.01	NA
	5/18/2004		None	3.42	25.76	NA
	8/30/2004		None	3.45	25.73	NA
	11/17/2004		None	3.44	25.74	NA
	2/23/2005		None	3.28	25.90	NA
	11/2/2005**		None	4.26	24.92	NA
	5/28/2006**		None	3.70	25.48	NA
	11/12/2006**		None	3.50	25.68	NA
	5/27/2007**		None	3.43	25.75	NA
	11/10/2007**		None	3.75	25.43	NA
	5/25/2008**		None	2.80	26.38	NA
	3/24/2009	32.31	None	3.31	29.00	NA
	6/11/2009		None	3.48	28.83	NA
	8/27/2009		None	3.58	28.73	NA
	11/24/2009		None	3.69	28.62	NA
	2/18/2010		None	3.29	29.02	NA
	5/12/2010		None	2.93	29.38	NA
	8/12/2010		None	3.41	28.90	NA
	11/22/2010		None	3.42	28.89	NA
	2/1/2011		None	3.05	29.26	NA
	5/24/2011		None	3.00	29.31	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)	
MW-10	8/31/1999	29.13	None	9.59	19.54	NA	
	11/23/1999		None	9.44	19.69	NA	
	3/1/2000		None	9.06	20.07	NA	
	5/17/2000		None	9.31	19.82	NA	
	8/30/2000		None	9.68	19.45	NA	
	12/18/2000		None	9.41	19.72	NA	
	3/20/2001		None	9.23	19.90	NA	
	6/7/2001		None	9.60	19.53	NA	
	9/20/2001		None	9.70	19.43	NA	
	12/14/2001		None	8.83	20.30	NA	
	2/27/2002		None	9.15	19.98	NA	
	5/16/2002		None	9.45	19.68	NA	
	9/18/2002		None	9.65	19.48	NA	
	10/30/2002		None	9.73	19.40	NA	
	2/6/2003		None	9.34	19.79	NA	
	5/1/2003		None	9.14	19.99	NA	
	8/26/2003		None	9.69	19.44	NA	
	11/20/2003		None	9.62	19.51	NA	
	2/10/2004		None	9.20	19.93	NA	
	5/18/2004		None	9.58	19.55	NA	
	8/30/2004		None	9.85	19.28	NA	
	11/17/2004		None	9.26	19.87	NA	
	2/23/2005		None	8.60	20.53	NA	
	11/2/2005**		None	9.81	19.32	NA	
	5/28/2006**		None	9.55	19.58	NA	
	11/16/2006**			Well not accessible.			
	2/24/2007**		None	9.00	20.13	NA	
	5/27/2007**		None	9.45	19.68	NA	
	11/10/2007**		None	9.70	19.43	NA	
	5/25/2008**		None	10.15	18.98	NA	
	3/24/2009		31.92	None	9.45	22.47	NA
	6/11/2009		None	9.93	21.99	NA	
	8/27/2009		None	9.89	22.03	NA	
11/24/2009		None	9.46	22.46	NA		
2/18/2010		None	9.31	22.61	NA		
5/12/2010		None	9.65	22.27	NA		
8/12/2010		None	9.82	22.10	NA		
11/22/2010		None	9.48	22.44	NA		
2/1/2011		None	9.38	22.54	NA		
	5/24/2011		None	9.30	22.62	NA	

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-11	9/20/2001	28.93	None	4.41	24.52	NA
	12/14/2001		None	1.82	27.11	NA
	2/27/2002		None	2.39	26.54	NA
	5/16/2002		None	2.98	25.95	NA
	9/18/2002		None	4.00	24.93	NA
	10/30/2002		None	4.14	24.79	NA
	2/6/2003		None	2.59	26.34	NA
	5/1/2003		None	2.26	26.67	NA
	8/26/2003		None	3.79	25.14	NA
	11/20/2003		None	3.66	25.27	NA
	2/10/2004		None	2.40	26.53	NA
	5/18/2004		None	3.20	25.73	NA
	8/30/2004		None	4.43	24.50	NA
	11/17/2004		None	2.36	26.57	NA
	2/23/2005		None	2.05	26.88	NA
	11/2/2005**		None	4.30	24.63	NA
	2/22/2006**		None	2.50	26.43	NA
	5/28/2006**		None	2.85	26.08	NA
	8/27/2006**		None	3.00	25.93	NA
	11/12/2006**		None	3.02	25.91	NA
	2/24/2007**		None	2.15	26.78	NA
	5/27/2007**		None	2.78	26.15	NA
	9/2/2007**		None	4.20	24.73	NA
	11/10/2007**		None	3.30	25.63	NA
	2/28/2008**		None	2.31	26.62	NA
	5/25/2008**		None	3.70	25.23	NA
	11/2/2008**		None	2.98	25.95	NA
	3/24/2009	31.95	None	2.37	29.58	NA
	6/11/2009		None	3.18	28.77	NA
	8/27/2009		None	4.32	27.63	NA
	11/24/2009		None	3.04	28.91	NA
	2/18/2010		None	2.44	29.51	NA
	5/12/2010		None	2.48	29.47	NA
	8/12/2010		None	3.80	28.15	NA
	11/22/2010		None	1.99	29.96	NA
	2/1/2011		None	2.52	29.43	NA
	5/24/2011		None	2.39	29.56	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-12	9/20/2001	28.68	None	10.41	18.27	NA
	12/14/2001		None	9.62	19.06	NA
	2/27/2002		None	10.09	18.59	NA
	5/16/2002		None	10.04	18.64	NA
	9/18/2002		None	10.66	18.02	NA
	10/30/2002		None	10.62	18.06	NA
	2/6/2003		None	9.97	18.71	NA
	5/1/2003		None	9.78	18.90	NA
	8/26/2003		None	10.70	17.98	NA
	11/20/2003		None	10.53	18.15	NA
	2/10/2004		None	9.80	18.88	NA
	5/18/2004		None	10.13	18.55	NA
	8/30/2004		None	10.32	18.36	NA
	11/17/2004		None	9.91	18.77	NA
	2/23/2005		None	9.29	19.39	NA
	11/2/2005**		None	10.76	17.92	NA
	2/22/2006**		None	10.50	18.18	NA
	5/28/2006**		None	10.82	17.86	NA
	8/27/2006**		None	10.50	18.18	NA
	11/16/2006**		None	10.80	17.88	NA
	2/24/2007**		None	10.30	18.38	NA
	5/27/2007**		None	10.88	17.80	NA
	9/2/2007**		None	10.70	17.98	NA
	11/10/2007**		None	10.90	17.78	NA
	2/28/2008**		None	11.35	17.33	NA
	5/25/2008**		None	11.80	16.88	NA
	11/2/2008**		None	10.50	18.18	NA
	3/24/2009	31.76	None	10.31	21.45	NA
	6/11/2009		None	10.38	21.38	NA
	8/27/2009		None	10.99	20.77	NA
	11/24/2009		None	10.35	21.41	NA
	2/18/2010		None	9.78	21.98	NA
	5/12/2010		None	10.48	21.28	NA
	8/12/2010		None	11.18	20.58	NA
	11/22/2010		None	10.21	21.55	NA
	2/1/2011		None	9.95	21.81	NA
	5/24/2011		None	10.04	21.72	NA

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-13	9/20/2001	22.715	None	8.83	13.89	NA
	12/14/2001		None	7.95	14.77	NA
	2/27/2002		None	7.64	15.08	NA
	5/16/2002		None	8.43	14.29	NA
	9/18/2002		6.86	15.09	7.63	13.11
	10/30/2002		6.04	14.29	8.43	13.26
	2/6/2003		0.09	8.25	14.47	14.54
	5/1/2003		0.24	7.29	15.43	15.62
	8/26/2003		0.39	9.70	13.02	13.33
	11/20/2003		0.85	9.85	12.87	13.55
	2/10/2004		0.88	10.59	12.13	12.83
	5/18/2004		0.92	10.70	12.02	12.75
	8/30/2004		1.06	9.36	13.36	14.20
	11/17/2004		0.25	9.74	12.98	13.18
	2/23/2005		0.07	6.49	16.23	16.28
	11/2/2005**		0.063	9.10	13.62	13.67
	2/22/2006**		0.167	NM	NM	NM
	5/28/2006**		NM	NM	NM	NM
	11/16/2006**		0.017	NM	NM	NM
	5/27/2007**		0.045	9.45	13.27	13.30
	9/2/2007**		1.1	10.30	12.42	13.30
	11/10/2007**		1.22	10.62	12.10	13.07
	2/28/2008**		0.7	9.90	12.82	13.38
	5/25/2008**		1.1	10.50	12.22	13.10
	11/2/2008**		1.1	10.40	12.32	13.20
	3/24/2009	26.70	0.36	9.25	17.45	17.74
	6/11/2009		0.28	10.45	16.25	16.47
	8/27/2009		0.35	10.78	15.92	16.20
	11/24/2009		0.38	9.55	17.15	17.45
	2/18/2010		0.35	9.13	17.57	17.85
	5/12/2010		0.34	8.86	17.84	18.11
	8/12/2010		0.14	9.48	17.22	17.33
	11/22/2010		0.12	9.14	17.56	17.66
	2/1/2011		0.06	8.74	17.96	18.01
	5/24/2011		0.03	9.00	17.70	17.72

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
MW-14	3/24/2009	25.98	None	8.63	17.35	NA
	6/11/2009		None	9.16	16.82	NA
	8/27/2009		None	9.46	16.52	NA
	11/24/2009		None	9.82	16.16	NA
	2/18/2010		None	8.58	17.40	NA
	5/12/2010		None	9.29	16.69	NA
	8/12/2010		None	9.05	16.93	NA
	11/22/2010		None	9.13	16.85	NA
	2/1/2011		None	8.53	17.45	NA
		5/24/2011		None	8.95	17.03
MW-15	3/24/2009	24.22	None	6.95	17.27	NA
	6/11/2009		None	8.82	15.40	NA
	8/27/2009		None	9.51	14.71	NA
	11/24/2009		None	8.63	15.59	NA
	2/18/2010		None	7.62	16.60	NA
	5/12/2010		None	8.45	15.77	NA
	8/12/2010		None	9.01	15.21	NA
	11/22/2010		None	8.50	15.72	NA
	2/1/2011		None	8.30	15.92	NA
		5/24/2011		None	8.47	15.75
MW-16	3/24/2009	22.90	None	6.43	16.47	NA
	6/11/2009		None	7.36	15.54	NA
	8/27/2009		None	8.89	14.01	NA
	11/24/2009		None	7.18	15.72	NA
	2/18/2010		None	6.17	16.73	NA
	5/12/2010		None	7.56	15.34	NA
	8/12/2010		None	8.06	14.84	NA
	11/22/2010		None	9.21	13.69	NA
	2/1/2011		None	6.95	15.95	NA
		5/24/2011		None	6.84	16.06

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)	
W-1	3/2/2000	33.43	None	4.08	29.35	NA	
	5/17/2000		None	5.41	28.02	NA	
	8/30/2000		None	6.71	26.72	NA	
	12/18/2000		None	5.73	27.70	NA	
	3/20/2001		None	5.16	28.27	NA	
	6/7/2001		None	6.10	27.33	NA	
	9/20/2001		None	6.58	26.85	NA	
	12/14/2001		None	4.69	28.74	NA	
	2/27/2002		None	4.94	28.49	NA	
	5/16/2002		None	5.54	27.89	NA	
	9/18/2002		None	6.08	27.35	NA	
	10/30/2002		None	6.24	27.19	NA	
	2/6/2003		None	5.17	28.26	NA	
	5/1/2003		None	4.71	28.72	NA	
	8/26/2003		None	6.14	27.29	NA	
	11/20/2003		None	6.19	27.24	NA	
	2/10/2004		None	4.95	28.48	NA	
	5/18/2004		None	5.70	27.73	NA	
	8/30/2004		None	6.64	26.79	NA	
	11/17/2004		None	5.36	28.07	NA	
	2/23/2005		None	4.26	29.17	NA	
	11/2/2005**		None	6.59	26.84	NA	
	5/28/2006**		None	5.15	28.28	NA	
	11/16/2006**		None	5.50	27.93	NA	
	5/27/2007**		None	5.80	27.63	NA	
	11/10/2007**		None	5.95	27.48	NA	
	5/25/2008**		None	5.95	27.48	NA	
	3/24/2009		36.57	None	4.77	31.80	NA
	6/11/2009			None	5.68	30.89	NA
	8/27/2009			None	6.67	29.90	NA
11/24/2009			None	5.71	30.86	NA	
2/18/2010			None	4.72	31.85	NA	
5/12/2010			None	4.99	31.58	NA	
8/12/2010			None	6.03	30.54	NA	
11/22/2010			None	4.92	31.65	NA	
2/1/2011			None	5.11	31.46	NA	
	5/24/2011		None	4.99	31.58	NA	
W-2	5/17/2000	34.21	None	5.60	28.61	NA	
	8/30/2000		None	7.37	26.84	NA	
	12/18/2000		None	6.44	27.77	NA	
	1/23/2001					abandoned	

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)	
W-3	5/17/2000	37.46	None	6.38	31.08	NA	
	8/30/2000		None	8.16	29.30	NA	
	12/18/2000		None	7.19	30.27	NA	
	3/20/2001		None	5.70	31.76	NA	
	6/7/2001		None	7.51	29.95	NA	
	9/20/2001		None	7.83	29.63	NA	
	12/14/2001		None	4.76	32.70	NA	
	2/27/2002		None	5.32	32.14	NA	
	5/16/2002		None	6.45	31.01	NA	
	9/18/2002		None	7.10	30.36	NA	
	10/30/2002		None	7.30	30.16	NA	
	2/6/2003		None	5.69	31.77	NA	
	5/1/2003		None	4.97	32.49	NA	
	8/26/2003		None	7.52	29.94	NA	
	11/20/2003		None	7.58	29.88	NA	
	2/10/2004		None	5.63	31.83	NA	
	5/18/2004		None	6.20	31.26	NA	
	8/30/2004		None	8.39	29.07	NA	
	11/17/2004		None	6.57	30.89	NA	
	2/23/2005		None	4.24	33.22	NA	
	11/2/2005**		None	8.24	29.22	NA	
	5/28/2006**		None	6.32	31.14	NA	
	11/16/2006**		None	6.80	30.66	NA	
	5/27/2007**		None	6.73	30.73	NA	
	11/10/2007**		None	7.55	29.91	NA	
	5/25/2008**		None	7.50	29.96	NA	
	3/24/2009		40.41	None	5.67	34.74	NA
	6/11/2009			None	4.09	36.32	NA
	8/27/2009			None	8.30	32.11	NA
	11/24/2009			None	7.21	33.20	NA
	2/18/2010			None	5.56	34.85	NA
	5/12/2010			None	6.14	34.27	NA
8/12/2010			None	7.59	32.82	NA	
11/22/2010			None	5.97	34.44	NA	
2/1/2011			None	6.23	34.18	NA	
5/24/2011			None	6.20	34.21	NA	

TABLE 1
GROUNDWATER LEVEL MEASUREMENTS
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	Depth To Water (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)	
W-4	3/2/2000	31.72	None	3.34	28.38	NA	
	5/17/2000		None	3.86	27.86	NA	
	8/30/2000		None	4.99	26.73	NA	
	12/18/2000		None	4.20	27.52	NA	
	3/20/2001		None	3.75	27.97	NA	
	6/7/2001		None	4.67	27.05	NA	
	9/20/2001		None	4.80	26.92	NA	
	12/14/2001		None	3.22	28.50	NA	
	2/27/2002		None	3.58	28.14	NA	
	5/16/2002		None	3.89	27.83	NA	
	9/18/2002		None	4.24	27.48	NA	
	10/30/2002		None	4.56	27.16	NA	
	2/6/2003		None	3.67	28.05	NA	
	5/1/2003		None	2.61	29.11	NA	
	8/26/2003		None	4.47	27.25	NA	
	11/20/2003		None	4.42	27.30	NA	
	2/10/2004		None	3.54	28.18	NA	
	5/18/2004		None	4.11	27.61	NA	
	8/30/2004		None	4.85	26.87	NA	
	11/17/2004		None	3.81	27.91	NA	
	2/23/2005		None	2.97	28.75	NA	
	11/2/2005**		None	4.70	27.02	NA	
	5/28/2006**		None	4.50	27.22	NA	
	11/16/2006**		None	3.90	27.82	NA	
	5/27/2007**		None	3.82	27.90	NA	
	11/10/2007**		None	4.30	27.42	NA	
	5/25/2008**		None	4.40	27.32	NA	
	3/24/2009		34.81	None	3.63	31.18	NA
	6/11/2009			None	7.26	27.55	NA
	8/27/2009			None	4.43	30.38	NA
	11/24/2009			None	4.12	30.69	NA
	2/18/2010			None	3.73	31.08	NA
5/12/2010			None	3.56	31.25	NA	
8/12/2010			None	4.08	30.73	NA	
11/22/2010			None	3.50	31.31	NA	
2/1/2011			None	3.61	31.20	NA	
	5/24/2011		None	3.54	31.27	NA	

Notes:

* used 0.8 specific gravity of product

ft-msl: feet mean sea level

DTW: Depth to water

NA: not applicable

** Essel Technology Services, Inc. data.

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-1	8/31/1999	310	NA	<1.0	2.4	1	1.6	NA
	11/23/1999	250	NA	<1.0	<1.0	<1.0	<1.0	NA
	3/1/2000	310	62	<1.0	<1.0	<1.0	<2.0	687
	5/17/2000	390	63	<1.0	<1.0	<1.0	<2.0	74
	8/31/2000	180	<50	<1.0	<1.0	<1.0	<2.0	49
	12/18/2000	310	<50	<1.0	<1.0	<1.0	<2.0	44
	3/21/2001	240	<50	<1.0	<1.0	<1.0	<2.0	17
	6/7/2001	540	<50	<1.0	<1.0	<1.0	<2.0	32
	9/20/2001	290	<50	<1.0	<1.0	<1.0	<2.0	29
	2/27/2002	<250	<50	<1.0	<1.0	<1.0	<2.0	14
	9/18/2002	230	<50	<1.0	<1.0	<1.0	<2.0	30
	2/6/2003	82	<50	<0.5	<0.5	<0.5	<1.0	17
	8/26/2003	200	<50	<0.5	<0.5	<0.5	<1.0	9.8
	2/10/2004	4,800	<50	<0.5	<0.5	<0.5	<1.0	6.6
	8/30/2004	<56	<50	<0.5	<0.5	<0.5	<1.5	4.2
	2/23/2005	<50	<50	<0.5	<0.5	<0.5	<1.0	6.1
	11/3/2005*	70	<50	<0.5	<0.5	<0.5	<0.5	4.5
	5/29/2006*	89	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/12/2006*	65	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	65	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/10/2007*	59	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/25/2008*	60	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/24/2009	<100	<50	<1.0	<1.0	<1.0	<2.0	1.1
	8/27/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	1.5
	2/18/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	8/12/2010	<95	<50	<1.0	<1.0	<1.0	<2.0	1.1
	2/1/2011	<96	<50	<1.0	<1.0	<1.0	<2.0	<1.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-2	8/31/1999	180	NA	<1.0	<1.0	<1.0	1.2	NA
	11/23/1999	120	NA	<1.0	<1.0	<1.0	<5.0	NA
	3/1/2000	510	<50	<1.0	<1.0	<1.0	<2.0	81
	5/17/2000	1,100	<50	<1.0	<1.0	<1.0	<2.0	87
	8/31/2000	620	<50	<1.0	<1.0	<1.0	<2.0	65
	12/19/2000	830	<50	<1.0	<1.0	<1.0	<2.0	70
	3/21/2001	900	<50	<2.0	<2.0	<2.0	<4.0	33
	6/7/2001	810	<50	<1.0	<1.0	<1.0	<2.0	43
	9/20/2001	1,200	<50	<1.0	<1.0	<1.0	<2.0	35
	2/27/2002	<250	<50	<1.0	<1.0	<1.0	<2.0	19
	9/18/2002	180	<50	<1.0	<1.0	<1.0	<2.0	17
	2/6/2003	58	<50	<0.5	<0.5	<0.5	<1.0	18
	8/26/2003	150	<50	<0.5	<0.5	<0.5	<1.0	15
	2/11/2004	<50	<50	<0.5	<0.5	<0.5	<1.0	5.2
	8/30/2004	<56	<50	<0.5	<0.5	<0.5	<1.5	6.3
	2/23/2005	<50	<50	<0.5	<0.5	<0.5	<1.0	8.4
	11/3/2005*	110	<50	<0.5	<0.5	<0.5	<0.5	4.9
	5/29/2006*	70	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/16/2006*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	75	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/10/2007*	62	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/25/2008*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/24/2009	<97	<50	<1.0	<1.0	<1.0	<2.0	2.9
	8/27/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	2.4
	2/18/2010	<130	<50	<1.0	<1.0	<1.0	<2.0	2.5
	8/12/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	2.1
	2/1/2011	134	<50	<1.0	<1.0	<1.0	<2.0	1.7

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-3	8/31/1999	2,700	NA	<1.0	<1.0	<1.0	<1.0	NA
	11/23/1999	640	NA	<1.0	<1.0	<1.0	<1.0	NA
	3/1/2000	<250	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	5/17/2000	620	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	8/31/2000	1,800	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	12/18/2000	NA	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	3/21/2001	1,700	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	6/7/2001	770	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	9/21/2001	260	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	2/27/2002	560	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	9/18/2002	340	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	2/6/2003	<50	<50	<0.5	<0.5	<0.5	<1.0	3.9
	8/26/2003	5,800	<50	<0.5	<0.5	<0.5	<1.0	4.9
	2/11/2004	<50	<50	<0.5	<0.5	<0.5	<1.0	3.4
	8/30/2004	<56	<50	<0.5	<0.5	<0.5	1.5	4
	2/23/2005	<50	<50	<0.5	<0.5	<0.5	<1.0	5.4
	11/3/2005*	180	<50	<0.5	<0.5	<0.5	<0.5	3.2
	5/29/2006*	180	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/16/2006*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/10/2007*	730	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/25/2008*	910	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/25/2009	<110	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	8/27/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	2/18/2010	<95	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	8/13/2010	<95	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	2/1/2011	<94	<50	<1.0	<1.0	<1.0	<2.0	<1.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-4	8/31/1999	<50	NA	<1.0	<1.0	<1.0	1.6	NA
	11/23/1999	<50	NA	<1.0	<1.0	<1.0	<1.0	NA
	3/1/2000	<250	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	5/17/2000	80	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	8/31/2000	<250	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	12/18/2000	<250	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	3/20/2001	<250	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	6/7/2001	<250	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	11/3/2005*	<50	<50	<0.5	<0.5	<0.5	<0.5	4.1
	5/29/2006*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/16/2006*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/10/2007*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/25/2008*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/25/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	1.0
	8/27/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	2/18/2010	<95	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	8/13/2010	<95	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	2/1/2011	197	<50	<1.0	<1.0	<1.0	<2.0	<1.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-5	8/31/1999	250	NA	<1.0	<1.0	<1.0	1	NA
	11/23/1999	300	NA	<1.0	<1.0	<1.0	<5.0	NA
	3/1/2000	340	<50	<1.0	<1.0	<1.0	<2.0	100
	5/17/2000	230	<50	<1.0	<1.0	<1.0	<2.0	86
	8/31/2000	220	<50	<1.0	<1.0	<1.0	<2.0	59
	12/18/2000	360	<50	<1.0	<1.0	<1.0	<2.0	57
	3/20/2001	250	<50	<5.0	<5.0	<5.0	<10	87
	6/7/2001	600	<50	<1.0	<1.0	<1.0	<2.0	74
	11/3/2005*	1,500	<50	<0.5	<0.5	<0.5	<0.5	5.7
	5/29/2006*	200	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/12/2006*	130	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	180	140	<0.5	<0.5	<0.5	<0.5	<10
	11/10/2007*	110	170	<0.5	<0.5	0.59	1.3	<10
	5/25/2008*	200	82	<0.5	<0.5	<0.5	<0.5	<5.0
	3/25/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	1.1
	8/28/2009	<95	435	<1.0	<1.0	<1.0	<2.0	3.6
	2/18/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	1.9
	8/12/2010	119	450	<1.0	<1.0	<1.0	<2.0	2.8
	2/1/2011	201	765	<1.0	<1.0	<1.0	<2.0	<1.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-6	8/31/1999	140,000	NA	77	18	31	49	NA
	11/23/1999	6,100	NA	45	14	6.9	48	NA
	3/1/2000	22,000	2,800	6.8	<2.0	<2.0	<10	<5.0
	5/17/2000	1,800	6,200	77	16	39	37	<5.0
	8/31/2000	76,000	5,300	60	13	43	45.7	<5.0
	12/19/2000	6,300	1,300	26.0	4.9	8.4	11.5	<5.0
	3/21/2001	5,100	1,900	49.0	9.5	13	12	<10
	6/7/2001	14,000	2,600	47.0	10	13	19	<10
	9/21/2001	15,000	4,000	180	14	24	40	<50
	2/27/2002	43,000	5,000	68	16	52	41.8	<25
	9/18/2002	320,000	2,000	74	7.3	22	25	<5.0
	2/6/2003	4,300	2,600	63	8.2	18	15	<1.0
	8/26/2003	68,000	6,500	110	16	44	42	<10
	2/10/2004	19,000	3,500	37	4.9	24	15	<5
	8/30/2004	<56	<50	86	7.8	15	27	<5
	2/23/2005	4,930	687	7.9	2	0.9	4.3	<0.5
	11/3/2005*	2,000	750	13	1.9	2.9	4.6	1.4
	5/29/2006*	12,000	2,700	55	5.7	16	26	<15
	11/16/2006*	2,100	530	12	0.82	0.58	2.8	<5.0
	5/27/2007*	2,500	5,200	110	5.1	23	17	<60
	11/10/2007*	9,300	2,100	30	<1.7	3.9	4	<17
	5/25/2008*	20,000	5,000	88	<2.5	31	14	<25
	3/25/2009	2,610	785	8.9	<2.0	2.9	<4.0	<2.0
	8/28/2009	4,080	5,160	112	<10	27.1	21.5	<10
	2/19/2010	2,330	1,790	39.8	4.9	8.2	8.3	<2.0
	8/12/2010	2,080	502	9.8	1.0	1.9	<2.0	<1.0
	2/1/2011	471	330	6.1	3.2	1.6	2.8	<1.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-7	8/31/1999	1,400	NA	<1.0	2.9	2.3	2.7	NA
	11/23/1999	530	NA	<1.0	<1.0	<1.0	<1.0	NA
	3/1/2000	640	860	<1.0	<1.0	<1.0	<2.0	<20
	5/17/2000	430	410	<1.0	<1.0	<1.0	<2.0	9.5
	8/31/2000	950	1100	<1.0	<1.0	<1.0	<2.0	<5.0
	12/18/2000	1,100	820	<1.0	<1.0	<1.0	<2.0	<5.0
	3/20/2001	770	1000	<1.0	1.4	<1.0	<2.0	<5.0
	6/7/2001	1,400	870	<1.0	<1.0	<1.0	<2.0	<5.0
	9/21/2001	940	1000	<1.0	<1.0	<2.0	<5.0	<5.0
	2/27/2002	430	930	<1.0	<1.0	<1.0	<2.0	<5.0
	9/18/2002	440	870	<1.0	<1.0	<1.0	<2.0	<5.0
	2/6/2003	230	890	<0.5	<0.5	<0.5	<1.0	1.6
	8/26/2003	470	590	<0.5	<0.5	<0.5	<1.0	1.5
	2/11/2004	140	690	<0.5	1.9	0.57	1.0	1.1
	8/30/2004	<56	200	<0.5	<0.5	<0.5	<1.5	1.5
	2/23/2005	290	283	<0.5	<0.5	<0.5	<1.0	1.1
	11/3/2005*	140	310	<0.5	<0.5	<0.5	<0.5	2.3
	5/29/2006*	120	260	<0.5	<0.5	<0.5	<0.5	<5.0
	11/12/2006*	96	120	<0.5	<0.5	<0.5	0.76	<5.0
	5/27/2007*	220	700	<0.5	<0.5	1.0	2.0	<5.0
	11/10/2007*	150	220	<0.5	<0.5	<0.5	1.0	<5.0
	5/25/2008*	270	620	0.81	<0.5	0.85	1.8	<10
	3/25/2009	<99	529	<1.0	<1.0	<1.0	<2.0	<1.0
	8/28/2009	<95	205	<1.0	<1.0	<1.0	<2.0	1.3
	2/19/2010	<100	173	<1.0	<1.0	<1.0	<2.0	<1.0
	8/13/2010	111	475	<1.0	<1.0	<1.0	<2.0	<1.0
	2/1/2011	120	174	<1.0	<1.0	<1.0	<2.0	<1.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-8	8/31/1999	230	NA	<1.0	<1.0	1.2	<1.0	NA
	11/23/1999	220	NA	<1.0	<1.0	<1.0	<1.0	NA
	3/1/2000	260	150	<1.0	<1.0	<1.0	<2.0	<5.0
	5/17/2000	660	310	<1.0	<1.0	<1.0	<2.0	<5.0
	8/31/2000	460	300	<1.0	<1.0	<1.0	1.4	<5.0
	12/18/2000	370	230	<1.0	<1.0	<1.0	<2.0	<5.0
	3/20/2001	1,700	64	<1.0	<1.0	<1.0	<2.0	<5.0
	6/7/2001	1,300	180	<1.0	<1.0	<1.0	<2.0	<5.0
	11/3/2005*	280	150	<0.5	<0.5	<0.5	<0.5	0.69
	5/29/2006*	150	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/12/2006*	<50	95	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	140	140	<0.5	<0.5	<0.5	<0.5	<5.0
	11/10/2007*	160	240	<0.5	<0.5	<0.5	<0.5	<5.0
	5/25/2008*	160	230	<0.5	<0.5	<0.5	0.61	<5.0
	3/25/2009	<95	72.8	<1.0	<1.0	<1.0	<2.0	1.2
	8/28/2009	<95	62.1	<1.0	<1.0	<1.0	<2.0	1.0
	2/19/2010	<100	<50	<1.0	<1.0	<1.0	<2.0	1.1
	8/12/2010	97.6	54.1	<1.0	<1.0	<1.0	<2.0	<1.0
	2/1/2011	336	59.5	<1.0	<1.0	<1.0	<2.0	<1.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-9	8/31/1999	2,800	NA	<1.0	<1.0	<1.0	1.1	NA
	11/23/1999	1,300	NA	<1.0	<1.0	<1.0	<1.0	NA
	3/1/2000	510	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	5/17/2000	990	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	8/31/2000	1,100	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	12/18/2000	1,900	<50	<1.0	<1.0	<1.0	<2.0	5.9
	3/20/2001	1,500	<50	<1.0	<1.0	<1.0	<2.0	5.5
	6/7/2001	590	<50	<1.0	<1.0	<1.0	<2.0	8.1
	9/20/2001	790	<50	<1.0	<1.0	<1.0	<2.0	8.5
	2/27/2002	650	<50	<1.0	<1.0	<1.0	<2.0	9.5
	9/18/2002	480	<50	<1.0	<1.0	<1.0	<2.0	6.2
	2/6/2003	54	<50	<0.5	<0.5	<0.5	<1.0	5.5
	8/26/2003	1,300	<50	<0.5	<0.5	<0.5	<1.0	6.6
	2/10/2004	6,200	250	<0.5	<0.5	<0.5	<1.0	4.4
	8/30/2004	<50	<50	<0.5	<0.5	<0.5	<1.5	3.6
	2/23/2005	<0.5	<50	<0.5	<0.5	<0.5	<1.0	6.0
	11/3/2005*	470	<50	<0.5	<0.5	<0.5	<0.5	4.8
	5/29/2006*	190	<50	<0.5	<0.5	<0.5	<0.5	5.2
	11/12/2006*	65	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	1,000	<50	<0.5	0.92	<0.5	<0.5	<5.0
	11/10/2007*	930	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/25/2008*	740	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	3/25/2009	<390	<50	<1.0	<1.0	<1.0	<2.0	3.5
	8/28/2009	<480	<50	<1.0	<1.0	<1.0	<2.0	3.7
	2/19/2010	<190	<50	<1.0	<1.0	<1.0	<2.0	3.7
	8/12/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	3.4
	2/1/2011	<280	<50	<1.0	<1.0	<1.0	<2.0	2.7

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-10	8/31/1999	1,100	NA	<1.0	1.2	2.0	<1.0	NA
	11/23/1999	1,200	NA	<1.0	<1.0	<1.0	<1.0	NA
	3/1/2000	1,300	540	<1.0	<1.0	<1.0	<2.0	NA
	5/17/2000	990	460	<1.0	<1.0	<1.0	<2.0	6.9
	8/31/2000	840	320	<1.0	<1.0	<1.0	<2.0	25
	12/18/2000	900	290	<1.0	<1.0	<1.0	<2.0	<9.0
	3/21/2001	620	220	<1.0	<1.0	<1.0	<2.0	<5.0
	6/7/2001	1,300	360	<1.0	<1.0	<1.0	<2.0	15
	9/20/2001	1,000	350	<1.0	<1.0	<1.0	<2.0	44
	2/27/2002	610	150	<1.0	<1.0	<1.0	<2.0	<5.0
	9/18/2002	850	240	<1.0	1.2	<1.0	<2.0	20
	2/6/2003	510	200	<0.5	<0.5	<0.5	<1.0	2.8
	8/26/2003	1,100	250	<0.5	<0.5	<0.5	<1.0	14
	2/10/2004	260	190	<0.5	<0.5	<0.5	<1.0	1.6
	8/30/2004	310	240	<0.5	<0.5	<0.5	<1.5	6.7
	2/23/2005	310	207	<0.5	0.7	1.4	1.3	<0.5
	11/3/2005*	600	300	<0.5	<0.5	<0.5	<0.5	4.1
	5/29/2006*	540	140	<0.5	<0.5	<0.5	<0.5	<5.0
	11/16/2006*				Well Not Accessible			
	2/24/2007*	970	190	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	850	330	<0.5	<0.5	<0.5	<0.5	<5.0
	11/10/2007*	1,200	420	<0.5	<0.5	<0.5	<0.5	<5.0
	5/28/2008*	930	330	<0.5	<0.5	0.92	1.1	<5.0
	3/25/2009	948	173	<1.0	<1.0	<1.0	<2.0	<1.0
	8/28/2009	547	389	<1.0	<1.0	<1.0	<2.0	1.6
	2/19/2010	398	72.9	<1.0	<1.0	<1.0	<2.0	<1.0
	8/13/2010	966	266	<1.0	<1.0	<1.0	<2.0	1.2
	2/1/2011	982	218	<1.0	<1.0	<1.0	<2.0	<1.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-11	9/20/2001	460	88	<1.0	<1.0	<1.0	<2.0	<5.0
	12/14/2002	320	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	2/27/2002	<50	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	5/16/2002	380	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	9/18/2002	250	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	10/30/2002	260	<50	<0.5	<0.5	<0.5	<1.5	<2.5
	2/6/2003	250	<50	<0.5	<0.5	<0.5	<1.0	<1.0
	5/1/2003	220	<50	<0.5	<0.5	<0.5	<1.0	<1.0
	8/26/2003	300	<50	<0.5	<0.5	<0.5	<1.0	<1.0
	11/20/2003	77	<50	<0.5	<0.5	<0.5	<1.0	<1.0
	5/18/2004	<50	<50	<0.5	<0.5	<0.5	<1.0	<1.0
	8/30/2004	<56	<50	<0.5	<0.5	<0.5	<1.5	<1.0
	11/17/2004	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5
	2/23/2005	<50	<50	<0.5	<0.5	<0.5	<1.0	<0.5
	11/3/2005*	290	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/22/2006*	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	5/29/2006*	250	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	8/27/2006*	57	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/12/2006*	56	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/24/2007*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	61	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	9/2/2007*	67	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/10/2007*	55	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/28/2008*	71	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/28/2008*	110	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/2/2008*	200	<50	2.1	<0.5	0.51	0.70	<5.0
	3/25/2009	<99	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	6/11/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	8/28/2009	<94	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	11/24/2009	<100	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	2/19/2010	<95	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	5/12/2010	184	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	8/13/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	11/22/2010	<95	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	2/1/2011	<96	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	5/24/2011	<94	<50	<1.0	<1.0	<1.0	<2.0	<1.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-12	9/20/2001	540	960	<1.0	<1.0	<2.0	<5.0	11
	12/14/2002	170	670	<1.0	<1.0	<1.0	<2.0	9.4
	2/27/2002	350	950	<1.0	<1.0	<1.0	<2.0	11
	5/16/2002	500	1100	<1.0	<1.0	<1.0	<2.0	6.7
	9/18/2002	1,600	570	<1.0	<1.0	<1.0	<3.0	7.1
	10/30/2002	440	420	<0.5	<0.5	<0.5	<1.5	<2.5
	2/6/2003	190	340	<0.5	<0.5	<0.5	<1.0	6.8
	5/1/2003	580	950	<2.5	<2.5	3.7	9.0	8.8
	8/26/2003	110	260	<0.5	<0.5	<0.5	<1.0	11
	11/20/2003	100	160	<0.5	<0.5	<0.5	<1.0	8.9
	2/10/2004	210	490	<0.5	0.6	<0.5	<1.0	6.7
	5/18/2004	190	620	<0.5	<0.5	0.8	<1.0	5.6
	8/30/2004	<56	430	<0.5	<0.5	<0.5	<1.5	5.6
	11/17/2004	320	186	<0.5	0.5	0.5	<1.0	10.8
	2/23/2005	340	790	3.0	6.9	1.4	4.2	6.2
	11/3/2005*	120	440	<0.5	<0.5	<0.5	<0.5	6.6
	2/22/2006*	140	400	<0.5	<0.5	<0.5	<0.5	7.8
	5/29/2006*	140	310	<0.5	<0.5	<0.5	<0.5	5.7
	8/27/2006*	120	530	<0.5	<0.5	<0.5	<0.5	6.6
	11/16/2006*	200	740	<0.5	2.1	<0.5	6.3	<10
	2/24/2007*	87	200	<0.5	<0.5	<0.5	<0.5	<10
	5/27/2007*	140	340	<0.5	<0.5	1.4	1.8	<10
	9/2/2007*	130	430	<0.5	<0.5	<0.5	0.77	8.3
	11/10/2007*	94	360	<0.5	<0.5	<0.5	<0.5	<10
	2/28/2008*	160	55	<0.5	<0.5	<0.5	<0.5	10
	5/28/2008*	850	120	<0.5	<0.5	<0.5	<0.5	8.9
	11/2/2008*	200	320	0.64	<0.5	<0.5	<0.5	<5.0
	3/25/2009	<96	89.0	<1.0	<1.0	<1.0	<2.0	4.3
	6/11/2009	<95	115	<1.0	<1.0	<1.0	<2.0	1.7
	8/28/2009	<95	97.6	<1.0	<1.0	<1.0	<2.0	4.0
	11/24/2009	<96	104	<1.0	<1.0	<1.0	<2.0	<1.0
	2/19/2010	<95	107	<1.0	<1.0	<1.0	<2.0	2.6
	5/12/2010	<96	71.4	<1.0	<1.0	<1.0	<2.0	2.9
	8/13/2010	<94	54.5	<1.0	<1.0	<1.0	<2.0	4.1
	11/22/2010	<95	132	<1.0	<1.0	<1.0	<2.0	<1.0
	2/1/2011	<98	<50	<1.0	<1.0	<1.0	<2.0	2.9
	5/24/2011	<94	160	<1.0	<1.0	<1.0	<2.0	2.1

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-13	9/21/2001	<250	<50	<1.0	<1.0	<1.0	<2.0	7.4
	12/14/2002	160	<50	<1.0	<1.0	<1.0	<2.0	11
	2/27/2002	1,100	450	<1.0	<5.0	<1.0	<2.0	9.9
	11/3/2005*			Not sampled - free-phase product in well				
	2/22/2006*			Not sampled - free-phase product in well				
	5/29/2006*			Not sampled - free-phase product in well				
	11/16/2006*			Not sampled - free-phase product in well				
	5/27/2007*			Not sampled - free-phase product in well				
	9/2/2007*			Not sampled - free-phase product in well				
	11/10/2007*			Not sampled - free-phase product in well				
	2/28/2008*			Not sampled - free-phase product in well				
	5/25/2008*			Not sampled - free-phase product in well				
	3/24/2009			Not sampled - free-phase product in well				
	6/11/2009			Not sampled - free-phase product in well				
	8/28/2009			Not sampled - free-phase product in well				
	11/24/2009			Not sampled - free-phase product in well				
	2/19/2010			Not sampled - free-phase product in well				
	5/12/2010			Not sampled - free-phase product in well				
	8/13/2010			Not sampled - free-phase product in well				
	11/22/2010			Not sampled - free-phase product in well				
	2/1/2011			Not sampled - free-phase product in well				
	5/24/2011			Not sampled - free-phase product in well				

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
MW-14	3/25/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	5.8
	6/11/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	6.9
	8/28/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	7.7
	11/24/2009	<96	<50	<1.0	<1.0	<1.0	<2.0	5.4
	2/19/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	7.5
	5/12/2010	209	<50	<1.0	<1.0	<1.0	<2.0	6.3
	8/13/2010	<96	<50	<1.0	<1.0	<1.0	<2.0	7.6
	11/22/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	4.7
	2/1/2011	173	<50	<1.0	<1.0	<1.0	<2.0	6.5
	5/24/2011	<94	<50	<1.0	<1.0	<1.0	<2.0	8.8
MW-15	3/24/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	5.0
	6/11/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	6.2
	8/28/2009	<96	<50	<1.0	<1.0	<1.0	<2.0	7.1
	11/24/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	5.3
	2/19/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	6.5
	5/12/2010	<97	<50	<1.0	<1.0	<1.0	<2.0	5.6
	8/13/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	6.9
	11/22/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	6.0
	2/2/2011	171	<50	<1.0	<1.0	<1.0	<2.0	4.3
	5/24/2011	<97	<50	<1.0	<1.0	<1.0	<2.0	5.6
MW-16	3/24/2009	<96	62.9	<1.0	<1.0	<1.0	<2.0	10.3
	6/11/2009	<95	<50	<1.0	<1.0	<1.0	<2.0	7.2
	8/28/2009	<96	<50	<1.0	<1.0	<1.0	<2.0	7.8
	11/24/2009	<96	<50	<1.0	<1.0	<1.0	<2.0	6.3
	2/19/2010	<100	<50	<1.0	<1.0	<1.0	<2.0	7.4
	5/12/2010	255	<50	<1.0	<1.0	<1.0	<2.0	3.4
	8/13/2010	<96	<50	<1.0	<1.0	<1.0	<2.0	6.5
	11/22/2010	<94	<50	<1.0	<1.0	<1.0	<2.0	6.8
	2/1/2011	179	<50	<1.0	<1.0	<1.0	<2.0	3.8
	5/24/2011	<95	<50	<1.0	<1.0	<1.0	<2.0	4.9

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
W-1	5/16/2002	520	150	<1.0	<1.0	<1.0	<2.0	8.7
	3/2/2000	1,800	3,400	20.0	5.3	30	23.8	<5.0
	5/17/2000	1,100	7,300	35.0	11	59	45	<1.0
	8/31/2000	2,200	6,200	20.0	7.9	36	38.2	<10
	12/19/2000	1,700	5,600	20.0	8.4	30	35.6	<5.0
	3/20/2001	2,100	7,200	32.0	13	56	40	<10
	6/7/2001	2,100	7,300	26.0	18	42	38.3	<10
	9/21/2001	1,800	7,100	27	<10	48	40	<10
	2/27/2002	1,800	7,100	24	9	52	34	<25
	2/6/2003	990	5,300	11	4.7	27	24	<1.0
	8/26/2003	1,700	5,800	7.5	5.4	24	25	<10
	2/10/2004	940	6,000	16.0	4.9	20	21	<1.0
	8/30/2004	<56	2,500	8.6	3.6	11	18	<1.30
	2/23/2005	1,910	3,900	74.1	12.2	64.4	48.2	<0.5
	11/3/2005*	2,400	6,200	7.2	3.6	5.7	20	0.73
	5/29/2006*	1,700	4,600	18.0	4.4	17	32	<17
	11/16/2006*	760	2,600	18.0	3.7	10	19	<10
	5/27/2007*	1,200	4,200	20.0	34	12	17	<45
	11/10/2007*	1,200	6,100	32.0	<2.5	9.4	14	<25
	5/25/2008*	1,300	5,700	18.0	1.8	11	13	<17
3/24/2009	637	3,850	10.9	<10	<10	<20	<10	
8/27/2009	681	5,010	<10	<10	<10	<20	<10	
2/18/2010	<95	5,820	12.4	<10	11	20.3	<10	
8/12/2010	698	4,650	<10	<10	<10	<20	<10	
2/1/2011	514	6,570	10.2	<10	<10	<20	<10	
W-2	9/18/2002	1,000	5900	11	<22	23	22	<5.0
	5/17/2000	19,000	870	<2.0	<1.0	<2.0	<4.0	<5.0
	8/31/2000	7,400	2200	4.6	2.5	3.8	11	<5.0

TABLE 2
ANALYTICAL RESULTS GROUNDWATER SAMPLES
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	TPH-8015 (diesel)	TPH-8015 (gas)	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
MCL (ug/l)		None	None	1.0	150	300	1750	13
ESL (ug/l)		210	210	1.0	150	300	1750	13
W-3	12/19/2000	10,000	290	8.8	3.4	8.6	17.4	<5.0
	5/17/2000	<50	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	8/31/2000	<50	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	12/18/2000	<250	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	3/20/2001	630	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	11/3/2005*	<50	<50	<0.5	<0.5	<0.5	<0.5	1.2
	5/29/2006*	<50	240	<0.5	<0.5	<0.5	<0.5	<5.0
	11/16/2006*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/10/2007*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
W-4	5/25/2008*	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	6/7/2001	1,200	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	3/2/2000	190	<50	1.1	<1.0	<1.0	<2.0	<5.0
	5/17/2000	230	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	8/31/2000	240	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	12/19/2000	320	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	3/21/2001	220	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	6/7/2001	430	<50	<1.0	<1.0	<1.0	<2.0	<5.0
	11/3/2005*	66	<50	<0.5	<0.5	<0.5	<0.5	2.0
	5/29/2006*	110	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	11/16/2006*	72	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	5/27/2007*	180	99	0.89	<0.5	<0.5	<0.5	<5.0
	11/10/2007*	83	<50	<0.5	<0.5	<0.5	<0.5	<5.0
5/25/2008*	71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	

Notes:

ug/l: micrograms per liter
TPH: Total Petroleum Hydrocarbons
MTBE: methyl tert butylether
MCL: Maximum Contaminant Level
NA: not analyzed

* Essel Technology Services, Inc.

TABLE 3
MW-13 Monthly Overpurge
AC TRANSIT
1177 47TH STREET, EMERYVILLE, CALIFORNIA

Date	Depth to Oil	Depth to Water	Product	Gallons Purged
3/24/2009	8.89	9.25	0.36	12
4/24/2009	10.14	10.42	0.28	12
5/1/2009	*	*	*	12
6/11/2009	10.17	10.45	0.28	11
7/27/2009	10.14	10.45	0.31	12
8/27/2009	10.40	10.78	0.38	10
9/23/2009	9.30	9.65	0.35	10
10/26/2009	9.69	9.97	0.28	8
11/24/2009	9.17	9.55	0.38	8
12/1/2009	*	*	*	8
1/29/2010	*	*	*	7
2/18/2010	8.78	9.13	0.35	7
3/1/2010	*	*	*	7
4/1/2010	*	*	*	6
5/12/2010	8.52	8.86	0.34	6
6/24/2010	9.01	9.12	0.11	6
7/16/2010	*	*	*	6
8/12/2010	9.34	9.48	0.14	6
9/24/2010	*	10.91	*	10
10/25/2010	9.10	9.19	0.09	7.5
11/22/2010	9.02	9.14	0.12	8
12/31/2010	7.50	7.64	0.14	8
1/28/2011	8.68	8.74	0.06	6
2/28/2011	7.23	7.34	0.11	7
3/11/2011	7.83	7.92	0.09	8
4/29/2011	8.31	8.37	0.06	6
5/24/2011	8.97	9.00	0.03	6

Notes:

* Oil/Water Interface Probe not working properly

APPENDIX A

**CHAIN-OF-CUSTODY DOCUMENTATION
FIELD DATA SHEETS
CERTIFIED ANALYTICAL REPORTS**

HYDRODATA

PROJECT: AC_Transit-Emeryville

EVENT: 2Q2011

SAMPLER: DB

NO.	WELL OR LOCATION	DATE	TIME	MEASUREMENT	CODE	COMMENTS
1	MW-1	5/24/2011	0708	3.96	SWL	
2	MW-2	5/24/2011	0715	3.53	SWL	
3	MW-3	5/24/2011	0705	5.01	SWL	
4	MW-4	5/24/2011	0701	5.15	SWL	
5	MW-5	5/24/2011	0711	3.37	SWL	
6	MW-6	5/24/2011	0736	2.91	SWL	
7	MW-7	5/24/2011	0752	4.60	SWL	
8	MW-8	5/24/2011	0731	4.16	SWL	
9	MW-9	5/24/2011	0723	3.00	SWL	
10	MW-10	5/24/2011	0756	9.30	SWL	
11	MW-11	5/24/2011	0748	2.39	SWL	
12	MW-12	5/24/2011	0800	10.04	SWL	
13	MW-13	5/24/2011	0815	8.97	OIL	
14	MW-13	5/24/2011	0815	9.00	SWL	
15	MW-14	5/24/2011	0811	8.95	SWL	
16	MW-15	5/24/2011	0833	8.47	SWL	
17	MW-16	5/24/2011	0822	6.84	SWL	
18	W-1	5/24/2011	0745	4.99	SWL	
19	W-3	5/24/2011	0658	6.20	SWL	
20	W-4	5/24/2011	0738	3.54	SWL	

CODES:

SWL - Static Water Level

OIL - Oil Level

OWI - Oil/Water Interface

MTD - Measured Total Depth

CAMERON-COLE
SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-14

PROJECT AC Transit - Emeryville EVENT 2Q2011 SAMPLER DB DATE 5/24/2011

<p>Intake depth <u>20'</u></p> <p>SWL <u>8.94</u> (if above screen)</p> <p>SWL _____ (if in screen)</p> <p>Measured TD _____</p> <p>Diameter <u>2"</u></p> <p><u>0.165</u> gal/ft. casing</p> <p><u>13</u> =TOP</p> <p><u>23</u> =BOP</p> <p><u>23</u> =TD (as built)</p>	Well type <u>MW</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW
	Start Pump / Begin	<u>1006</u>	<u>1.0</u>	<u>8.94</u>	
	Stop	<u>1007</u>			
	Sampled	<u>1010</u>		<u>10.91</u>	
	Final IWL				
	PURGE CALCULATION				
$0.165 \text{ gal/ft.} * 14.06 \text{ ft.} = 2.32 \text{ gals.} \times 3 = 6.96 \text{ gals.}$ <p align="center">SWL to TD one volume purge volume - 3 casings</p> <p align="center">2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.</p>					

Equipment Used / Sampling Method / Description of Event:

Centrifugal pump used to purge;
disposable bailer used to sample.

Actual gallons purged 7

Actual volumes purged 3.02

Well Yield ⊕ HY

COC # _____

Additional Comments:

Sample I.D.	Analysis	Lab
<u>MW-14</u>	BTEX, MTBE,TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
<u>2</u>	<u>18.1</u>	<u>814</u>	<u>6.50</u>	<u>15.24</u>	
<u>4</u>	<u>18.1</u>	<u>809</u>	<u>6.48</u>	<u>14.76</u>	
<u>6</u>	<u>18.3</u>	<u>801</u>	<u>6.46</u>	<u>5.32</u>	

*Take measurement at approximately each casing volume purged. ⊕ HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE
SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-16

PROJECT AC Transit - Emeryville EVENT 2Q2011 SAMPLER DB DATE 5/24/2011

<p>Intake depth <u>21'</u></p> <p>SWL <u>6.94</u> (if above screen)</p> <p>SWL (if in screen)</p> <p>Measured TD</p> <p>Diameter <u>2"</u></p> <p><u>0.165</u> gal/ft. casing</p> <p><u>19</u> =TOP</p> <p><u>24</u> =BOP</p> <p><u>24</u> =TD (as built)</p>	Well type <u>MW</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW
	Start Pump / Begin	<u>0927</u>	<u>1.13</u>	<u>6.94</u>	
	Stop	<u>0935</u>			
	Sampled	<u>0940</u>			<u>1010</u>
	Final IWL				
	PURGE CALCULATION				
$\underline{0.165} \text{ gal/ft.} * \frac{\underline{17.06} \text{ ft.}}{\text{SWL to TD}} = \frac{\underline{2.81}}{\text{one volume}} \text{ gals.} \times 3 = \frac{\underline{8.44}}{\text{purge volume - 3 casings}} \text{ gals.}$					
2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.					

Equipment Used / Sampling Method / Description of Event:

Centrifugal pump used to purge;
disposable bailer used to sample.

Actual gallons purged	<u>9</u>
Actual volumes purged	<u>3.20</u>
Well Yield ⊕	<u>MY</u>
COC # _____	

Additional Comments:

Sample I.D.	Analysis	Lab
<u>MW-16</u>	BTEX, MTBE, TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
1. <u>2</u>	<u>17.4</u>	<u>965</u>	<u>6.80</u>	<u>17.31</u>	
2. <u>4</u>	<u>17.6</u>	<u>962</u>	<u>6.76</u>	<u>12.84</u>	
3. <u>7</u>	<u>17.9</u>	<u>963</u>	<u>6.75</u>	<u>12.20</u>	
4.					
5.					

*Take measurement at approximately each casing volume purged. ⊕

HY- Minimal W.L. drop MY- WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY- Able to purge 3 volumes by returning later or next day. VLY- Minimal recharge - unable to purge 3 volumes.

Technical Report for

Cameron-Cole

T0600118672-AC Transit, Emeryville, CA

2036-001

Accutest Job Number: C16215

Sampling Date: 05/24/11

Report to:

Cameron-Cole
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Oakland, CA 94621
dbaker@cameron-cole.com; dmetz@cameron-cole.com;
ssurani@cameron-cole.com
ATTN: Dennis Baker

Total number of pages in report: **32**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Laurie Glantz-Murphy
Laboratory Director

Client Service contact: Simon Hague 408-588-0200

Certifications: CA (08258CA) AZ (AZ0762) DoD/ISO/IEC 17025:2005 (L2242)

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Test results relate only to samples analyzed.

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2

3

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Sample Summary

Cameron-Cole

Job No: C16215

T0600118672-AC Transit, Emeryville, CA
 Project No: 2036-001

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
C16215-1	05/24/11	08:40 DB	05/24/11	AQ	Trip Blank Water	TB-01
C16215-2	05/24/11	09:05 DB	05/24/11	AQ	Ground Water	MW-15
C16215-3	05/24/11	09:40 DB	05/24/11	AQ	Ground Water	MW-16
C16215-4	05/24/11	10:10 DB	05/24/11	AQ	Ground Water	MW-14
C16215-5	05/24/11	10:40 DB	05/24/11	AQ	Ground Water	MW-11
C16215-6	05/24/11	11:10 DB	05/24/11	AQ	Ground Water	MW-12

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Cameron-Cole

Job No C16215

Site: T0600118672-AC Transit, Emeryville, CA

Report Date 6/1/2011 2:28:11 PM

5 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 05/24/2011 and were received at Accutest on 05/24/2011 properly preserved, at 4.9 Deg. C and intact. These Samples received an Accutest job number of C16215. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: VQ69

- Sample(s) C16215-2MS, C16215-2MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015B M

Matrix: AQ

Batch ID: OP3943

- Sample(s) C16184-20MS, C16184-20MSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: OP3950

- Sample(s) C16238-7MS, C16238-7MSD were used as the QC samples indicated.

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: TB-01	Date Sampled: 05/24/11
Lab Sample ID: C16215-1	Date Received: 05/24/11
Matrix: AQ - Trip Blank Water	Percent Solids: n/a
Method: SW846 8260B	
Project: T0600118672-AC Transit, Emeryville, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q1983.D	1	05/26/11	BD	n/a	n/a	VQ69
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		60-130%
2037-26-5	Toluene-D8	99%		60-130%
460-00-4	4-Bromofluorobenzene	100%		60-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: MW-15	Date Sampled: 05/24/11
Lab Sample ID: C16215-2	Date Received: 05/24/11
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: T0600118672-AC Transit, Emeryville, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q1984.D	1	05/26/11	BD	n/a	n/a	VQ69
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.6	1.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		60-130%
2037-26-5	Toluene-D8	100%		60-130%
460-00-4	4-Bromofluorobenzene	103%		60-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: MW-15		Date Sampled: 05/24/11
Lab Sample ID: C16215-2		Date Received: 05/24/11
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015B M SW846 3510C		
Project: T0600118672-AC Transit, Emeryville, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG25381.D	1	05/26/11	JH	05/26/11	OP3950	GGG694
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.097	mg/l	
	TPH (Motor Oil)	ND	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	53%		45-140%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-16		Date Sampled: 05/24/11
Lab Sample ID: C16215-3		Date Received: 05/24/11
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: T0600118672-AC Transit, Emeryville, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q1985.D	1	05/26/11	BD	n/a	n/a	VQ69
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.9	1.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		60-130%
2037-26-5	Toluene-D8	103%		60-130%
460-00-4	4-Bromofluorobenzene	115%		60-130%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-16		Date Sampled: 05/24/11
Lab Sample ID: C16215-3		Date Received: 05/24/11
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015B M SW846 3510C		
Project: T0600118672-AC Transit, Emeryville, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH13265.D	1	05/26/11	JH	05/25/11	OP3943	GHH484
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.095	mg/l	
	TPH (Motor Oil)	ND	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	65%		45-140%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-14		Date Sampled: 05/24/11
Lab Sample ID: C16215-4		Date Received: 05/24/11
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: T0600118672-AC Transit, Emeryville, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q1986.D	1	05/26/11	BD	n/a	n/a	VQ69
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	8.8	1.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		60-130%
2037-26-5	Toluene-D8	97%		60-130%
460-00-4	4-Bromofluorobenzene	99%		60-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-14	
Lab Sample ID: C16215-4	Date Sampled: 05/24/11
Matrix: AQ - Ground Water	Date Received: 05/24/11
Method: SW846 8015B M SW846 3510C	Percent Solids: n/a
Project: T0600118672-AC Transit, Emeryville, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH13266.D	1	05/26/11	JH	05/25/11	OP3943	GHH484
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.094	mg/l	
	TPH (Motor Oil)	ND	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	65%		45-140%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

Client Sample ID: MW-11	Date Sampled: 05/24/11
Lab Sample ID: C16215-5	Date Received: 05/24/11
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: T0600118672-AC Transit, Emeryville, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q1987.D	1	05/26/11	BD	n/a	n/a	VQ69
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		60-130%
2037-26-5	Toluene-D8	101%		60-130%
460-00-4	4-Bromofluorobenzene	93%		60-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

Client Sample ID: MW-11		Date Sampled: 05/24/11
Lab Sample ID: C16215-5		Date Received: 05/24/11
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015B M SW846 3510C		
Project: T0600118672-AC Transit, Emeryville, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH13267.D	1	05/26/11	JH	05/25/11	OP3943	GHH484
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.094	mg/l	
	TPH (Motor Oil)	ND	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	60%		45-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: MW-12	Date Sampled: 05/24/11
Lab Sample ID: C16215-6	Date Received: 05/24/11
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: T0600118672-AC Transit, Emeryville, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q1988.D	1	05/26/11	BD	n/a	n/a	VQ69
Run #2							

Run #	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.1	1.0	ug/l	
	TPH-GRO (C6-C10)	160	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		60-130%
2037-26-5	Toluene-D8	116%		60-130%
460-00-4	4-Bromofluorobenzene	127%		60-130%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.6
3

Client Sample ID: MW-12		Date Sampled: 05/24/11
Lab Sample ID: C16215-6		Date Received: 05/24/11
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015B M SW846 3510C		
Project: T0600118672-AC Transit, Emeryville, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH13268.D	1	05/26/11	JH	05/25/11	OP3943	GHH484
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.094	mg/l	
	TPH (Motor Oil)	ND	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	85%		45-140%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ69-MB	Q1981.D	1	05/26/11	BD	n/a	n/a	VQ69

The QC reported here applies to the following samples:

Method: SW846 8260B

C16215-1, C16215-2, C16215-3, C16215-4, C16215-5, C16215-6

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	2.0	ug/l	
	TPH-GRO (C6-C10)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Results	Limits
1868-53-7	Dibromofluoromethane	107%	60-130%
2037-26-5	Toluene-D8	91%	60-130%
460-00-4	4-Bromofluorobenzene	95%	60-130%

Blank Spike Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ69-BS1	Q1980.D	1	05/26/11	BD	n/a	n/a	VQ69

The QC reported here applies to the following samples:

Method: SW846 8260B

C16215-1, C16215-2, C16215-3, C16215-4, C16215-5, C16215-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
	TPH-GRO (C6-C10)	125	117	94	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	60-130%
2037-26-5	Toluene-D8	85%	60-130%
460-00-4	4-Bromofluorobenzene	99%	60-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VQ69-BS	Q1977.D	1	05/26/11	BD	n/a	n/a	VQ69
VQ69-BSD	Q1979.D	1	05/26/11	BD	n/a	n/a	VQ69

The QC reported here applies to the following samples:

Method: SW846 8260B

C16215-1, C16215-2, C16215-3, C16215-4, C16215-5, C16215-6

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	24.0	120	22.7	114	6	60-130/30
100-41-4	Ethylbenzene	20	23.5	118	22.9	115	3	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	24.5	123	22.3	112	9	60-130/30
108-88-3	Toluene	20	22.7	114	18.8	94	19	60-130/30
1330-20-7	Xylene (total)	60	69.3	116	67.1	112	3	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	103%	105%	60-130%
2037-26-5	Toluene-D8	102%	88%	60-130%
460-00-4	4-Bromofluorobenzene	101%	99%	60-130%

5.3.1
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C16215-2MS	Q1992.D	1	05/26/11	BD	n/a	n/a	VQ69
C16215-2MSD	Q1993.D	1	05/26/11	BD	n/a	n/a	VQ69
C16215-2	Q1984.D	1	05/26/11	BD	n/a	n/a	VQ69

The QC reported here applies to the following samples:

Method: SW846 8260B

C16215-1, C16215-2, C16215-3, C16215-4, C16215-5, C16215-6

CAS No.	Compound	C16215-2 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	20	22.8	114	23.1	116	1	60-130/25
100-41-4	Ethylbenzene	ND	20	25.7	129	22.8	114	12	60-130/25
1634-04-4	Methyl Tert Butyl Ether	5.6	20	27.6	110	30.5	125	10	60-130/25
108-88-3	Toluene	ND	20	22.9	115	20.7	104	10	60-130/25
1330-20-7	Xylene (total)	ND	60	67.4	112	65.2	109	3	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C16215-2	Limits
1868-53-7	Dibromofluoromethane	107%	108%	104%	60-130%
2037-26-5	Toluene-D8	109%	102%	100%	60-130%
460-00-4	4-Bromofluorobenzene	117%	102%	103%	60-130%

5.4.1
5

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3943-MB	HH13233.D	1	05/25/11	JH	05/24/11	OP3943	GHH484

The QC reported here applies to the following samples:

Method: SW846 8015B M

C16215-3, C16215-4, C16215-5, C16215-6

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.10	mg/l	
	TPH (Motor Oil)	ND	0.20	mg/l	

CAS No.	Surrogate Recoveries	Limits
630-01-3	Hexacosane	64% 45-140%

Method Blank Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3950-MB	GG25394.D	1	05/26/11	JH	05/26/11	OP3950	GGG694

The QC reported here applies to the following samples:

Method: SW846 8015B M

C16215-2

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.10	mg/l	
	TPH (Motor Oil)	ND	0.20	mg/l	

CAS No.	Surrogate Recoveries	Limits
630-01-3	Hexacosane	66% 45-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3943-BS	HH13234.D	1	05/25/11	JH	05/24/11	OP3943	GHH484
OP3943-BSD	HH13235.D	1	05/25/11	JH	05/24/11	OP3943	GHH484

The QC reported here applies to the following samples:

Method: SW846 8015B M

C16215-3, C16215-4, C16215-5, C16215-6

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	1	0.573	57	0.561	56	2	45-140/30
	TPH (Motor Oil)	1	0.671	67	0.654	65	3	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	77%	62%	45-140%

6.2.1
6

Blank Spike/Blank Spike Duplicate Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3950-BS	GG25395.D	1	05/27/11	JH	05/26/11	OP3950	GGG694
OP3950-BSD	GG25396.D	1	05/27/11	JH	05/26/11	OP3950	GGG694

The QC reported here applies to the following samples:

Method: SW846 8015B M

C16215-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	1	0.593	59	0.569	57	4	45-140/30
	TPH (Motor Oil)	1	0.685	69	0.623	62	9	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	68%	61%	45-140%

6.2.2

6

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3943-MS	GG25369.D	1	05/26/11	JH	05/24/11	OP3943	GGG694
OP3943-MSD	GG25370.D	1	05/26/11	JH	05/24/11	OP3943	GGG694
C16184-20	HH13262.D	1	05/26/11	JH	05/24/11	OP3943	GHH484

The QC reported here applies to the following samples:

Method: SW846 8015B M

C16215-3, C16215-4, C16215-5, C16215-6

CAS No.	Compound	C16184-20 mg/l	Spike Q mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	ND	2	1.24	62	1.01	51	20	45-140/25
	TPH (Motor Oil)	ND	2	1.21	61	1.08	54	11	45-140/25

CAS No.	Surrogate Recoveries	MS	MSD	C16184-20	Limits
630-01-3	Hexacosane	71%	61%	60%	45-140%

6.3.1
6

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C16215
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP3950-MS	GG25411.D	1	05/27/11	JH	05/26/11	OP3950	GGG694
OP3950-MSD	GG25412.D	1	05/27/11	JH	05/26/11	OP3950	GGG694
C16238-7	GG25402.D	1	05/27/11	JH	05/26/11	OP3950	GGG694

The QC reported here applies to the following samples:

Method: SW846 8015B M

C16215-2

CAS No.	Compound	C16238-7 mg/l	Spike Q mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	ND	1.89	1.01	54	1.06	56	5	45-140/25
	TPH (Motor Oil)	ND	1.89	1.17	62	1.28	68	9	45-140/25

CAS No.	Surrogate Recoveries	MS	MSD	C16238-7	Limits
630-01-3	Hexacosane	61%	64%	70%	45-140%