Alameda-Contra Costa Transit District

October 12, 2012

Mr. Ralph Lambert
San Francisco Bay
Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, CA 94612

Dear Mr. Lambert:

Subject: Groundwater Monitoring Report – Third Quarter 2012
AC Transit, 1177 47th Street, Emeryville, CA
Fuel Leak Case No. RO0000402 and GeoTracker Global ID T0600118672

AC Transit hereby submits the enclosed groundwater monitoring report for the AC Transit facility located at 1177 47th Street in Emeryville. This report also contains present concentration trend graphs (provided in Appendix B) and a brief history of the site (provided in Appendix C).

The report was prepared by our consultant, Cameron-Cole, and contains the results of groundwater monitoring performed on August 23 and 24, 2012, from sixteen monitoring wells. Well MW-13 was measured to have 0.06 feet of free product and was not sampled for chemical analysis. Monthly purging of well MW-13 continues to be performed as an interim remedial measure.

Sampling results indicated total petroleum hydrocarbons (TPH) as degraded diesel present above the environmental screening level (ESL) of 100 ppb in monitoring wells MW-6 at 4,230 ppb, MW-10 at 1,330 ppb and W-1 at 373 ppb. Degraded gasoline was detected above the ESL of 100 ppb in monitoring wells MW-6 at 2,660 ppb, MW-7 at 360 ppb, MW-10 at 260 ppb and W-1 at 3,480 ppb. Chemical concentrations in excess of Maximum Contaminant Levels (MCLs) were limited to benzene in well MW-6 at 39.3 ppb. MTBE was detected above the ESL of 5 ppb in well MW-14 at 6.9 ppb.

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

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

Enclosure

Lambert 10'12'12

10626 International Blvd., Oakland, CA 94603 • (510) 577-8869 • schaewsk@actransit.org

THIRD QUARTER 2012 GROUNDWATER MONITORING REPORT FOR THE AC TRANSIT FACILITY LOCATED AT 1177 47th STREET, EMERYVILLE, CALIFORNIA

October 2012

Prepared For:

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

Prepared By:

Cameron-Cole
50 Hegenberger Loop
Oakland, California 94621

THIRD QUARTER 2012 GROUNDWATER MONITORING REPORT FOR THE AC TRANSIT FACILITY LOCATED AT 1177 47th STREET, EMERYVILLE, CALIFORNIA

October 2012

Prepared For:

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

Prepared By:

Cameron-Cole
50 Hegenberger Loop
Oakland, California 94621

Reviewed By
Brad Wright, PG, CHG
Principle Hydrogeologist #6276
Exp. 2-14

Written By
Dennis Baker
Environmental Specialist

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

APPENDICES

INTRODUCTION

This report presents the results from the third quarter 2012 groundwater monitoring event for the AC Transit Facility located at 1177 47th Street, Emeryville, California (Figure 1). The third quarter 2012 groundwater monitoring event was performed by Cameron-Cole on August 23rd through 24th, 2012. Groundwater monitoring at the Emeryville facility is performed on a semiannual schedule 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 16 monitor wells (MW-1 through MW-12, MW-14 through MW-16, and W-1), and overpurging monitor well MW-13. A groundwater sample was not collected from MW-13 due to the presence of a hydrocarbon sheen. 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 August 23, 2012, 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 0.029 feet/foot. Monitor well MW-13 was the only well with a free-phase hydrocarbon layer, which measured 0.06 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 third quarter 2012 and historic analytical results of groundwater testing. Concentration over time graphs are presented in Appendix B. Benzene was detected above the Maximum Contaminate Level (MCL) of 1.0 ug/l in monitor well MW-6 (39.3 ug/l). TPH as degraded diesel was detected above the environmental screening level (ESL) of 100 micrograms per liter (ug/l) in monitor wells MW-6 (4,230 ug/l), MW-10 (1,330 ug/l), and W-1 (373 ug/l). Degraded gasoline was detected above the 100 ug/l ESL in monitor wells MW-6 (2,660 ug/l), MW-7 (360 ug/l), MW-10 (260 ug/l) and W-1 (3,480 ug/l). MTBE was detected above the 5 ug/l ESL in monitor well MW-14. 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.

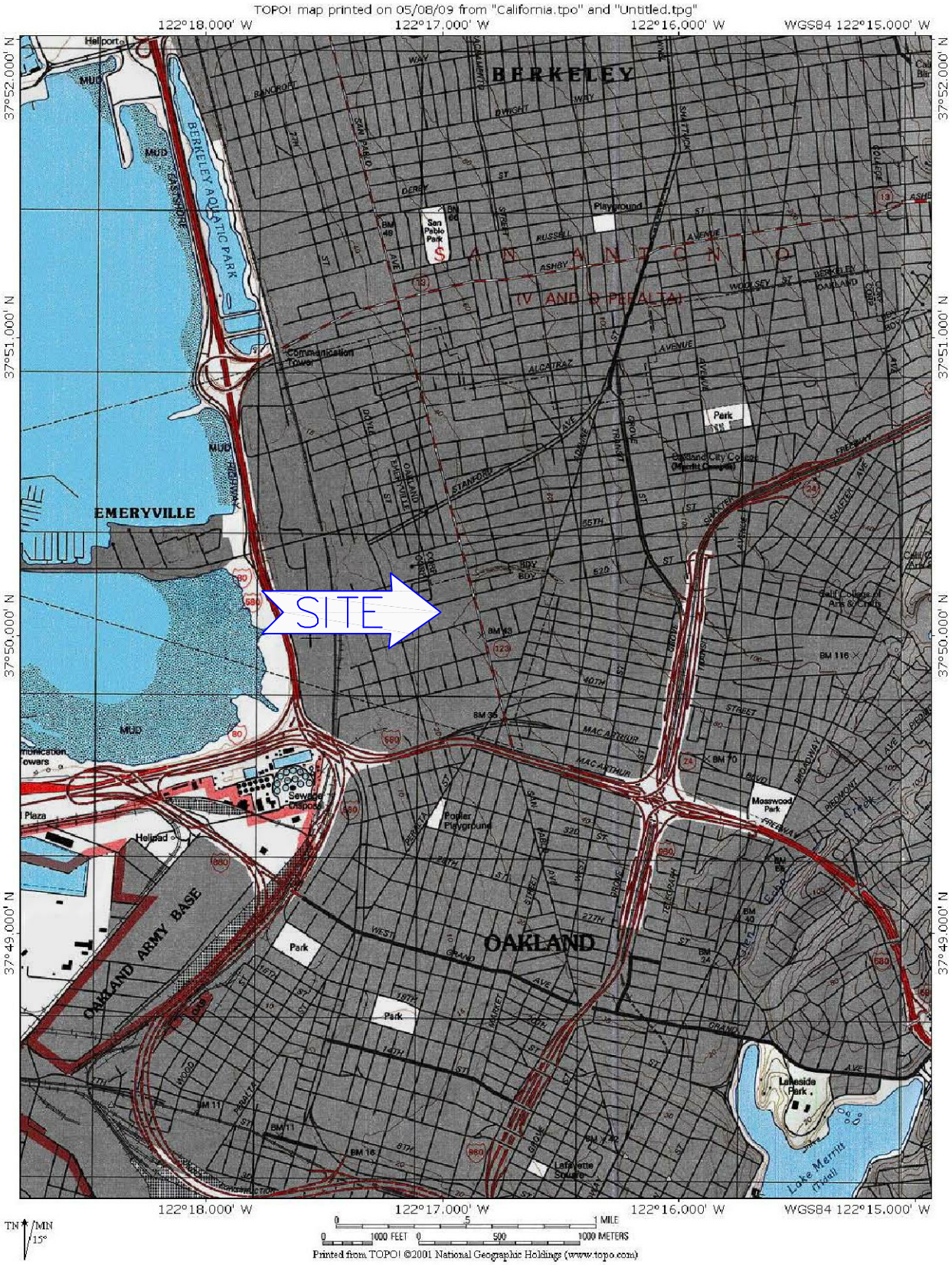
SUMMARY OF RESULTS

- Groundwater flow is to the west at a gradient of 0.029 feet/foot.
- The free phase hydrocarbon layer measured in MW-13 was removed by over purging.
- Benzene was detected above the MCL of 1.0 ug/l in MW-6.
- TPH-d was detected above the 100 ug/l ESL in monitor wells MW-6, MW-10 and W-1.
- TPH-g was detected above the 100 ug/l ESL in monitor wells MW-6, MW-7, MW-10 and W-1.
- MTBE was detected above the 5 ug/l ESL in monitor well MW-14. Concentrations of MTBE were below the 13 ug/l MCL in all site monitor wells.

PROJECTED WORK AND RECOMMENDATIONS

Semi-annual groundwater sampling of monitor wells MW-1 through MW-16 and W1 is scheduled for February 2013. 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 will continue if a free-phase hydrocarbon layer is present.

FIGURES



2036-003A

Cameron-Cole
101 WEST ATLANTIC AVENUE, BUILDING 90
ALAMEDA, CALIFORNIA 94501
PHONE: 510-337-8660
FAX: 510-337-3994
http://www.cameron-cole.com

FIGURE 1

SITE LOCATION MAP
AC TRANSIT – EMERYVILLE
EMERYVILLE, CALIFORNIA

SCALE:	DATE:
AS NOTED	05-08-09

EMERYVILLE BUSINESS CENTER
4701 DOYLE STREET

47TH STREET

45TH STREET

DOYLE STREET

PARKING STRUCTURE

TRANSPORTATION BUILDING

BUS WASHER BUILDING

FUEL ISLAND

UNDERGROUND FUEL STORAGE TANKS TANK FARM NO. 1

TIRE BUILDING

PUMP STATION

EMERGENCY GENERATOR

550 GAL. UST

OIL/WATER SEPARATOR NO. 1

STORMWATER TREATMENT SYSTEM

OIL/WATER SEPARATOR NO. 2

OIL/WATER SEPARATOR NO. 3

OIL/WATER SEPARATOR NO. 4

MAINTENANCE BUILDING

TANK FARM NO. 2

SURFACE DRAINAGE TRENCH

SURFACE DRAINAGE TRENCH

SURFACE DRAINAGE TRENCH

MW15	14.84
MW16	15.17
MW14	16.44
MW13	17.22*
MW10	21.91
MW12	21.10
MW9	28.92
MW8	27.76
MW7	27.16
MW11	28.32
MW6	30.39
W4	30.60
W1	30.66
MW5	30.80
MW1	30.99
MW2	30.92
MW3	31.38
MW4	31.31
W2	
W3	33.13

LEGEND

- MANHOLE
- CATCH BASIN
- SD — STORM DRAIN PIPELINE
- SS — SANITARY SEWER PIPELINE
- IW — INDUSTRIAL WASTE PIPELINE
- CHAIN LINK FENCE
- MONITOR WELL
- ABANDONED MONITOR WELL
- 30.99 — POTENTIOMETRIC SURFACE ELEVATION
- 26 — POTENTIOMETRIC SURFACE CONTOUR
- GROUNDWATER FLOW DIRECTION
- * DATA NOT USED IN CONTOURING

N

0 100
FEET

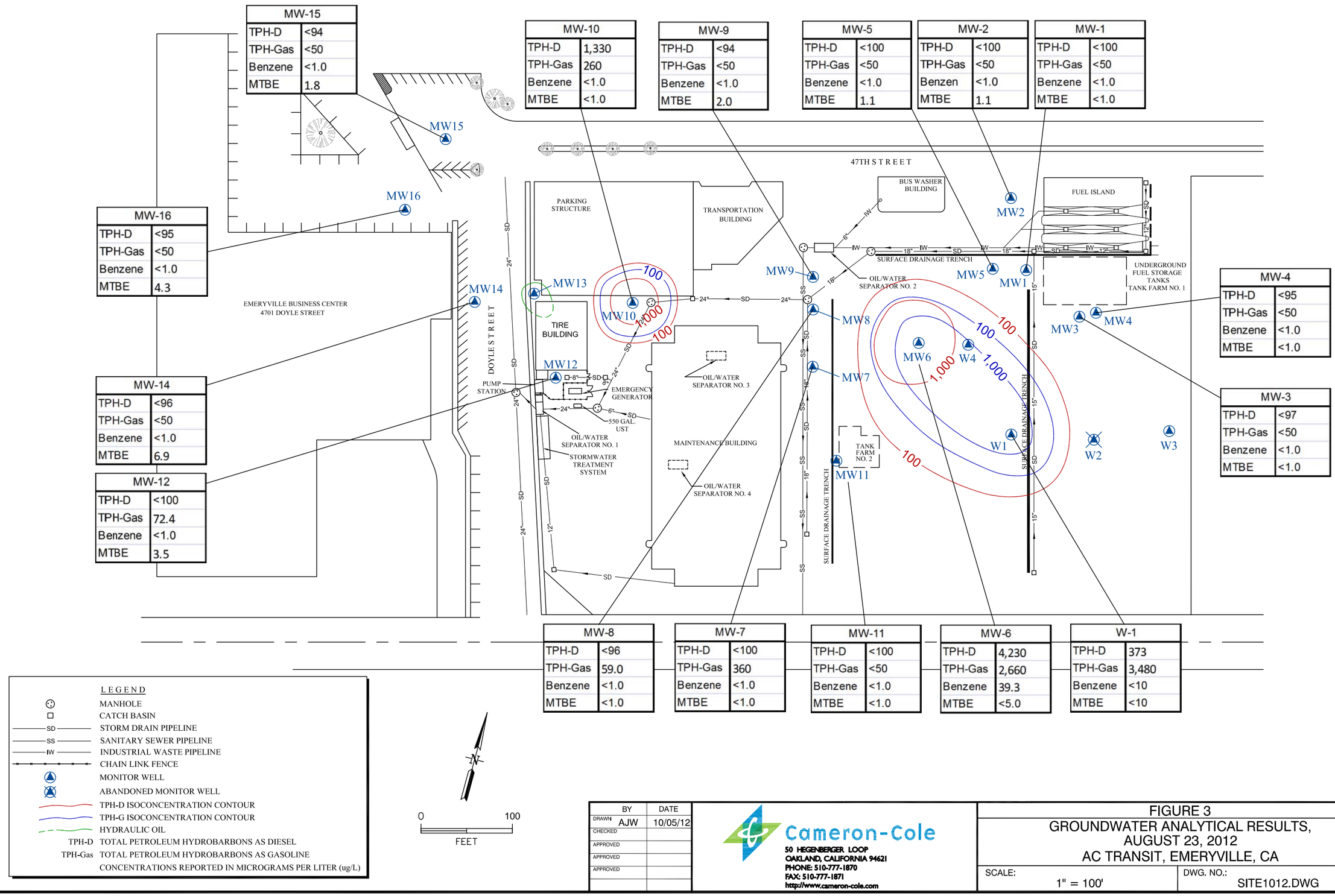
	BY	DATE
DRAWN	AJW	10/04/12
CHECKED		
APPROVED		
APPROVED		
APPROVED		

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-
AUGUST 23, 2012
AC TRANSIT, EMERYVILLE, CA

SCALE: 1" = 100'

DWG. NO.: SITE1012.DWG



	BY	DATE
DRAWN	AJW	10/05/12
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 3
GROUNDWATER ANALYTICAL RESULTS, AUGUST 23, 2012
AC TRANSIT, EMERYVILLE, CA

SCALE: 1" = 100'

DWG. NO.: SITE1012.DWG

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
	8/2/2011		None	4.23	31.43	NA
	2/23/2012		None	4.10	31.56	NA
	8/23/2012		**None**	**4.67**	**30.99**	**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
	8/2/2011		None	3.74	31.40	NA
	2/23/2012		None	3.61	31.53	NA
	8/23/2012		**None**	**4.22**	**30.92**	**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
	8/2/2011		None	5.22	31.93	NA
	2/23/2012		None	5.21	31.94	NA
	8/23/2012		**None**	**5.77**	**31.38**	**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-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
	8/2/2011		None	5.37	31.78	NA
	2/23/2012		**None**	**5.28**	31.87	**NA**
	8/23/2012		**None**	**5.84**	**31.31**	**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-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
	8/2/2011		None	3.64	31.20	NA
	2/23/2012		None	3.50	31.34	NA
	8/23/2012		**None**	**4.04**	**30.80**	**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
	8/2/2011		None	3.22	30.87	NA
	2/23/2012		None	3.00	31.09	NA
	8/23/2012		**None**	**3.70**	**30.39**	**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
	8/2/2011		None	4.75	27.92	NA
	2/23/2012		None	5.07	27.60	NA
	8/23/2012		**None**	**5.51**	**27.16**	**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
	8/2/2011		None	4.46	27.98	NA
	2/23/2012		None	4.36	28.08	NA
	8/23/2012		**None**	**4.68**	**27.76**	**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
	11/24/20090		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
	8/2/2011		None	3.21	29.10	NA
	2/23/2012		None	3.07	29.24	NA
	8/23/2012		**None**	**3.39**	**28.92**	**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
	8/2/2011		None	9.75	22.17	NA
	2/23/2012		None	9.58	22.34	NA
	8/23/2012		**None**	**10.01**	**21.91**	**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
	8/2/2011		None	2.96	28.99	NA
	2/23/2012		None	2.55	29.40	NA
	8/23/2012		**None**	**3.63**	**28.32**	**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
	8/2/2011		None	10.13	21.63	NA
	2/23/2012		None	10.94	20.82	NA
	8/23/2012		None	**10.66**	**21.10**	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		0.05	9.00	17.70	17.74
	8/2/2011		0.27	9.27	17.43	17.65
	2/23/2012		0.04	9.22	17.48	17.51
	8/23/2012		**0.06**	**9.48**	**17.22**	**17.27**

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	NA
	8/2/2011		None	9.34	16.64	NA
	2/23/2012		None	9.26	16.72	NA
	8/23/2012		**None**	**9.54**	**16.44**	**NA**
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	NA
	8/2/2011		None	8.82	15.40	NA
	2/23/2012		None	8.00	16.22	NA
	8/23/2012		**None**	**9.38**	**14.84**	**NA**
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	NA
	8/2/2011		None	7.34	15.56	NA
	2/23/2012		None	7.18	15.72	NA
	8/23/2012		**None**	**7.73**	**15.17**	**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-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
	8/2/2011		None	5.39	31.18	NA
	2/23/2012		None	5.10	31.47	NA
	8/23/2012		**None**	**5.91**	**30.66**	**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
	8/2/2011		None	6.53	33.88	NA
	2/23/2012		None	6.16	34.25	NA
	8/23/2012		**None**	**7.28**	**33.13**	**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
	8/2/2011		None	3.85	30.96	NA
	2/23/2012		None	3.62	31.19	NA
	8/23/2012		**None**	**4.21**	**30.60**	**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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/2/2011	<96	<50	<1.0	<1.0	<1.0	<2.0	<1.0
		2/23/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	1.1
		8/24/2012	<100	<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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/3/2011	<96	<50	<1.0	<1.0	<1.0	<2.0	1.7
		2/24/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	1.5
		8/24/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	**1.1**

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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/2/2011	<100	<50	<1.0	<1.0	<1.0	<2.0	<1.0
		2/23/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	<1.0
		8/23/2012	<97	<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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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	<97	<50	<1.0	<1.0	<1.0	<2.0	<1.0
		8/2/2011	<97	<50	<1.0	<1.0	<1.0	<2.0	<1.0
		2/23/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	<1.0
		8/23/2012	<95	<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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/2/2011	<96	289	<1.0	<1.0	<1.0	<2.0	1.9
		2/23/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	1.4
		8/24/2012	<100	**122**	<1.0	<1.0	<1.0	<2.0	**1.1**

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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/3/2011	5,490	1,340	5.6	<5.0	<5.0	<10	<5.0
		2/23/2012	12,100	1,770	29.8	<5.0	5.3	<10.0	<5.0
		8/24/2012	**4,230**	**2,660**	**39.3**	**6.3**	**8.0**	**10.1**	<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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/2/2011	<97	296	<1.0	<1.0	<1.0	<2.0	1.0
		2/24/2012	121	288	<1.0	<1.0	<1.0	<2.0	<1.0
		8/23/2012	<100	**360**	<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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/3/2011	<98	74.9	<1.0	<1.0	<1.0	<2.0	<1.0
		2/24/2012	<100	106	<1.0	<1.0	<1.0	<2.0	<1.0
		8/23/2012	<96	**59.0**	<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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/2/2011	<190	<50	<1.0	<1.0	<1.0	<2.0	2.6
		2/24/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	1.9
		8/23/2012	<.94	<50	<1.0	<1.0	<1.0	<2.0	2.0

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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/3/2011	998	85.4	<1.0	<1.0	<1.0	<2.0	<1.0
		2/24/2012	6,590	163	<1.0	<1.0	<1.0	<2.0	<1.0
		8/24/2012	**1,330**	**260**	<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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
MW-11		9/20/2001	460	88	<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
		12/14/2002	320	<50	<1.0	<1.0	<1.0	<2.0	<5.0
		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

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)		**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
MW-11 cont'd.	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
	8/3/2011	<96	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	2/23/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	<1.0
	8/23/2012	<100	<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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
MW-12		9/20/2001	540	960	<1.0	<1.0	<2.0	<5.0	11
		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
		12/14/2002	170	670	<1.0	<1.0	<1.0	<2.0	9.4
		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

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)		**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
MW-12 cont'd.	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
	8/3/2011	<96	97.0	<1.0	<1.0	<1.0	<2.0	3.4
	2/24/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	8.4
	8/24/2012	<100	**72.4**	<1.0	<1.0	<1.0	<2.0	**3.5**

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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
MW-13		9/21/2001	<250	<50	<1.0	<1.0	<1.0	<2.0	7.4
		2/27/2002	1,100	450	<1.0	<5.0	<1.0	<2.0	9.9
		12/14/2002	160	<50	<1.0	<1.0	<1.0	<2.0	11
	*	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						
		2/23/2012	Not sampled - product sheen in well						
		8/23/2012	Not sampled - product sheen 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)		**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
	8/3/2011	<98	<50	<1.0	<1.0	<1.0	<2.0	7.3
	2/23/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	8.6
	8/24/2012	<96	<50	<1.0	<1.0	<1.0	<2.0	**6.9**
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
	8/2/2011	<94	<50	<1.0	<1.0	<1.0	<2.0	5.9
	2/23/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	8.1
	8/24/2012	<94	<50	<1.0	<1.0	<1.0	<2.0	**1.8**

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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
		8/2/2011	<94	53.0	<1.0	<1.0	<1.0	<2.0	5.9
		2/23/2012	<100	<50	<1.0	<1.0	<1.0	<2.0	4.2
		8/24/2012	<95	<50	<1.0	<1.0	<1.0	<2.0	**4.3**
W-1		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
		5/16/2002	520	150	<1.0	<1.0	<1.0	<2.0	8.7
		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

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)		**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
	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
	8/3/2011	465	3,240	<5.0	<5.0	<5.0	<10	<5.0
	2/24/2012	985	4,830	9.0	<5.0	6.2	14.8	<5.0
	8/24/2012	**373**	**3,480**	<10	<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)			**100**	**100**	**1.0**	**40**	**30**	**20**	**5**
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
	*	5/25/2008	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0
W-4		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
8/2/2011	9.00	9.27	0.27	8
9/22/2011	8.96	9.14	0.18	8
10/26/2011	9.08	9.24	0.16	7
11/23/2011	9.06	9.15	0.09	7
12/29/2011	*	9.13	*	6
1/30/2012	*	9.18	*	6
2/23/2012	9.18	9.22	0.04	6
3/26/2012	9.21	9.31	0.10	6
4/30/2012	9.23	9.35	0.12	7
5/30/2012	9.20	9.29	0.09	6
6/25/2012	9.29	9.37	0.08	6
7/30/2012	9.35	9.46	0.11	7
8/24/2012	9.36	9.42	0.06	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:___3Q2012____ SAMPLER:__DB, MJ_____

NO.	WELL OR LOCATION	DATE	TIME	MEASUREMENT	CODE	COMMENTS
1	MW-1	8/23/2012	950	4.47	SWL	
2	MW-2	8/23/2012	952	4.22	SWL	
3	MW-3	8/23/2012	947	5.77	SWL	
4	MW-4	8/23/2012	945	5.84	SWL	
5	MW-5	8/23/2012	955	4.04	SWL	
6	MW-6	8/23/2012	1005	3.70	SWL	
7	MW-7	8/23/2012	1014	5.51	SWL	
8	MW-8	8/23/2012	1012	4.68	SWL	
9	MW-9	8/23/2012	1010	3.39	SWL	
10	MW-10	8/23/2012	1008	10.01	SWL	
11	MW-11	8/23/2012	1017	3.63	SWL	
12	MW-12	8/23/2012	1013	10.66	SWL	
13	MW-13	8/23/2012	1000	9.42	OIL	
14	MW-13	8/23/2012	1000	9.48	SWL	
15	MW-14	8/23/2012	950	9.54	SWL	
16	MW-15	8/23/2012	955	9.38	SWL	
17	MW-16	8/23/2012	944	7.73	SWL	
18	W-1	8/23/2012	1005	5.91	SWL	
19	W-3	8/23/2012	940	7.28	SWL	
20	W-4	8/23/2012	1000	4.21	SWL	

CODES:

SWL - Static Water Level

OIL - Oil Level

OWI - Oil/Water Interface

MTD - Measured Total Depth

CAMERON-COLE

SAMPLING EVENT DATA SHEET

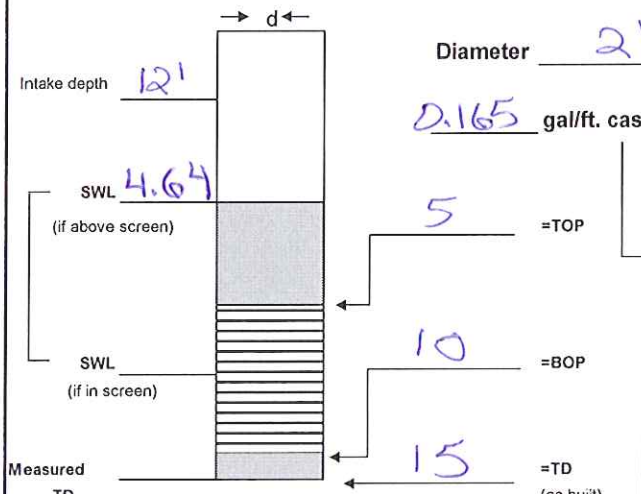
WELL OR LOCATION MW-1

PROJECT AC Transit - Emeryville **EVENT** 3Q2012 **SAMPLER** MJ **DATE** 8/24/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.165 gal/ft. casing



ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	10:05	1.1	4.64
		↓	
		↓	
Stop	10:10		7.86
Sampled	10:15		
Final IWL			

PURGE CALCULATION

0.165 gal/ft. * 10.36 ft. (SWL to TD) = 1.70 gals. (one volume) X 3 = 5.12 gals. (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 5.5

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

Sample I.D.	Analysis	Lab
MW-1	BTEX, MTBE,TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 1	22.8	607	6.80	34.29		
2. 3	22.5	592	6.76	8.93		
3. 5	22.1	576	6.75	7.17		
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 returing later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

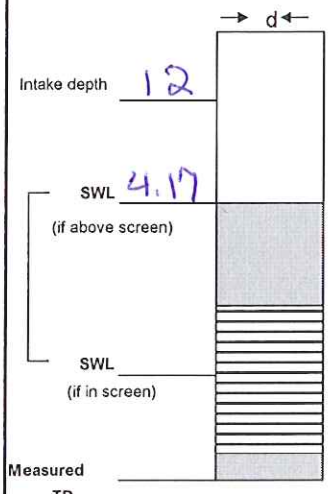
WELL OR LOCATION MW-2

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER MJ DATE 8/24/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.165 gal/ft. casing



0 =TOP

15 =BOP

15 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	9:40	1.1	4.17
		↓	
Stop	9:55		7.02
Sampled	9:50		
Final IWL			

PURGE CALCULATION

0.165 gal/ft. * 10.83 ft. (SWL to TD) = 1.78 gals. (one volume) X 3 = 5.36 gals. (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 5.5

Actual volumes purged 3+

Well Yield ⊕ 1+4

COC #

Additional Comments:

Sample I.D.	Analysis	Lab
MW-2	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. 2	20.5	480	7.50	11.86		
2. 4	20.4	476	7.48	7.54		
3. 5.5	20.4	474	7.47	7.42		
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 returing later or next day.

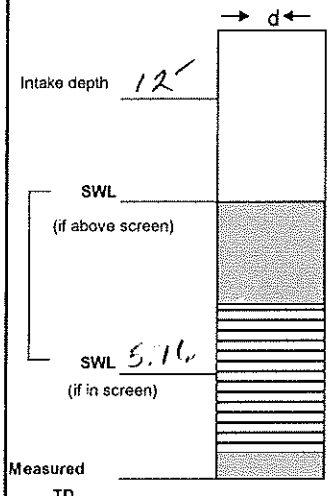
VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION mw-3

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER DB DATE 5/23/12



Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing

5 =TOP

10 =BOP

15 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	1315	1.0	5.76
Stop	1320	↓	
Sampled	1325		6.34
Final IWL			

PURGE CALCULATION

0.163 gal/ft. * 9.24 ft. (SWL to TD) = 1.51 gals. (one volume) X 3 = 4.52 gals. (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 5

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

Sample I.D.	Analysis	Lab
mw-3	BTEX, MTBE,TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 1	23.9	669	6.42	22.23		
2. 2	22.9	632	6.43	12.27		
3. 4	22.9	641	6.49	10.35		
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 returing later or next day.

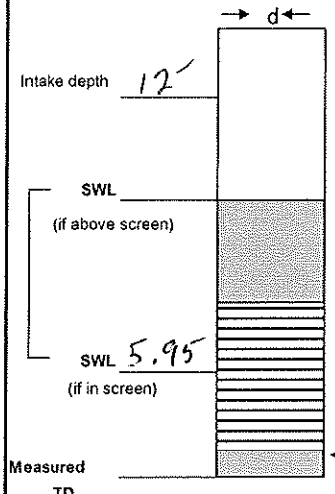
VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-4

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER DB DATE 8/23/12



Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing

5 =TOP

15 =BOP

15 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	1347	1.0	5.95
Stop	1352	↓	
Sampled	1355		6.53
Final lWL			

PURGE CALCULATION

0.163 gal/ft. * 9.05 ft. = 1.48 gals. X 3 = 4.43 gals.
(SWL to TD) (one volume) (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 5

Actual volumes purged 3+

Well Yield ⊕ H

COC #

Sample I.D.	Analysis	Lab
MW-4	BTEX, MTBE,TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 1	24.6	633	6.33	1273		
2. 2	23.2	632	6.41	8.67		
3. 4	23.2	633	6.46	4.86		
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 returing later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

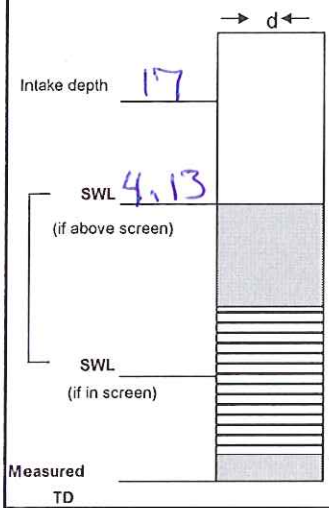
SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-5

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER MJ DATE 8/24/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"



0.165 gal/ft. casing

10 =TOP

20 =BOP

20 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	10:30	1.41	4.13
Stop	10:36		8.42
Sampled	10:40		
Final IWL			

PURGE CALCULATION

0.165 gal/ft. * 15.87 ft. = 2.61 gals. X 3 = 7.85 gals.
(SWL to TD; one volume; purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 8.5

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

Sample I.D.	Analysis	Lab
MW-5	BTEX, MTBE, TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 3	22.1	500	7.40	18.28		
2. 6	21.8	516	7.32	25.73		
3. 8	21.7	538	7.10	98.90		
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 returing later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

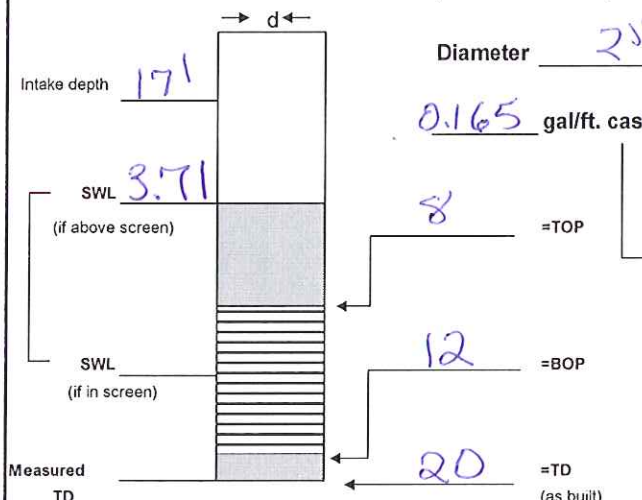
WELL OR LOCATION MW-6

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER MJ DATE 8/24/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.165 gal/ft. casing



ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	10:55	1.17	3.71
		↓	
		↓	
Stop	11:05		
Sampled	11:10		
Final lWL			

PURGE CALCULATION

0.165 gal/ft. * 16.29 ft. = 2.68 gals. X 3 = 8.06 gals.
(SWL to TD; one volume; purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 8.5

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

Sample I.D.	Analysis	Lab
MW-6	BTEX, MTBE, TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 2	21.2	800	6.72	5.60		
2. 5	20.8	792	6.70	4.38		
3. 8	20.7	793	6.68	3.42		
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 returing later or next day.

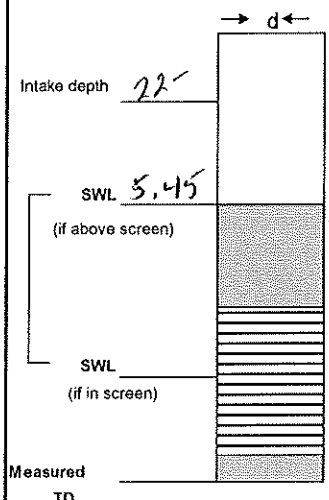
VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION mw-7

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER OB DATE 8/23/12



Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing

18 =TOP

25 =BOP

25 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	1201	1.11	5.45
Stop	1210		
Sampled	1215		18.20
Final IWL			

PURGE CALCULATION

0.163 gal/ft. * 19.55' ft. = 3.19 gals. X 3 = 9.56 gals.
SWL to TD | one volume | purge volume - 3 casings

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 10

Actual volumes purged 3+

Well Yield ⊕ H

Additional Comments:

COC #

Sample I.D.	Analysis	Lab
mw-7	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. 2	21.2	841	6.38	4.65		
2. 5	21.2	847	6.35	3.30		
3. 8	20.5	864	6.33	6.67		
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 returing later or next day. VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

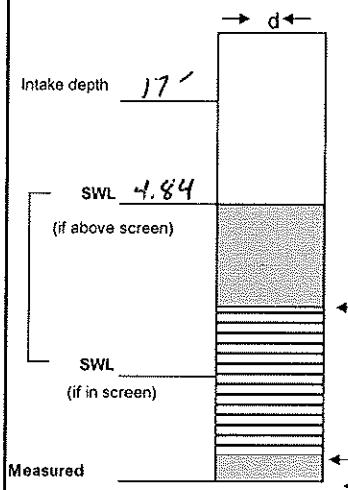
WELL OR LOCATION MW-8

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER DB DATE 8/23/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing



10 =TOP

20 =BOP

20 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	1130	1.1	4.84
Stop	1137		
Sampled	1140		5.31
Final IWL			

PURGE CALCULATION

0.163 gal/ft. * 15.16 ft. (SWL to TD) = 2.47 gals. (one volume) X 3 = 7.41 gals. (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 8

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

Sample I.D.	Analysis	Lab
MW-8	BTEX, MTBE,TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 2	22.4	841	6.62	9.67		
2. 4	20.9	852	6.59	18.90		
3. 7	21.1	856	6.58	8.73		
4.						
5.						

*Take measurement at ⊕ approximately each casing volume purged.

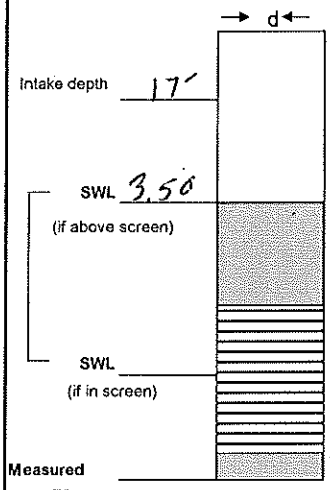
HY-Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-9

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER DB DATE 8/23/12



Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing

10 =TOP

20 =BOP

20 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	1051	1.13	3.50
Stop	1059	↓	
Sampled	1160		5.74
Final IWL			

PURGE CALCULATION

0.163 gal/ft. * 16.50 ft. = 2.69 gals. X 3 = 8.07 gals.
(SWL to TD) (one volume) (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 9

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

Sample I.D.	Analysis	Lab
MW-9	BTEX, MTBE, TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓
TB-01	BTEX, MTBE, TPHg	AT

Additional Comments:

Trip Blank TB-01 collected @ TB-01

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 2	22.2	814	6.61	16.65		
2. 4	22.2	806	6.58	8.19		
3. 7	21.8	849	6.60	2.74		
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 returing later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

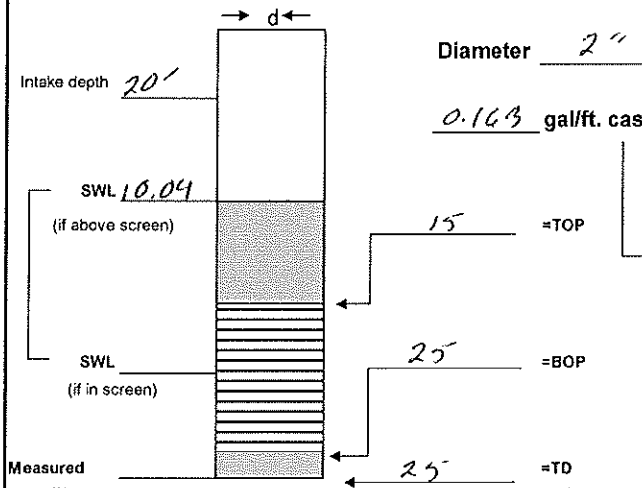
WELL OR LOCATION mw-16

PROJECT AC Transit - Emeryville **EVENT** 3Q2012 **SAMPLER** DB **DATE** 8/24/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing



ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	1044	1.14	10.04
Stop	1051		
Sampled	1055		10.24
Final IWL			

PURGE CALCULATION

0.163 gal/ft. * 14.96 ft. (SWL to TD) = 2.44 gals. (one volume) X 3 = 7.32 gals. (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 8

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

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

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 2	19.2	661	6.83	12.09		
2. 4	19.2	639	6.82	4.71		
3. 7	19.0	652	6.77	3.10		
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 returing later or next day. VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-11

PROJECT AC Transit - Emeryville **EVENT** 3Q2012 **SAMPLER** OB **DATE** 8/23/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

Intake depth 13'

0.163 **gal/ft. casing**

SWL 3.64
(if above screen)

6 =TOP

SWL
(if in screen)

16 =BOP

Measured TD

16 =TD
(as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	1241	1.17	3.64
Stop	1247		
Sampled	1250		3.45
Final IWL			

PURGE CALCULATION

0.163 gal/ft. * 12.36 ft. (SWL to TD) = 2.01 gals. (one volume) X 3 = 6.04 gals. (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 7

Actual volumes purged 3

Well Yield ⊕ H

COC #

Sample I.D.	Analysis	Lab
MW-11	BTEX, MTBE,TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 1	24.3	631	6.97	1.16		
2. 3	24.2	619	6.96	0.77		
3. 5	24.2	613	6.94	0.01		
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 returing later or next day.

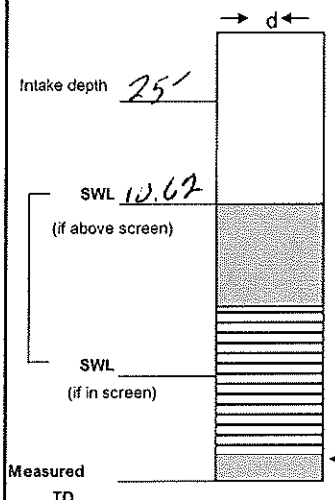
VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-12

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER OB DATE 8/24/12



Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing

15 =TOP

30 =BOP

36 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	1128	1.25	
Stop	1130		
Sampled	1135		
Final IWL			

PURGE CALCULATION

0.163 gal/ft. * 19.38 ft. = 3.16 gals. X 3 = 9.48 gals.
(SWL to TD) (one volume) (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 10

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

Sample I.D.	Analysis	Lab
MW-12	BTEX, MTBE, TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 2	19.6	562	6.59	5.69		
2. 5	19.7	569	6.52	8.33		
3. 9	19.4	587	6.47	7.44		
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 returing later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

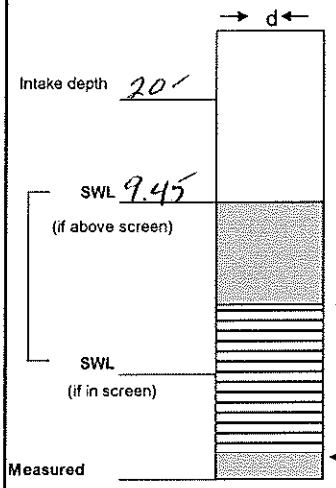
WELL OR LOCATION MW-14

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER DB DATE 8/24/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing



13 =TOP

23 =BOP

23 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	10:09	1.0	9.45
Stop	1016		
Sampled	1020		10.86
Final IWL			

PURGE CALCULATION

0.163 gal/ft. * 13.55 ft. = 2.21 gals. X 3 = 6.63 gals.
(SWL to TD) (one volume) (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 7

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

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

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 2	19.3	745	6.54	4.81		
2. 4	19.4	750	6.49	3.72		
3. 6	19.2	751	6.46	5.29		
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 returing later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

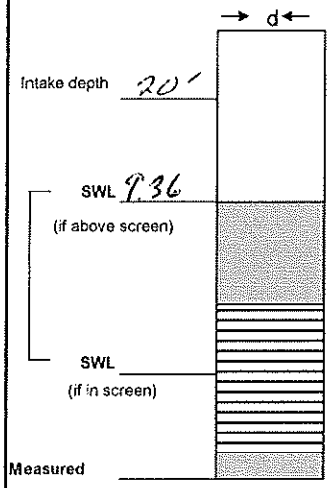
WELL OR LOCATION MW-15

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER DB DATE 8/24/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing



ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	0857	1.14	9.36
Stop	0904		
Sampled	0905		9.56
Final IWL			

PURGE CALCULATION

0.163 gal/ft. * 15.64 ft. = 2.55 gals. X 3 = 7.65 gals.
(SWL to TD) (one volume) (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 8

Actual volumes purged 3+

Well Yield ⊕ HY

COC #

Sample I.D.	Analysis	Lab
MW-15	BTEX, MTBE,TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 2	19.0	580	6.60	24.53		
2. 4	19.2	790	6.52	13.82		
3. 7	19.1	814	6.56	10.19		
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 returing later or next day. VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

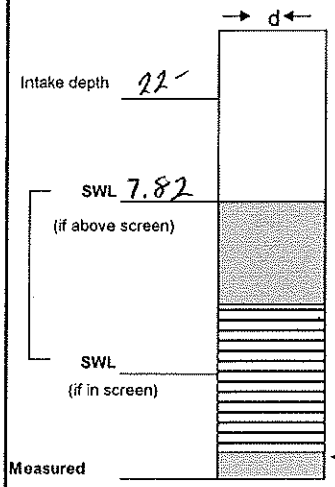
WELL OR LOCATION mw-16

PROJECT AC Transit - Emeryville | EVENT 3Q2012 | SAMPLER OB | DATE 8/21/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.163 gal/ft. casing



19 =TOP

24 =BOP

24 =TD (as built)

ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	0932	1.14	7.82
Stop	0939		
Sampled	0940		9.06
Final lWL			

PURGE CALCULATION

0.163 gal/ft. * 16.18 ft. (SWL to TD) = 2.64 gals. (one volume) X 3 = 7.91 gals. (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 8

Actual volumes purged 3+

Well Yield ⊕ 1/4

COC #

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

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 2	18.7	558	6.69	8.83		
2. 4	19.2	863	6.67	5.66		
3. 7	19.7	869	6.66	5.17		
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 returing later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE

SAMPLING EVENT DATA SHEET

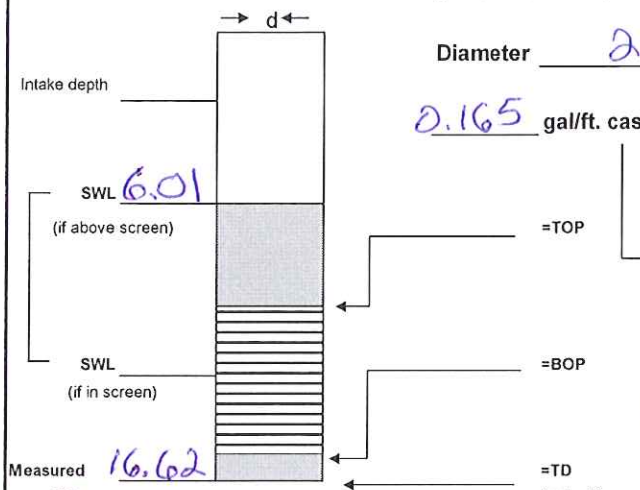
WELL OR LOCATION W-1

PROJECT AC Transit - Emeryville EVENT 3Q2012 SAMPLER MJ DATE 8/24/12

Well type MW
(MW, EW, PZ, etc.)

Diameter 2"

0.165 gal/ft. casing



ACTION	TIME	PUMP RATE (gpm)	DTW
Start Pump / Begin	11:25	1.80	6.01
Stop	11:30		
Sampled	11:40		
Final lWL			

PURGE CALCULATION

0.165 gal/ft. * 17.22 ft. (SWL to TD) = 2.84 gals. (one volume) X 3 = 8.52 gals. (purge volume - 3 casings)

2" = 0.163 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Decription of Event:

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

Actual gallons purged 9

Actual volumes purged 3+

Well Yield ⊕ HY

COC # _____

Sample I.D.	Analysis	Lab
W-1	BTEX, MTBE,TPH-g by 8260B	AT
↓	TPH-diesel/motor oil by 8015 Mod with Silica Gel	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other	
1. 3	21.1	638	7.01	15.58		
2. 6	20.8	640	6.85	13.72		
3. 8	20.7	643	6.84	13.26		
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 returing later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.

Northern California ACCUTEST LABORATORIES

09/05/12

Technical Report for

Cameron-Cole

T0600118672-AC Transit, Emeryville, CA

2036-001

Accutest Job Number: C23358

Sampling Dates: 08/23/12 - 08/24/12

Report to:

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

Total number of pages in report: **69**

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.

Kesavalu M. Bagawandoss, Ph.D., J.D., Lab Director

Client Service contact: Nutan Kabir 408-588-0200

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

Sections: 1 2 3 4 5 6 7

Table of Contents

Accutest Laboratories

Sample Summary

Cameron-Cole

Job No: C23358

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C23358-1	08/23/12	10:30	DBMJ	08/24/12	AQ	Trip Blank Water	TB-01
C23358-2	08/23/12	11:00	DBMJ	08/24/12	AQ	Ground Water	MW-9
C23358-3	08/23/12	11:40	DBMJ	08/24/12	AQ	Ground Water	MW-8
C23358-4	08/23/12	12:15	DBMJ	08/24/12	AQ	Ground Water	MW-7
C23358-5	08/23/12	12:50	DBMJ	08/24/12	AQ	Ground Water	MW-11
C23358-6	08/23/12	13:25	DBMJ	08/24/12	AQ	Ground Water	MW-3
C23358-7	08/23/12	13:55	DBMJ	08/24/12	AQ	Ground Water	MW-4
C23358-8	08/24/12	09:05	DBMJ	08/24/12	AQ	Ground Water	MW-15
C23358-9	08/24/12	09:40	DBMJ	08/24/12	AQ	Ground Water	MW-16
C23358-10	08/24/12	10:20	DBMJ	08/24/12	AQ	Ground Water	MW-14
C23358-11	08/24/12	09:50	DBMJ	08/24/12	AQ	Ground Water	MW-2
C23358-12	08/24/12	10:15	DBMJ	08/24/12	AQ	Ground Water	MW-1
C23358-13	08/24/12	10:40	DBMJ	08/24/12	AQ	Ground Water	MW-5

Sample Summary
(continued)

Cameron-Cole

Job No: C23358

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
C23358-14	08/24/12	11:10	DBMJ	08/24/12	AQ	Ground Water	MW-6
C23358-15	08/24/12	11:40	DBMJ	08/24/12	AQ	Ground Water	W-1
C23358-16	08/24/12	10:55	DBMJ	08/24/12	AQ	Ground Water	MW-10
C23358-17	08/24/12	11:35	DBMJ	08/24/12	AQ	Ground Water	MW-12

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Cameron-Cole **Job No:** C23358

Site: T0600118672-AC Transit, Emeryville, CA **Report Date** 9/5/2012 1:22:04 AM

16 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected between 08/23/2012 and 08/24/2012 and were received at Accutest on 08/24/2012 properly preserved, at 5.4 Deg. C and intact. These Samples received an Accutest job number of C23358. 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:** VR407

- Sample(s) C23330-1MS, C23330-1MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VU232

- Sample(s) C23366-2MS, C23366-2MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VW1149

- Sample(s) C23358-2MS, C23358-2MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VW1150

- Sample(s) C23350-1MS, C23350-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8015B M

Matrix: AQ **Batch ID:** OP6517

- Sample(s) C23344-2MS, C23344-2MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** OP6534

- Sample(s) C23358-17MS, C23358-17MSD 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 QualityObjectives 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

Summary of Hits

Job Number: C23358
Account: Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA
Collected: 08/23/12 thru 08/24/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C23358-1	**TB-01**					
No hits reported in this sample.						
C23358-2	**MW-9**					
Methyl Tert Butyl Ether		2.0	1.0		ug/l	SW846 8260B
TPH (Motor Oil)		1.17	0.19		mg/l	SW846 8015B M
C23358-3	**MW-8**					
TPH-GRO (C6-C10) [a]		59.0	50		ug/l	SW846 8260B
C23358-4	**MW-7**					
TPH-GRO (C6-C10)		360	50		ug/l	SW846 8260B
TPH (Motor Oil)		0.249	0.20		mg/l	SW846 8015B M
C23358-5	**MW-11**					
TPH (Motor Oil)		0.247	0.20		mg/l	SW846 8015B M
C23358-6	**MW-3**					
TPH (Motor Oil)		0.347	0.19		mg/l	SW846 8015B M
C23358-7	**MW-4**					
No hits reported in this sample.						
C23358-8	**MW-15**					
Methyl Tert Butyl Ether		1.8	1.0		ug/l	SW846 8260B
TPH (Motor Oil)		0.426	0.19		mg/l	SW846 8015B M
C23358-9	**MW-16**					
Methyl Tert Butyl Ether		4.3	1.0		ug/l	SW846 8260B
C23358-10	**MW-14**					
Methyl Tert Butyl Ether		6.9	1.0		ug/l	SW846 8260B

Summary of Hits

Job Number: C23358
Account: Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA
Collected: 08/23/12 thru 08/24/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C23358-11	**MW-2**					
Methyl Tert Butyl Ether		1.1	1.0		ug/l	SW846 8260B
C23358-12	**MW-1**					
No hits reported in this sample.						
C23358-13	**MW-5**					
Methyl Tert Butyl Ether		1.1	1.0		ug/l	SW846 8260B
TPH-GRO (C6-C10)		122	50		ug/l	SW846 8260B
C23358-14	**MW-6**					
Benzene		39.3	5.0		ug/l	SW846 8260B
Toluene		6.3	5.0		ug/l	SW846 8260B
Ethylbenzene		8.0	5.0		ug/l	SW846 8260B
Xylene (total)		10.1	10		ug/l	SW846 8260B
TPH-GRO (C6-C10)		2660	250		ug/l	SW846 8260B
TPH (Diesel) [b]		4.23	0.30		mg/l	SW846 8015B M
C23358-15	**W-1**					
TPH-GRO (C6-C10)		3480	500		ug/l	SW846 8260B
TPH (Diesel) [c]		0.373	0.10		mg/l	SW846 8015B M
TPH (Motor Oil)		0.210	0.20		mg/l	SW846 8015B M
C23358-16	**MW-10**					
TPH-GRO (C6-C10)		260	50		ug/l	SW846 8260B
TPH (Diesel)		1.33	0.094		mg/l	SW846 8015B M
C23358-17	**MW-12**					
Methyl Tert Butyl Ether		3.5	1.0		ug/l	SW846 8260B
TPH-GRO (C6-C10)		72.4	50		ug/l	SW846 8260B

(a) Atypical pattern; heavier hydrocarbons contributing to quantitation.
(b) Diesel mixed with higher boiling gasoline compounds.
(c) Higher boiling gasoline compounds in Diesel range.

Northern California ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TB-01		
Lab Sample ID:	C23358-1	**Date Sampled:**	08/23/12
Matrix:	AQ - Trip Blank Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32915.D	1	08/27/12	KN	n/a	n/a	VW1149
Run #2							

	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	95%		60-130%
2037-26-5	Toluene-D8	111%		60-130%
460-00-4	4-Bromofluorobenzene	95%		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-9		
Lab Sample ID:	C23358-2	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32916.D	1	08/27/12	KN	n/a	n/a	VW1149
Run #2							

	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	2.0	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	97%		60-130%
2037-26-5	Toluene-D8	100%		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-9		
Lab Sample ID:	C23358-2	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025223.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	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)	1.17	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	92%		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-8		
Lab Sample ID:	C23358-3	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32917.D	1	08/27/12	KN	n/a	n/a	VW1149
Run #2							

	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) [a]	59.0	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	100%		60-130%
460-00-4	4-Bromofluorobenzene	106%		60-130%

(a) Atypical pattern; heavier hydrocarbons contributing to quantitation.

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-8		
Lab Sample ID:	C23358-3	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025235.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.096	mg/l	
	TPH (Motor Oil)	ND	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	90%		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-7		
Lab Sample ID:	C23358-4	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32918.D	1	08/27/12	KN	n/a	n/a	VW1149
Run #2							

	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)	360	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		60-130%
2037-26-5	Toluene-D8	102%		60-130%
460-00-4	4-Bromofluorobenzene	110%		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-7		
Lab Sample ID:	C23358-4	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025237.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.10	mg/l	
	TPH (Motor Oil)	0.249	0.20	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	88%		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-11
Lab Sample ID: C23358-5
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: T0600118672-AC Transit, Emeryville, CA

Date Sampled: 08/23/12
Date Received: 08/24/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32919.D	1	08/27/12	KN	n/a	n/a	VW1149
Run #2							

	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	96%		60-130%
2037-26-5	Toluene-D8	100%		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-11		
Lab Sample ID:	C23358-5	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025238.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.10	mg/l	
	TPH (Motor Oil)	0.247	0.20	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	92%		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-3		
Lab Sample ID:	C23358-6	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32920.D	1	08/27/12	KN	n/a	n/a	VW1149
Run #2							

	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	96%		60-130%
2037-26-5	Toluene-D8	96%		60-130%
460-00-4	4-Bromofluorobenzene	98%		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-3		
Lab Sample ID:	C23358-6	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025236.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	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)	0.347	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	87%		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-4		
Lab Sample ID:	C23358-7	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32921.D	1	08/27/12	KN	n/a	n/a	VW1149
Run #2							

	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	96%		60-130%
2037-26-5	Toluene-D8	96%		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-4		
Lab Sample ID:	C23358-7	**Date Sampled:**	08/23/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025230.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	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	92%		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-15		
Lab Sample ID:	C23358-8	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32922.D	1	08/27/12	KN	n/a	n/a	VW1149
Run #2							

	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	1.8	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	101%		60-130%
2037-26-5	Toluene-D8	105%		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

Client Sample ID: MW-15
Lab Sample ID: C23358-8
Matrix: AQ - Ground Water
Method: SW846 8015B M SW846 3510C
Project: T0600118672-AC Transit, Emeryville, CA

Date Sampled: 08/24/12
Date Received: 08/24/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025231.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	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)	0.426	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	92%		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		
Lab Sample ID:	C23358-9	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32923.D	1	08/27/12	KN	n/a	n/a	VW1149
Run #2							

	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	4.3	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	100%		60-130%
2037-26-5	Toluene-D8	96%		60-130%
460-00-4	4-Bromofluorobenzene	101%		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		
Lab Sample ID:	C23358-9	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025232.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	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	101%		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		
Lab Sample ID:	C23358-10	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32942.D	1	08/28/12	KN	n/a	n/a	VW1150
Run #2							

	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	6.9	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	100%		60-130%
2037-26-5	Toluene-D8	100%		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

Client Sample ID:	MW-14		
Lab Sample ID:	C23358-10	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025233.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel)	ND	0.096	mg/l	
	TPH (Motor Oil)	ND	0.19	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	94%		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-2		
Lab Sample ID:	C23358-11	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32943.D	1	08/28/12	KN	n/a	n/a	VW1150
Run #2							

	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	1.1	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	99%		60-130%
2037-26-5	Toluene-D8	102%		60-130%
460-00-4	4-Bromofluorobenzene	102%		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-2		
Lab Sample ID:	C23358-11	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025227.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

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	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	90%		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-1		
Lab Sample ID:	C23358-12	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R11401.D	1	08/27/12	BD	n/a	n/a	VR407
Run #2							

	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	96%		60-130%
2037-26-5	Toluene-D8	100%		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

Client Sample ID:	MW-1		
Lab Sample ID:	C23358-12	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025234.D	1	08/27/12	JH	08/24/12	OP6517	GHH797
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

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	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	99%		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-5
Lab Sample ID: C23358-13
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: T0600118672-AC Transit, Emeryville, CA

Date Sampled: 08/24/12
Date Received: 08/24/12
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R11402.D	1	08/27/12	BD	n/a	n/a	VR407
Run #2							

	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	1.1	1.0	ug/l	
	TPH-GRO (C6-C10)	122	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		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

Client Sample ID:	MW-5		
Lab Sample ID:	C23358-13	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025282.D	1	08/28/12	JH	08/28/12	OP6534	GHH798
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

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	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	59%		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-6		
Lab Sample ID:	C23358-14	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R11410.D	5	08/27/12	BD	n/a	n/a	VR407
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	39.3	5.0	ug/l	
108-88-3	Toluene	6.3	5.0	ug/l	
100-41-4	Ethylbenzene	8.0	5.0	ug/l	
1330-20-7	Xylene (total)	10.1	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	ug/l	
	TPH-GRO (C6-C10)	2660	250	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		60-130%
2037-26-5	Toluene-D8	95%		60-130%
460-00-4	4-Bromofluorobenzene	106%		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-6		
Lab Sample ID:	C23358-14	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025299.D	3	08/28/12	JH	08/28/12	OP6534	GHH798
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel) [a]	4.23	0.30	mg/l	
	TPH (Motor Oil)	ND	0.60	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	97%		45-140%

(a) Diesel mixed with higher boiling gasoline compounds.

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:	W-1		
Lab Sample ID:	C23358-15	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R11411.D	10	08/27/12	BD	n/a	n/a	VR407
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	10	ug/l	
108-88-3	Toluene	ND	10	ug/l	
100-41-4	Ethylbenzene	ND	10	ug/l	
1330-20-7	Xylene (total)	ND	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	ug/l	
	TPH-GRO (C6-C10)	3480	500	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		60-130%
2037-26-5	Toluene-D8	99%		60-130%
460-00-4	4-Bromofluorobenzene	102%		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:	W-1		
Lab Sample ID:	C23358-15	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025284.D	1	08/28/12	JH	08/28/12	OP6534	GHH798
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	Units	Q
	TPH (Diesel) [a]	0.373	0.10	mg/l	
	TPH (Motor Oil)	0.210	0.20	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	51%		45-140%

(a) Higher boiling gasoline compounds in Diesel range.

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-10		
Lab Sample ID:	C23358-16	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R11403.D	1	08/27/12	BD	n/a	n/a	VR407
Run #2							

	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)	260	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		60-130%
2037-26-5	Toluene-D8	98%		60-130%
460-00-4	4-Bromofluorobenzene	105%		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-10		
Lab Sample ID:	C23358-16	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025285.D	1	08/28/12	JH	08/28/12	OP6534	GHH798
Run #2							

	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)	1.33	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	61%		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		
Lab Sample ID:	C23358-17	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U6067.D	1	08/28/12	YP	n/a	n/a	VU232
Run #2							

	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	3.5	1.0	ug/l	
	TPH-GRO (C6-C10)	72.4	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		60-130%
2037-26-5	Toluene-D8	100%		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-12		
Lab Sample ID:	C23358-17	**Date Sampled:**	08/24/12
Matrix:	AQ - Ground Water	**Date Received:**	08/24/12
Method:	SW846 8015B M SW846 3510C	**Percent Solids:**	n/a
Project:	T0600118672-AC Transit, Emeryville, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH025286.D	1	08/28/12	JH	08/28/12	OP6534	GHH798
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

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	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	77%		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

Northern California ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

1 of 2

ACCUTEST LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

CCCAA1635

FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest NC Job #: C C23358

Client / Reporting Information

Company Name: CAMERON-COLE, LLC
Address: 50 HEGENBERGER LOOP
City State Zip: OAKLAND, CA 94621
Project Contact: DENNIS BAKER
Phone #: 510-872-2156
Samplers's Name: DENNIS BAKER

Project Information

Project Name: AC-TRANSIT-EMERYVILLE
Street: 1177 47th Street
City State: Emeryville, California
Project #: 2036-001/CCCAA1635
EMAIL: dbaker@cameron-cole.com
Client Purchase Order #

Requested Analysis

BTEX, MTBE, TPH-gasoline by 8260B
TPH-diesel/motor oil by 8260B by 8015M with Silica Gel Cleanup

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection: Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl (VOA)	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	BTEX, MTBE, TPH-gasoline by 8260B	TPH-diesel/motor oil by 8260B by 8015M with Silica Gel Cleanup	LAB USE ONLY
1	TB-01	8/23/12	1030	DB	W	3	3								X		
2	MW-9		1100		GW	5	3				2				X	X	
3	MW-8		1140														
4	MW-7		1215														
5	MW-11		1250														
6	MW-3		1325														
7	MW-4		1355														
8	MW-15	8/24/12	0905														
9	MW-16		0940														
10	MW-14		1020														

Turnaround Time (Business days)

Approved By:/ Date:

- [X] 10 Day
- [ ] 5 Day
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day *(200% markup)*
- [ ] Same Day (300% markup)

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [X] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [X] EDF for Geotracker [X] EDD Format
- Provide EDF Global ID #0600118672
- Provide EDF Logcode:

Comments / Remarks

temps
6.4 - 1.0 = 5.4°C, 4.1 - 1.0 = 3.1°C
4.0 - 1.0 = 3.0°C, 3.9 - 1.0 = 2.9°C

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Dennis C. Baker	8/24/12/1355			8/24/12 1458	
2						
3						
4						
5						

Custody Seal #

Appropriate Bottle / Pres. Y / N | Headspace Y / N | On Ice (Y) N | Cooler Temp. 5.4 °C

Labels match Coc? Y / N | Separate Receiving Check List used: Y / N

C23358: Chain of Custody
Page 1 of 3

CHAIN OF CUSTODY

ACCUTEST LABORATORIES
2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

2 OF 2

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest NC Job #: C C23358

Client / Reporting Information

Company Name: CAMERON-COLE, LLC
Address: 50 HEGENBERGER LOOP
City / State / Zip: OAKLAND, CA 94621
Project Contact: DENNIS BAKER
Phone #: 510-872-2156
Samplers's Name: MIKE JACKSON & Dennis Baker

Project Information

Project Name: AC TRANSIT - EMERYVILLE
Street: 1177 47th Street
City / State: Emeryville, California
Project #: 2036-001/CCCAA1635
EMAIL: dbaker@cameron-cole.com
Client Purchase Order #

Requested Analysis

- BTEX, MTBE, TPH-gasoline by 8260B
- TPH-d/mo by 8015M with Silica Gel Cleanup

Matrix Codes

WW- Wastewater
GW- Ground Water
SW- Surface Water
SO- Soil
OI-Oil
WP-Wipe
LIQ - Non-aqueous Liquid
AIR
DW- Drinking Water (Perchlorate Only)

Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection: Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE	BTEX, MTBE, TPH-gasoline by 8260B	TPH-d/mo by 8015M with Silica Gel Cleanup
11	MW-2	8/24/12	9:50	MJ	GW	5	3				2				X	X
12	MW-1		10:15												X	X
13	MW-5		10:40												X	X
14	MW-6		11:10												X	X
15	W-1		11:40												X	X
16	MW-10		10:55												X	X
17	MW-12		11:35												X	X

Turnaround Time (Business days)

- [X] Standard TAT 15 Business Days
- [ ] 10 Day (Workload dependent)
- [ ] 5 Day (Workload dependent)
- [ ] 3 Day (125% markup)
- [ ] 2 Day (150% markup)
- [ ] 1 Day (200% markup)
- [ ] Same Day (300% markup)

Approved By:/ Date:

Emergency T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" - Results only
- [X] Commercial "B" - Results with QC summaries
- [ ] Commerical "B+" - Results, QC, and chromatograms
- [ ] FULT1 - Level 4 data package
- [X] EDF for Geotracker [X] EDD Format
- Provide EDF Global ID: T0600118672
- Provide EDF Logcode:

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		8/24/12/1957	1	2	8/24/12 1458	2
3	Relinquished by:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	Appropriate Bottle / Pres. Y / N; Headspace Y / N; On Ice Y / N; Cooler Temp.	

Labels match Coc? Y / N; Separate Receiving Check List used: Y / N; ____ oC

C23358: Chain of Custody
Page 2 of 3

Accutest Laboratories Northern California Sample Receiving Check List Job#: C 23358 Initial: LS

Review Chain of Custody — Chain of Custody is to be complete and legible.

- ☑ Are these regulatory (NPDES) samples? CWA — Yes / No
- ☑ Is pH requested? — Yes / No
  - ☐ Was Client informed that hold time is 15 min? Yes / No — Continue Yes / No
  - ☐ Was ortho-Phosphate filtered with in 15 min? Yes / No — Continue Yes / No
- ☑ Are sample within hold time? — Yes / No
  - Are sample in danger of exceeding hold-time — Yes / No
- ☑ Existing Client? Yes / No — Existing Project? Yes / No
  - If No: Is Report to info complete and legible, including;
    - ☐ deliverable ☐ Name ☐ Address ☐ phone ☐ e-mail
    - Is Bill to info complete and legible, including;
    - ☐ PO# ☐ Credit card ☐ Contact ☐address ☐ phone ☐ e-mail
    - Is Contact and/or Project Manager identified, including;
    - ☐ phone ☐ e-mail
    - ☐ Project name / number
- ☑ Special requirements? — Yes / No
- ☑ Sample IDs / date & time of collection provided? — Yes / No
- ☑ Is Matrix listed and correct? — Yes / No
- ☑ Analyses listed, we do, or client has authorized a subcontract? — Yes / No
- ☑ Chain is signed and dated by both client and sample custodian? — Yes / No
- ☑ TAT requested available? Yes / No — Approved by PM

Review Coolers:

- ☑ Were all Coolers temperatures measured at ≤6°C? — Yes / No
  - If cooler is outside the ≤6°C; note down the affected bottles in that cooler on the left
- ☑ Are samples on Ice? — Yes / No

Note that ANC does NOT accept evidentiary samples. (We do not lock refrigerators)

- ☑ Shipment Received Method Ron
- ☑ Custody Seals: Present: Yes / No — If Yes; Unbroken: Yes / No

Review of Sample Bottles: If you answer no, explain to the side

- ☑ Chain matches bottle labels? Yes / No — ☑ Sample bottle intact? Yes / No
- ☑ Is there enough sample volume in proper bottle for requested analyses? Yes / No
- ☑ Proper Preservatives? Yes / No
  - Check pH on preserved samples except 1664, 625, 8270 and VOAs; make notes on left.
- ☐ Headspace-VOAs? **Greater than 6mm in diameter** — Yes / No
  - **List sample ID and affected container**

Client Sample ID	pH Check	Other Comments/Issues
-1		3 vials (w/HCl)
-2 → -17		3 vials (w/HCl) 2 liter AG N/P

Non-Compliance issues and discrepancies on the COC are forwarded to Project Management

\\Accunca.accutest.com\depts\qa\sops\sop_completelist_2010\current_active_sop_oct_2010\sc001f1_0_form1_samplecontrol_samplereceivingchecklist_2009-01-01.doc

C23358: Chain of Custody
Page 3 of 3

Northern California ACCUTEST LABORATORIES

GC/MS 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: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1149-MB	W32910.D	1	08/27/12	KN	n/a	n/a	VW1149

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-1, C23358-2, C23358-3, C23358-4, C23358-5, C23358-6, C23358-7, C23358-8, C23358-9

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		Limits
1868-53-7	Dibromofluoromethane	92%	60-130%
2037-26-5	Toluene-D8	102%	60-130%
460-00-4	4-Bromofluorobenzene	94%	60-130%

Method Blank Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR407-MB	R11394.D	1	08/27/12	BD	n/a	n/a	VR407

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-12, C23358-13, C23358-14, C23358-15, C23358-16

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		Limits
1868-53-7	Dibromofluoromethane	97%	60-130%
2037-26-5	Toluene-D8	99%	60-130%
460-00-4	4-Bromofluorobenzene	98%	60-130%

Method Blank Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1150-MB	W32939.D	1	08/28/12	KN	n/a	n/a	VW1150

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-10, C23358-11

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		Limits
1868-53-7	Dibromofluoromethane	98%	60-130%
2037-26-5	Toluene-D8	102%	60-130%
460-00-4	4-Bromofluorobenzene	100%	60-130%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

Method Blank Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU232-MB	U6057.D	1	08/28/12	YP	n/a	n/a	VU232

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-17

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		Limits
1868-53-7	Dibromofluoromethane	98%	60-130%
2037-26-5	Toluene-D8	99%	60-130%
460-00-4	4-Bromofluorobenzene	98%	60-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1149-BS	W32907.D	1	08/27/12	KN	n/a	n/a	VW1149
VW1149-BSD	W32908.D	1	08/27/12	KN	n/a	n/a	VW1149

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-1, C23358-2, C23358-3, C23358-4, C23358-5, C23358-6, C23358-7, C23358-8, C23358-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	18.9	95	18.4	92	3	60-130/30
100-41-4	Ethylbenzene	20	18.6	93	18.1	91	3	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	20.4	102	19.2	96	6	60-130/30
108-88-3	Toluene	20	18.9	95	18.2	91	4	60-130/30
1330-20-7	Xylene (total)	60	56.0	93	55.7	93	1	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	106%	100%	60-130%
2037-26-5	Toluene-D8	99%	95%	60-130%
460-00-4	4-Bromofluorobenzene	100%	97%	60-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR407-BS	R11391.D	1	08/27/12	BD	n/a	n/a	VR407
VR407-BSD	R11392.D	1	08/27/12	BD	n/a	n/a	VR407

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-12, C23358-13, C23358-14, C23358-15, C23358-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.9	105	20.9	105	0	60-130/30
100-41-4	Ethylbenzene	20	22.3	112	22.3	112	0	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	20.0	100	19.8	99	1	60-130/30
108-88-3	Toluene	20	20.7	104	20.5	103	1	60-130/30
1330-20-7	Xylene (total)	60	63.1	105	62.9	105	0	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	98%	60-130%
2037-26-5	Toluene-D8	100%	100%	60-130%
460-00-4	4-Bromofluorobenzene	100%	100%	60-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1150-BS	W32936.D	1	08/28/12	KN	n/a	n/a	VW1150
VW1150-BSD	W32937.D	1	08/28/12	KN	n/a	n/a	VW1150

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-10, C23358-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.0	95	19.9	100	5	60-130/30
100-41-4	Ethylbenzene	20	19.1	96	19.2	96	1	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	20.5	103	19.4	97	6	60-130/30
108-88-3	Toluene	20	18.9	95	19.6	98	4	60-130/30
1330-20-7	Xylene (total)	60	57.3	96	57.8	96	1	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	101%	60-130%
2037-26-5	Toluene-D8	98%	99%	60-130%
460-00-4	4-Bromofluorobenzene	102%	101%	60-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU232-BS	U6055.D	1	08/28/12	YP	n/a	n/a	VU232
VU232-BSD	U6058.D	1	08/28/12	YP	n/a	n/a	VU232

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	21.1	106	20.2	101	4	60-130/30
100-41-4	Ethylbenzene	20	23.2	116	21.7	109	7	60-130/30
1634-04-4	Methyl Tert Butyl Ether	20	24.9	125	23.9	120	4	60-130/30
108-88-3	Toluene	20	22.6	113	20.9	105	8	60-130/30
1330-20-7	Xylene (total)	60	69.3	116	64.7	108	7	60-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	92%	91%	60-130%
2037-26-5	Toluene-D8	101%	100%	60-130%
460-00-4	4-Bromofluorobenzene	103%	102%	60-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1149-LCS	W32909.D	1	08/27/12	KN	n/a	n/a	VW1149

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-1, C23358-2, C23358-3, C23358-4, C23358-5, C23358-6, C23358-7, C23358-8, C23358-9

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	134	107	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	60-130%
2037-26-5	Toluene-D8	100%	60-130%
460-00-4	4-Bromofluorobenzene	97%	60-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VR407-LCS	R11393.D	1	08/27/12	BD	n/a	n/a	VR407

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-12, C23358-13, C23358-14, C23358-15, C23358-16

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	109	87	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	94%	60-130%
2037-26-5	Toluene-D8	99%	60-130%
460-00-4	4-Bromofluorobenzene	99%	60-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1150-LCS	W32938.D	1	08/28/12	KN	n/a	n/a	VW1150

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-10, C23358-11

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	134	107	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	60-130%
2037-26-5	Toluene-D8	101%	60-130%
460-00-4	4-Bromofluorobenzene	99%	60-130%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU232-LCS	U6056.D	1	08/28/12	YP	n/a	n/a	VU232

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-17

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	128	102	60-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	91%	60-130%
2037-26-5	Toluene-D8	101%	60-130%
460-00-4	4-Bromofluorobenzene	100%	60-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C23358-2MS	W32926.D	1	08/27/12	KN	n/a	n/a	VW1149
C23358-2MSD	W32927.D	1	08/27/12	KN	n/a	n/a	VW1149
C23358-2	W32916.D	1	08/27/12	KN	n/a	n/a	VW1149

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-1, C23358-2, C23358-3, C23358-4, C23358-5, C23358-6, C23358-7, C23358-8, C23358-9

CAS No.	Compound	C23358-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	18.9	95	18.9	95	0	60-130/25
100-41-4	Ethylbenzene	ND		20	18.1	91	18.6	93	3	60-130/25
1634-04-4	Methyl Tert Butyl Ether	2.0		20	19.4	87	21.5	98	10	60-130/25
108-88-3	Toluene	ND		20	18.5	93	18.7	94	1	60-130/25
1330-20-7	Xylene (total)	ND		60	56.0	93	55.3	92	1	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C23358-2	Limits
1868-53-7	Dibromofluoromethane	97%	98%	97%	60-130%
2037-26-5	Toluene-D8	96%	99%	100%	60-130%
460-00-4	4-Bromofluorobenzene	98%	98%	99%	60-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C23330-1MS	R11412.D	1	08/27/12	BD	n/a	n/a	VR407
C23330-1MSD	R11413.D	1	08/27/12	BD	n/a	n/a	VR407
C23330-1	R11396.D	1	08/27/12	BD	n/a	n/a	VR407

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-12, C23358-13, C23358-14, C23358-15, C23358-16

CAS No.	Compound	C23330-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	21.4	107	21.3	107	0	60-130/25
100-41-4	Ethylbenzene	ND		20	20.3	102	20.2	101	0	60-130/25
1634-04-4	Methyl Tert Butyl Ether	ND		20	20.1	101	20.6	103	2	60-130/25
108-88-3	Toluene	ND		20	18.9	95	18.9	95	0	60-130/25
1330-20-7	Xylene (total)	ND		60	48.1	80	47.3	79	2	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C23330-1	Limits
1868-53-7	Dibromofluoromethane	96%	96%	96%	60-130%
2037-26-5	Toluene-D8	94%	94%	95%	60-130%
460-00-4	4-Bromofluorobenzene	100%	99%	98%	60-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C23350-1MS	W32957.D	1	08/28/12	KN	n/a	n/a	VW1150
C23350-1MSD	W32958.D	1	08/28/12	KN	n/a	n/a	VW1150
C23350-1	W32944.D	1	08/28/12	KN	n/a	n/a	VW1150

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-10, C23358-11

CAS No.	Compound	C23350-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		20	19.7	99	19.2	96	3	60-130/25
100-41-4	Ethylbenzene	ND		20	18.9	95	18.8	94	1	60-130/25
1634-04-4	Methyl Tert Butyl Ether	ND		20	18.5	93	18.4	92	1	60-130/25
108-88-3	Toluene	ND		20	19.7	99	19.5	98	1	60-130/25
1330-20-7	Xylene (total)	ND		60	58.0	97	57.2	95	1	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C23350-1	Limits
1868-53-7	Dibromofluoromethane	95%	92%	100%	60-130%
2037-26-5	Toluene-D8	99%	97%	103%	60-130%
460-00-4	4-Bromofluorobenzene	95%	94%	102%	60-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C23366-2MS	U6076.D	5	08/28/12	YP	n/a	n/a	VU232
C23366-2MSD	U6077.D	5	08/28/12	YP	n/a	n/a	VU232
C23366-2	U6061.D	5	08/28/12	YP	n/a	n/a	VU232

The QC reported here applies to the following samples: **Method:** SW846 8260B

C23358-17

CAS No.	Compound	C23366-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	52.5		100	154	102	152	100	1	60-130/25
100-41-4	Ethylbenzene	53.0		100	169	116	164	111	3	60-130/25
1634-04-4	Methyl Tert Butyl Ether	ND		100	121	121	119	119	2	60-130/25
108-88-3	Toluene	217		100	326	109	320	103	2	60-130/25
1330-20-7	Xylene (total)	255		300	589	111	575	107	2	60-130/25

CAS No.	Surrogate Recoveries	MS	MSD	C23366-2	Limits
1868-53-7	Dibromofluoromethane	93%	92%	89%	60-130%
2037-26-5	Toluene-D8	101%	101%	97%	60-130%
460-00-4	4-Bromofluorobenzene	106%	106%	102%	60-130%

* = Outside of Control Limits.

Northern California ACCUTEST LABORATORIES

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: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6517-MB	GG36202.D	1	08/24/12	JH	08/24/12	OP6517	GGG966

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C23358-2, C23358-3, C23358-4, C23358-5, C23358-6, C23358-7, C23358-8, C23358-9, C23358-10, C23358-11, C23358-12

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	80%	45-140%

Method Blank Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6534-MB	HH025279.D	1	08/28/12	JH	08/28/12	OP6534	GHH798

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C23358-13, C23358-14, C23358-15, C23358-16, C23358-17

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	72%	45-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6517-BS	GG36200.D	1	08/24/12	JH	08/24/12	OP6517	GGG966
OP6517-BSD	GG36201.D	1	08/24/12	JH	08/24/12	OP6517	GGG966

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C23358-2, C23358-3, C23358-4, C23358-5, C23358-6, C23358-7, C23358-8, C23358-9, C23358-10, C23358-11, C23358-12

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	1	0.759	76	0.659	66	14	45-140/30
	TPH (Motor Oil)	1	0.730	73	0.650	65	12	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	84%	76%	45-140%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6534-BS	HH025280.D	1	08/28/12	JH	08/28/12	OP6534	GHH798
OP6534-BSD	HH025281.D	1	08/28/12	JH	08/28/12	OP6534	GHH798

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C23358-13, C23358-14, C23358-15, C23358-16, C23358-17

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	1	0.675	68	0.709	71	5	45-140/30
	TPH (Motor Oil)	1	0.771	77	0.764	76	1	45-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	80%	82%	45-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6517-MS	GG36226.D	1	08/24/12	JH	08/24/12	OP6517	GGG966
OP6517-MSD	GG36227.D	1	08/24/12	JH	08/24/12	OP6517	GGG966
C23344-2	GG36224.D	1	08/24/12	JH	08/24/12	OP6517	GGG966

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C23358-2, C23358-3, C23358-4, C23358-5, C23358-6, C23358-7, C23358-8, C23358-9, C23358-10, C23358-11, C23358-12

CAS No.	Compound	C23344-2 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	ND		0.943	0.736	78	0.644	68	13	45-140/25
	TPH (Motor Oil)	ND		0.943	0.708	75	0.618	66	14	45-140/25

CAS No.	Surrogate Recoveries	MS	MSD	C23344-2	Limits
630-01-3	Hexacosane	72%	73%	81%	45-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C23358
Account: CCCAA Cameron-Cole
Project: T0600118672-AC Transit, Emeryville, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP6534-MS	HH025321.D	1	08/29/12	JH	08/28/12	OP6534	GHH798
OP6534-MSD	HH025329.D	1	08/29/12	JH	08/28/12	OP6534	GHH798
C23358-17	HH025286.D	1	08/28/12	JH	08/28/12	OP6534	GHH798

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C23358-13, C23358-14, C23358-15, C23358-16, C23358-17

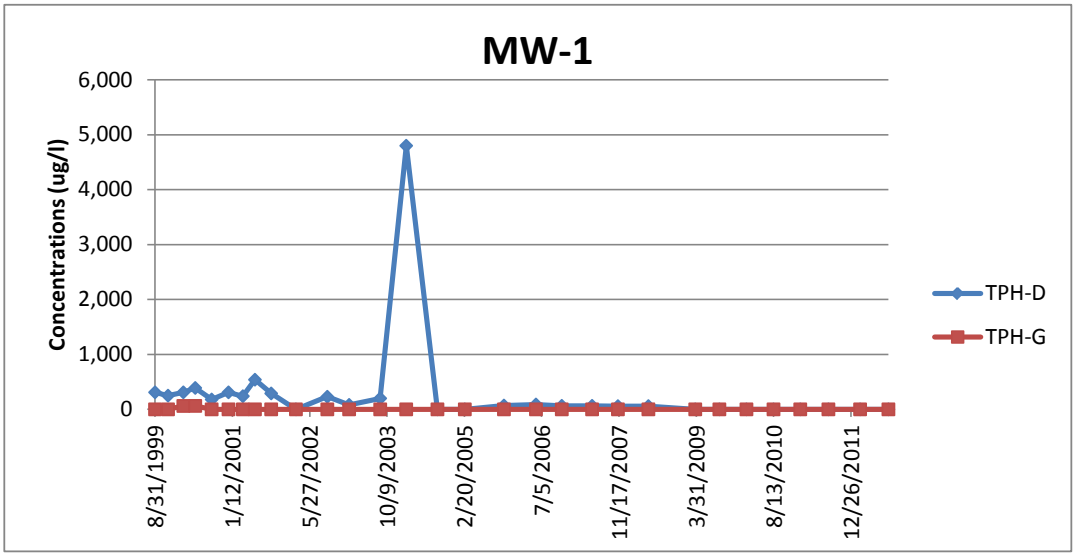
CAS No.	Compound	C23358-17 mg/l	Q	Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH (Diesel)	ND		2	1.20	60	0.999	50	18	45-140/25
	TPH (Motor Oil)	ND		2	1.30	65	1.12	56	15	45-140/25

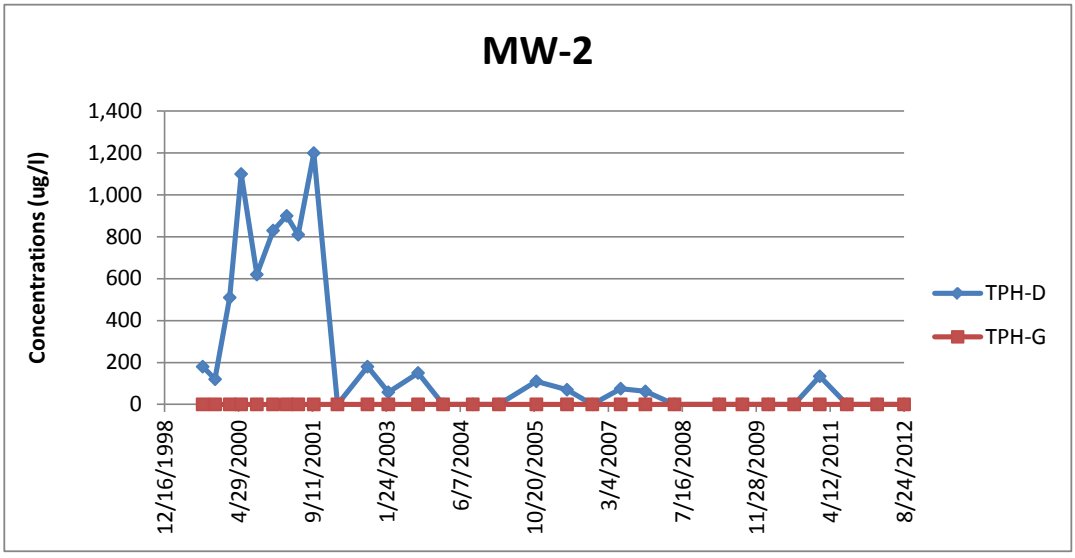
CAS No.	Surrogate Recoveries	MS	MSD	C23358-17	Limits
630-01-3	Hexacosane	68%	68%	77%	45-140%

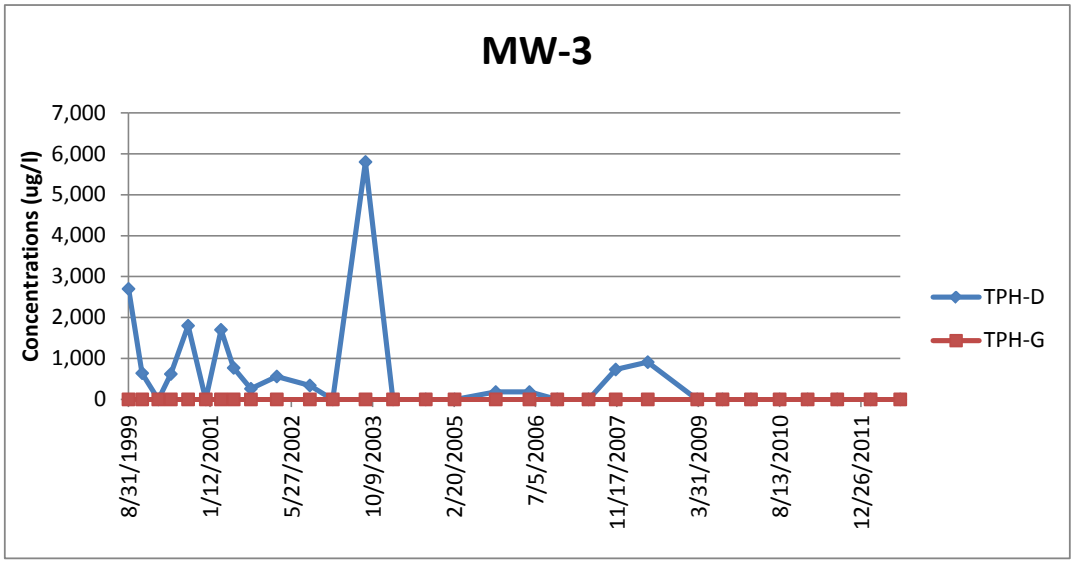
* = Outside of Control Limits.

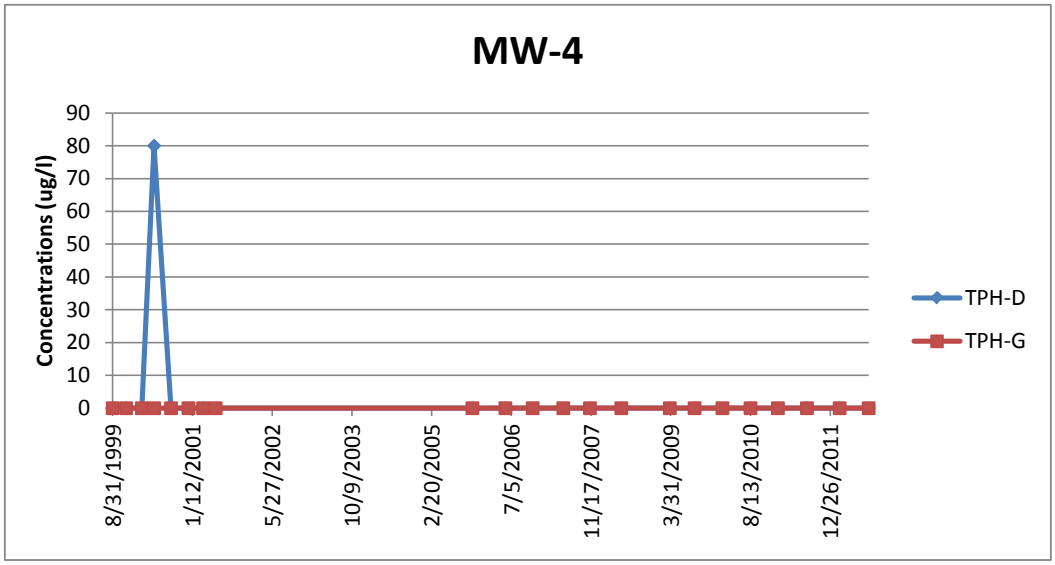
APPENDIX B

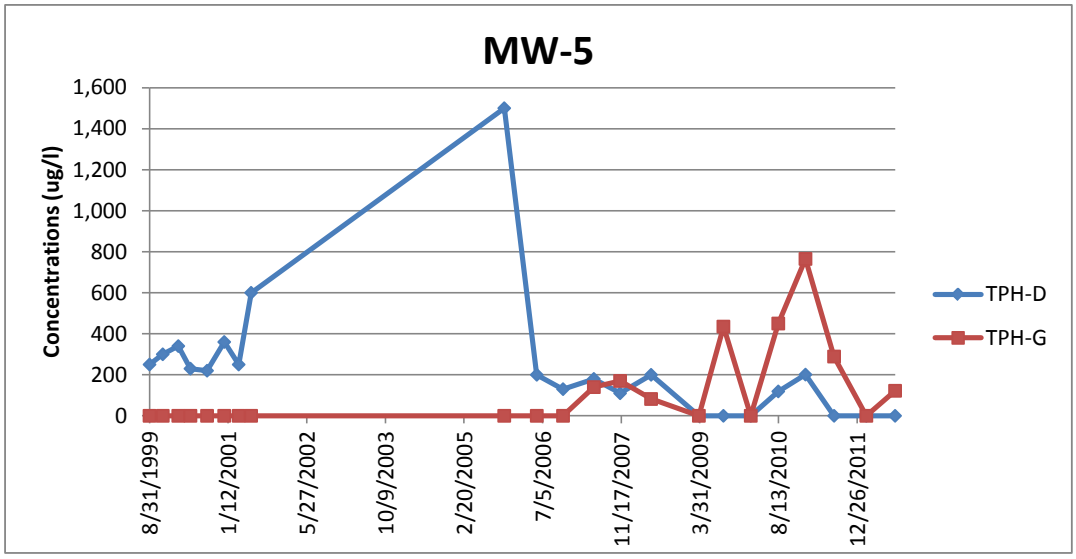
CONCENTRATION VS. TIME GRAPHS

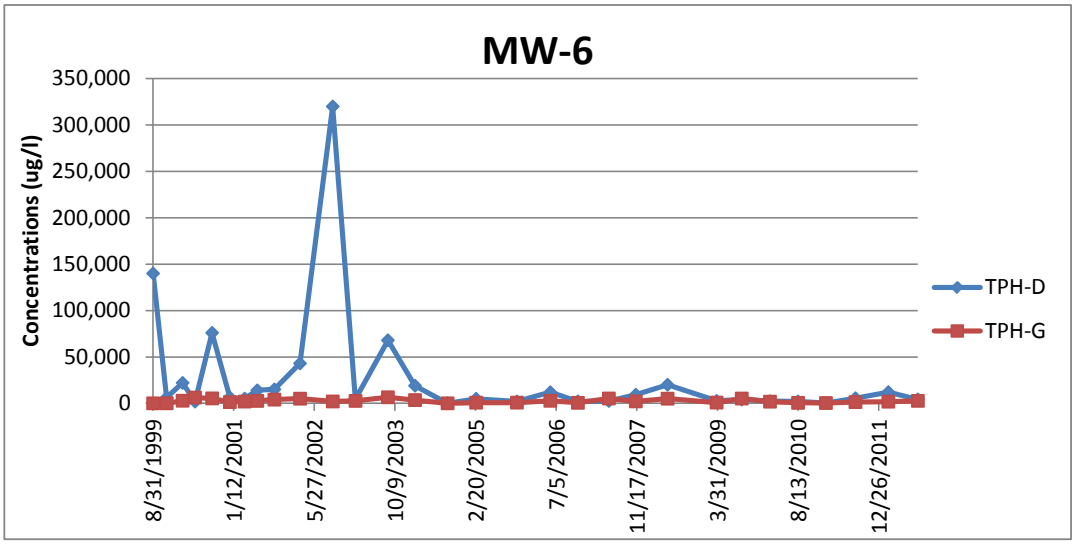

MW-1
Concentrations (ug/l)
6,000
5,000
4,000
3,000
2,000
1,000
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
TPH-D
TPH-G

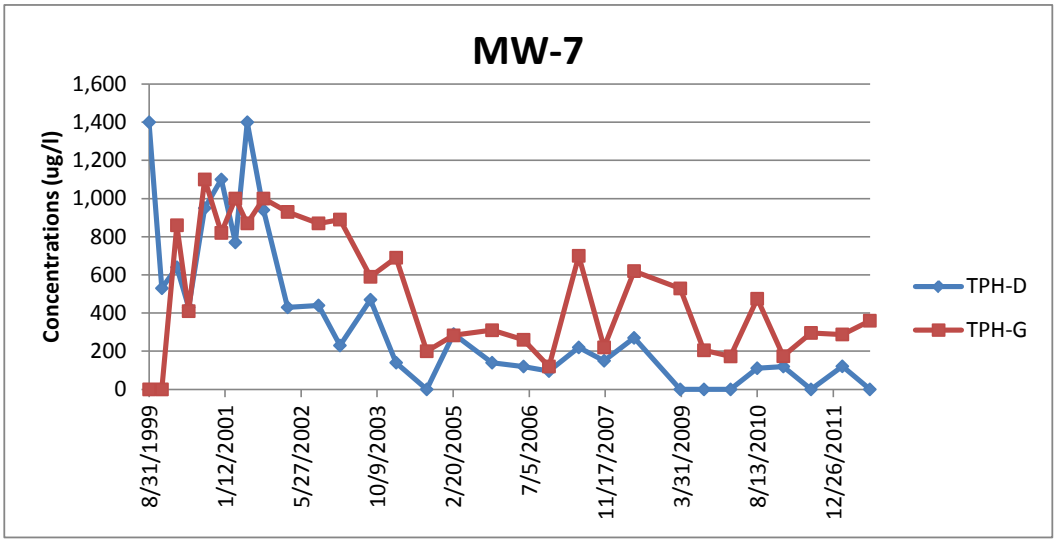

MW-2
Concentrations (ug/l)
1,400
1,200
1,000
800
600
400
200
0
12/16/1998
4/29/2000
9/11/2001
1/24/2003
6/7/2004
10/20/2005
3/4/2007
7/16/2008
11/28/2009
4/12/2011
8/24/2012
TPH-D
TPH-G

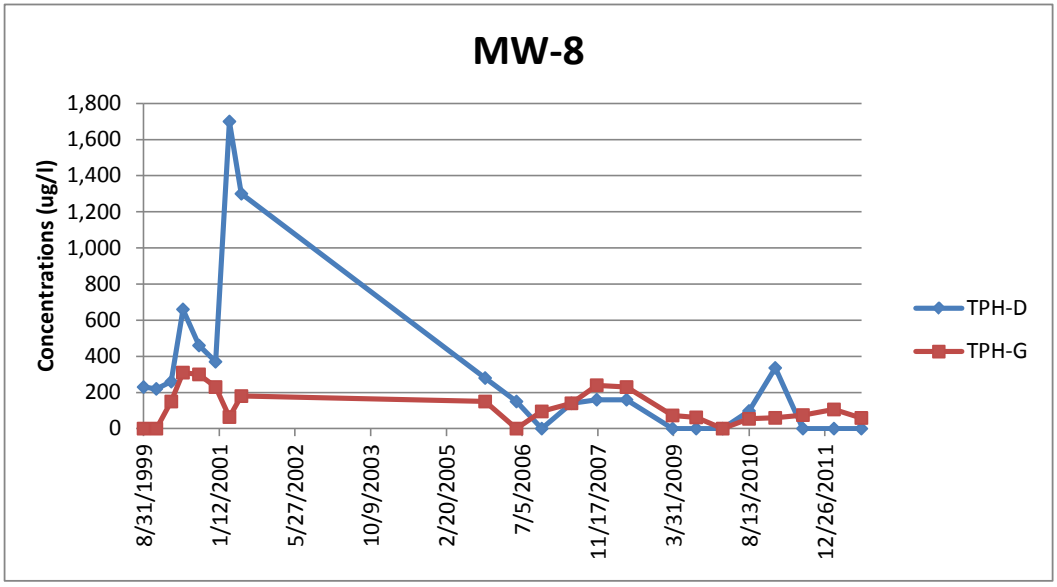

MW-3
Concentrations (ug/l)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
TPH-D
TPH-G

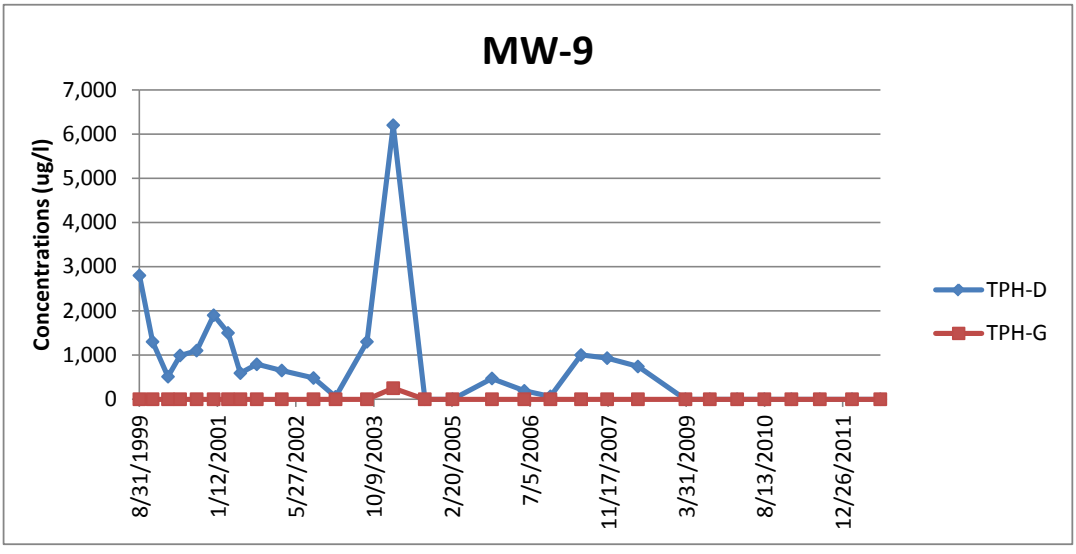

MW-4
Concentrations (ug/l)
90
80
70
60
50
40
30
20
10
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
TPH-D
TPH-G

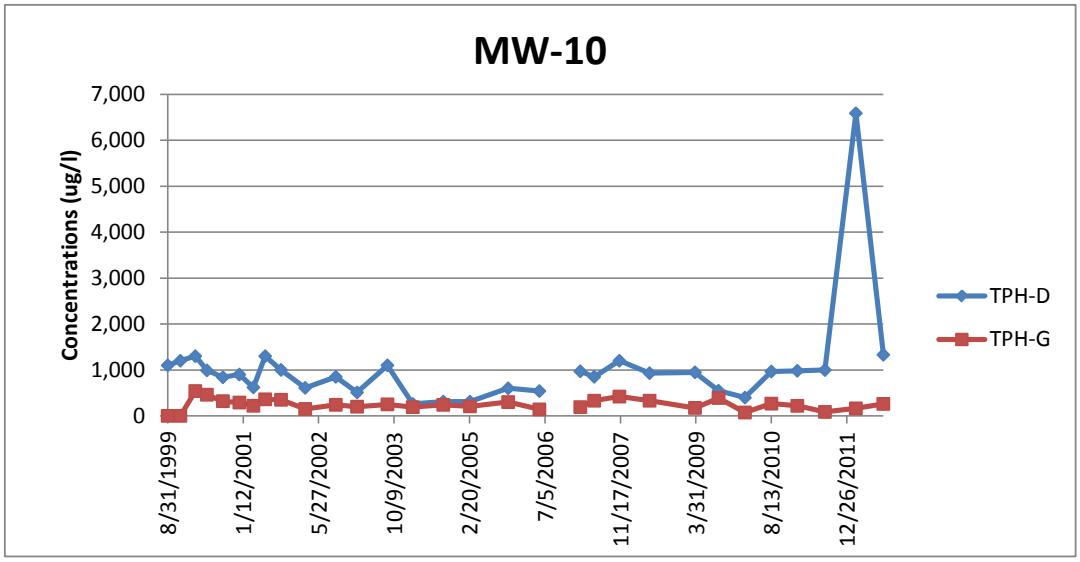

MW-5
Concentrations (ug/l)
1,600
1,400
1,200
1,000
800
600
400
200
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
TPH-D
TPH-G

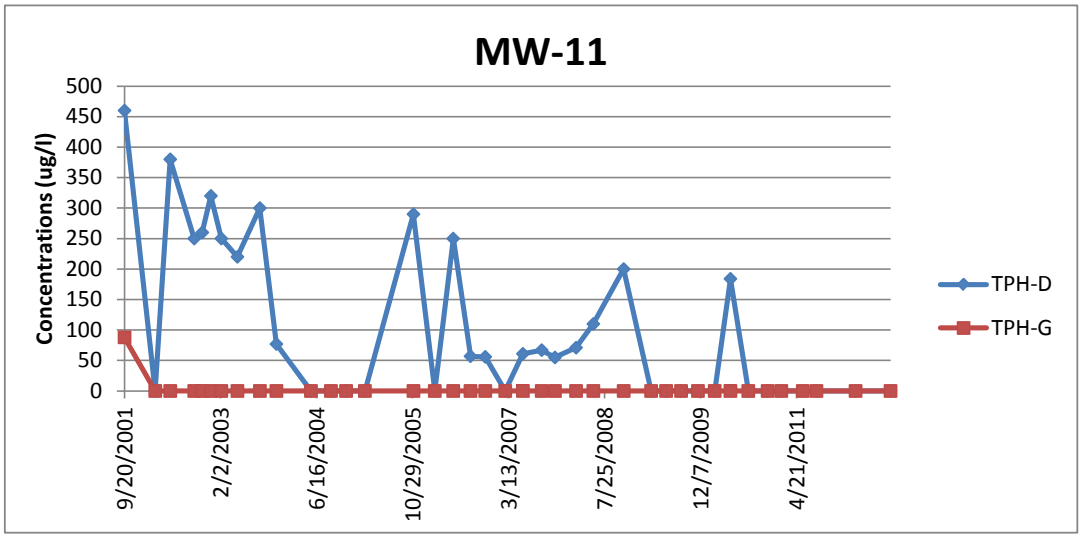

MW-6
Concentrations (ug/l)
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
TPH-D
TPH-G

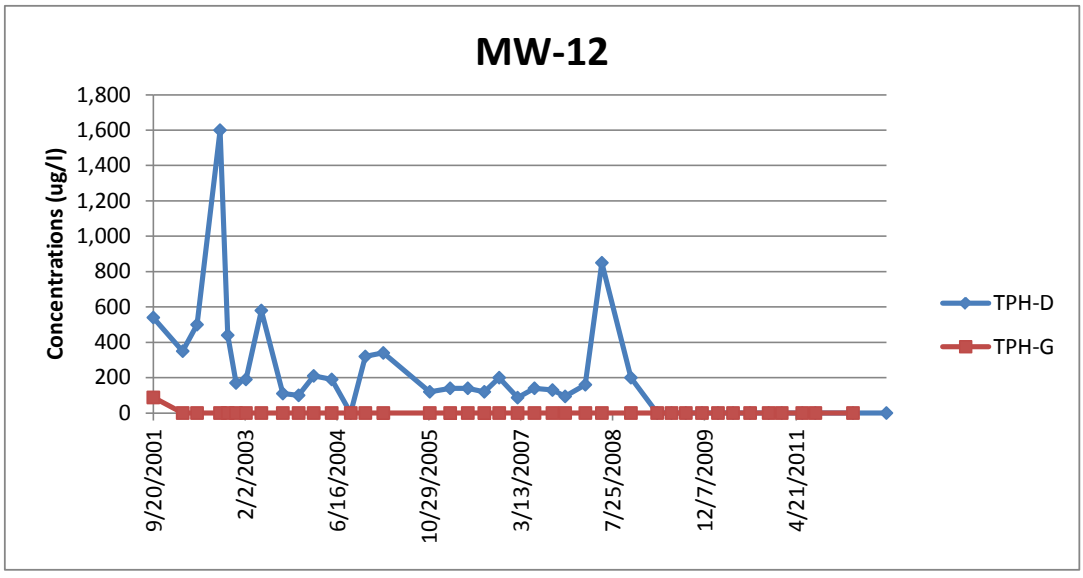

MW-7
Concentrations (ug/l)
1,600
1,400
1,200
1,000
800
600
400
200
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
TPH-D
TPH-G

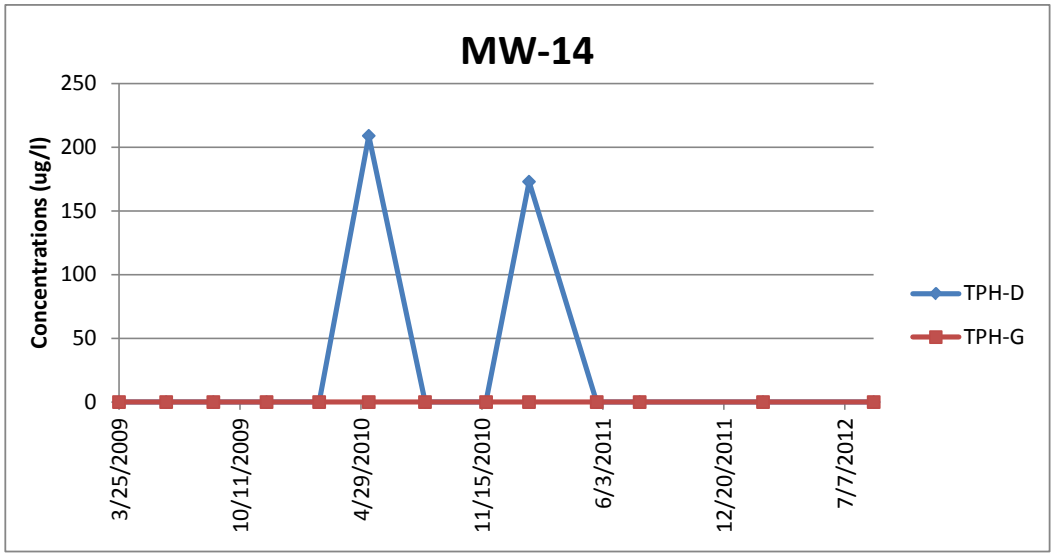

MW-8
Concentrations (ug/l)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
TPH-D
TPH-G

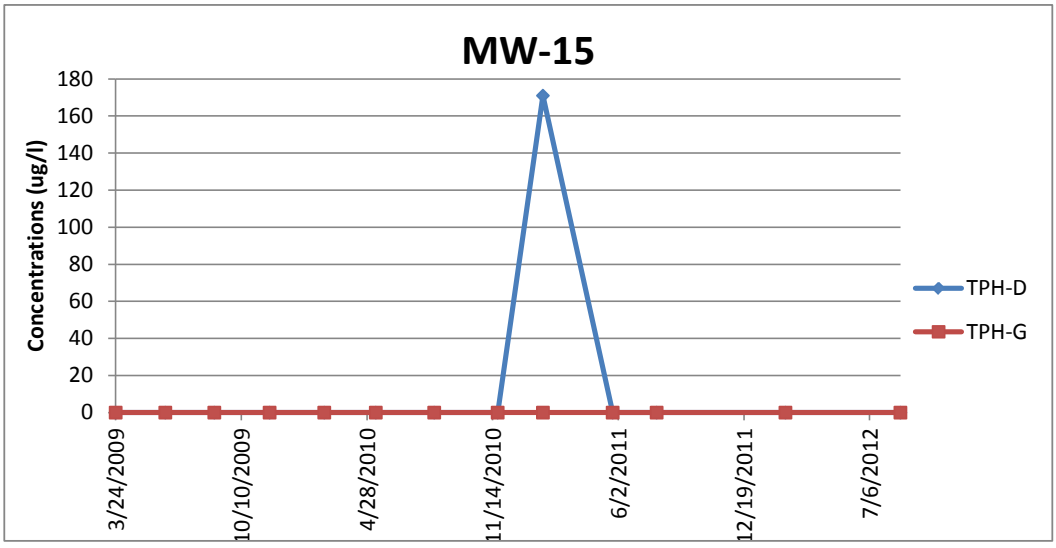

MW-9
Concentrations (ug/l)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
TPH-D
TPH-G

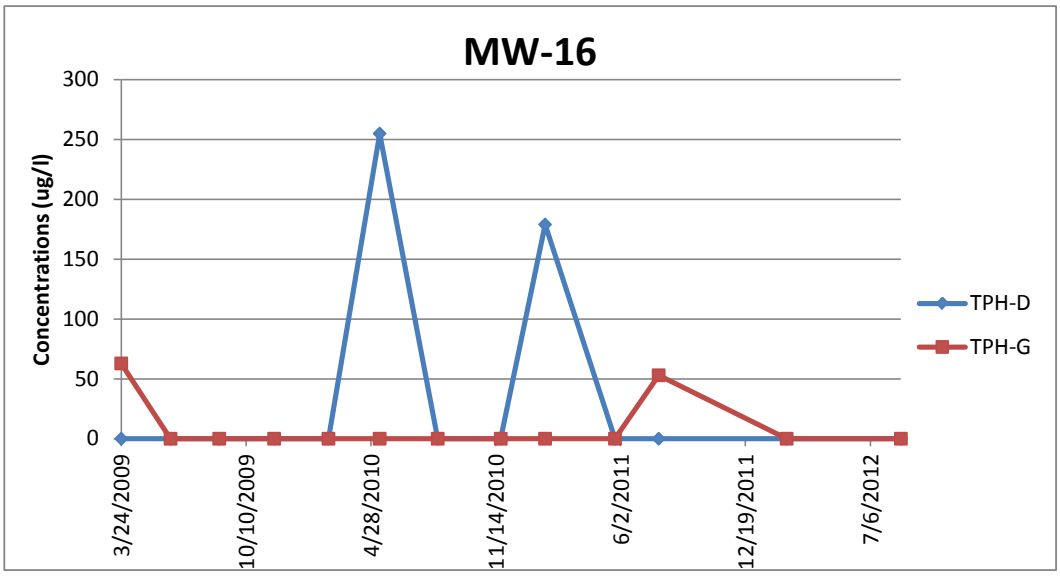

MW-10
Concentrations (ug/l)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
TPH-D
TPH-G

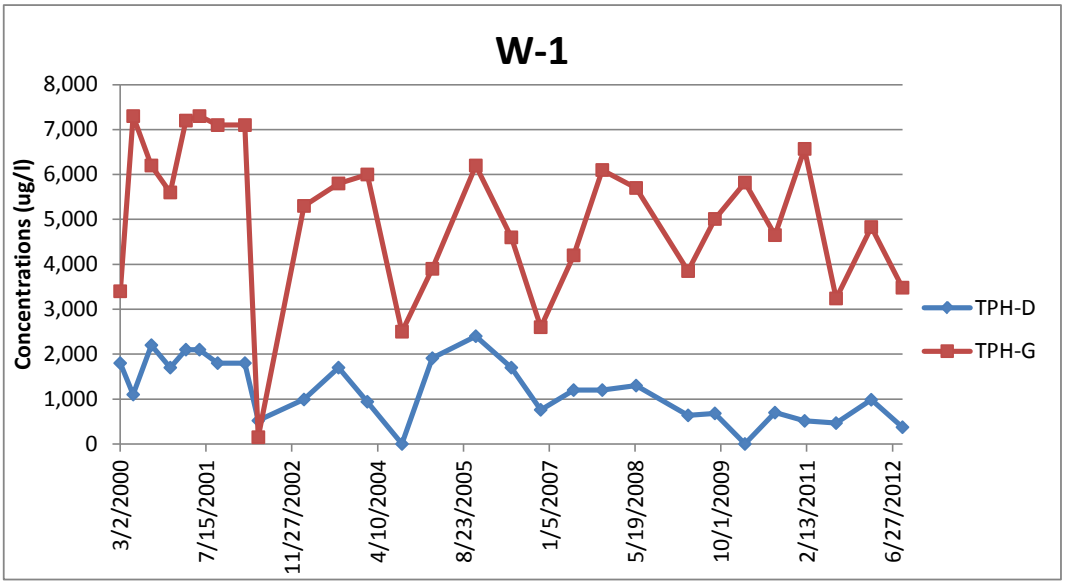

MW-11
Concentrations (ug/l)
500
450
400
350
300
250
200
150
100
50
0
9/20/2001
2/2/2003
6/16/2004
10/29/2005
3/13/2007
7/25/2008
12/7/2009
4/21/2011
TPH-D
TPH-G

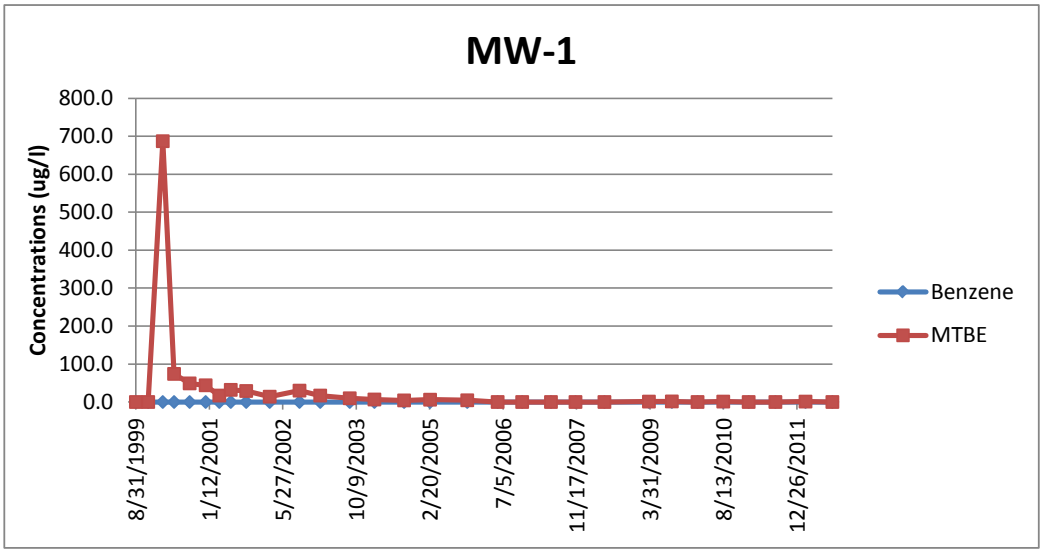

MW-12
Concentrations (ug/l)
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
9/20/2001
2/2/2003
6/16/2004
10/29/2005
3/13/2007
7/25/2008
12/7/2009
4/21/2011
TPH-D
TPH-G

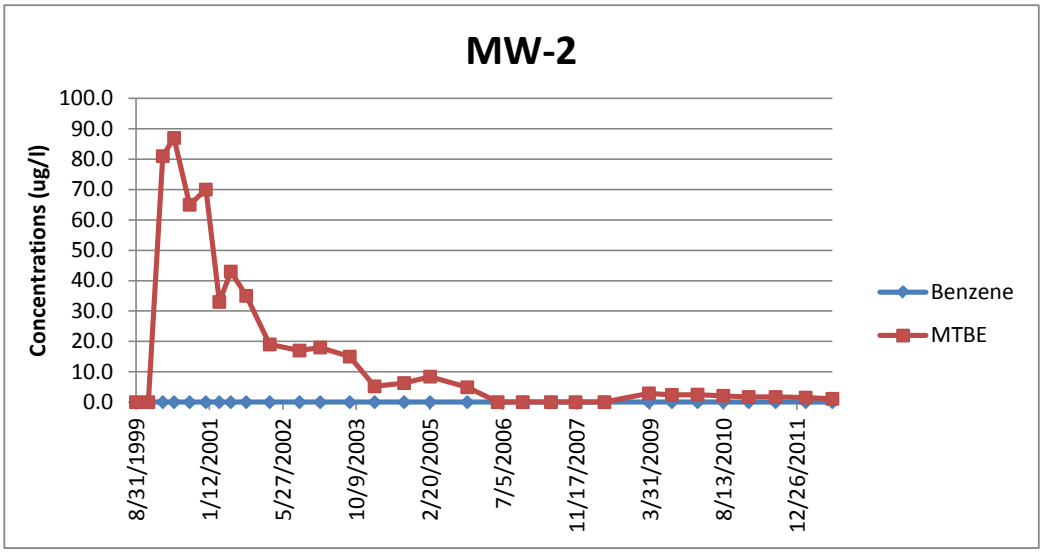

MW-14
Concentrations (ug/l)
250
200
150
100
50
0
3/25/2009
10/11/2009
4/29/2010
11/15/2010
6/3/2011
12/20/2011
7/7/2012
TPH-D
TPH-G

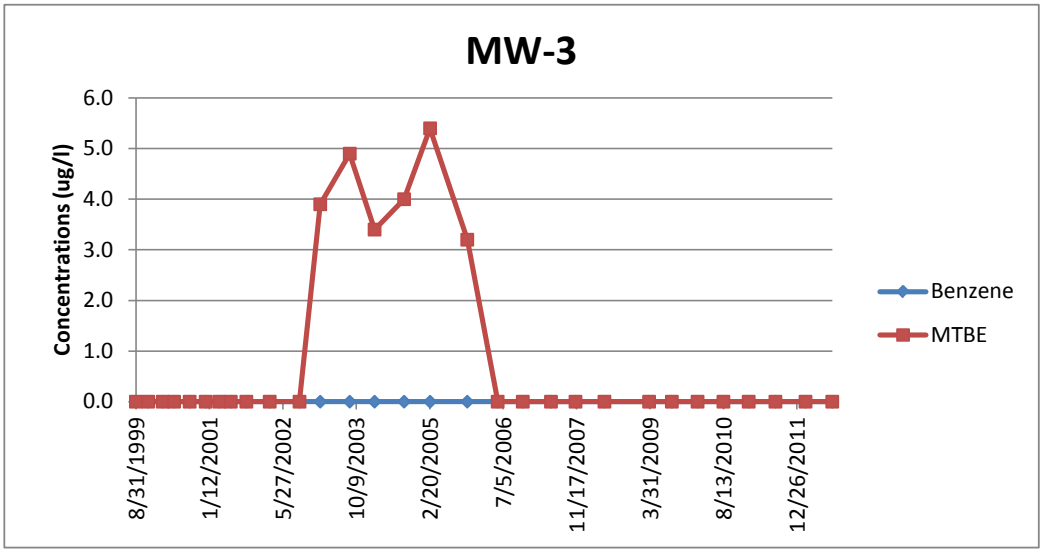

MW-15
Concentrations (ug/l)
180
160
140
120
100
80
60
40
20
0
3/24/2009
10/10/2009
4/28/2010
11/14/2010
6/2/2011
12/19/2011
7/6/2012
TPH-D
TPH-G

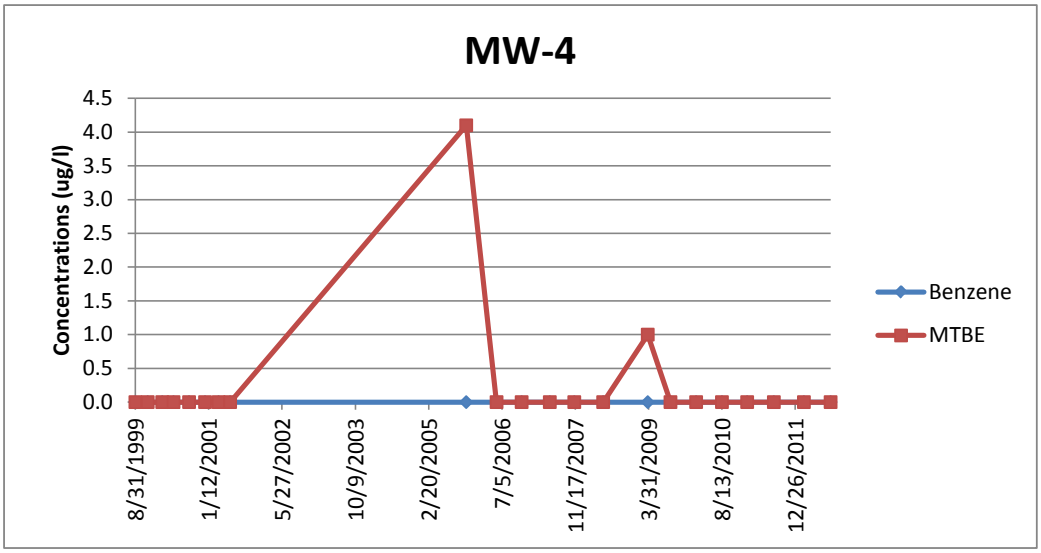

MW-16
Concentrations (ug/l)
300
250
200
150
100
50
0
3/24/2009
10/10/2009
4/28/2010
11/14/2010
6/2/2011
12/19/2011
7/6/2012
TPH-D
TPH-G

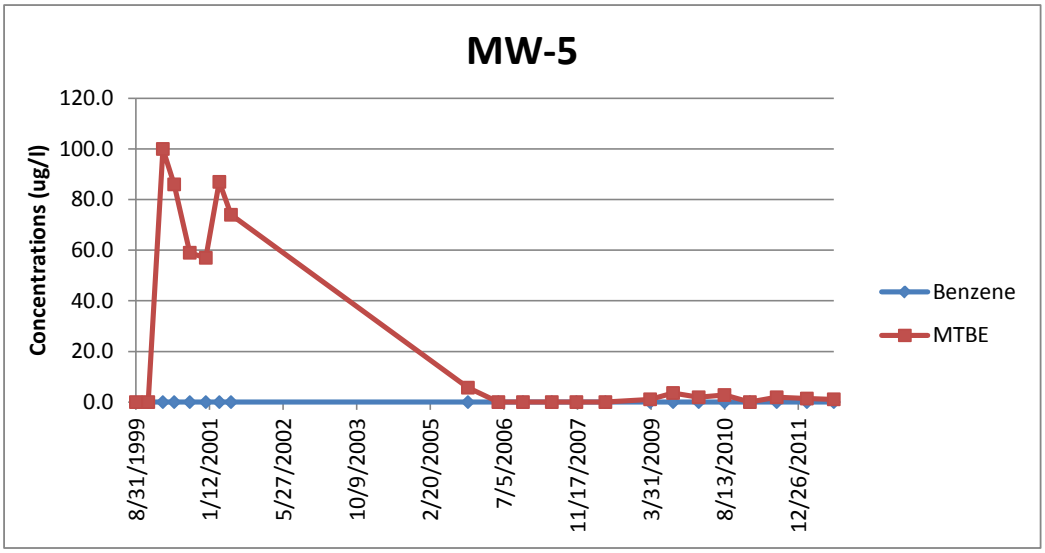

W-1
Concentrations (ug/l)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
3/2/2000
7/15/2001
11/27/2002
4/10/2004
8/23/2005
1/5/2007
5/19/2008
10/1/2009
2/13/2011
6/27/2012
TPH-D
TPH-G

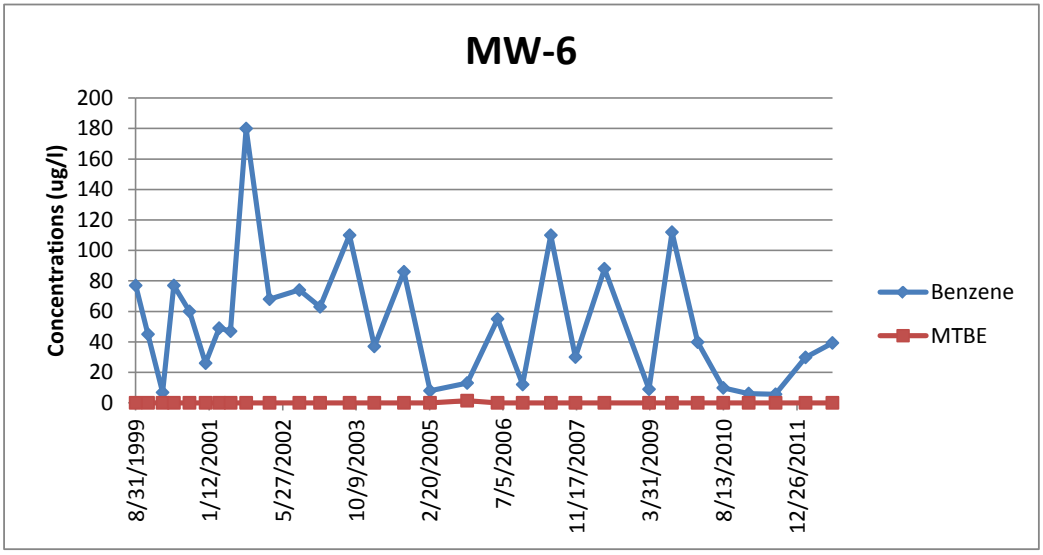

MW-1
Concentrations (ug/l)
800.0
700.0
600.0
500.0
400.0
300.0
200.0
100.0
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

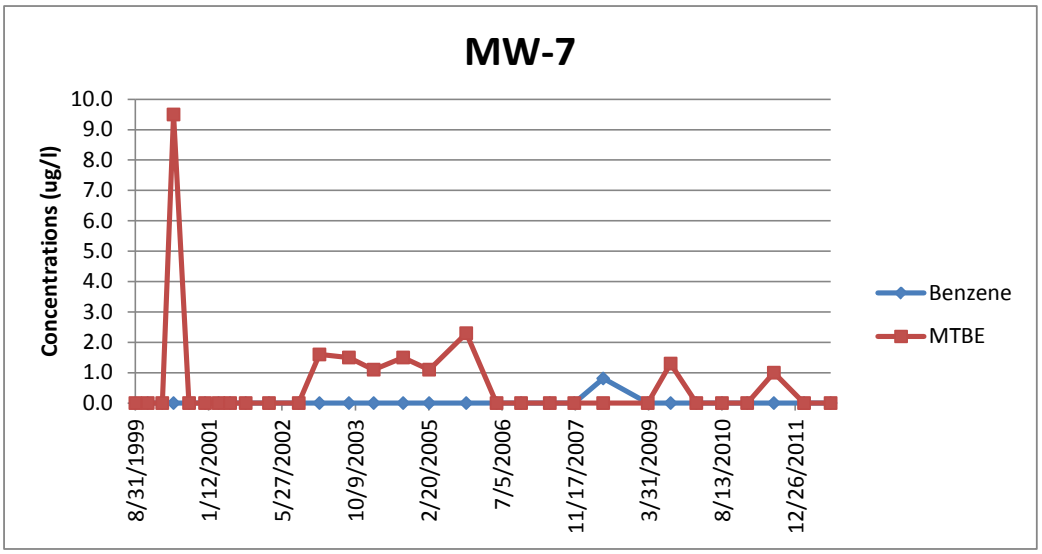

MW-2
Concentrations (ug/l)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

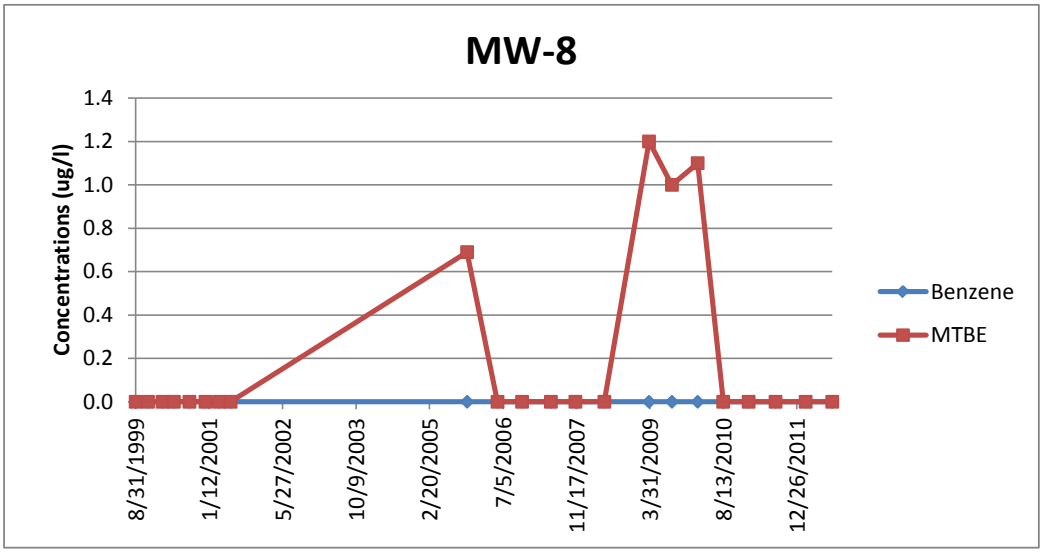

MW-3
Concentrations (ug/l)
6.0
5.0
4.0
3.0
2.0
1.0
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

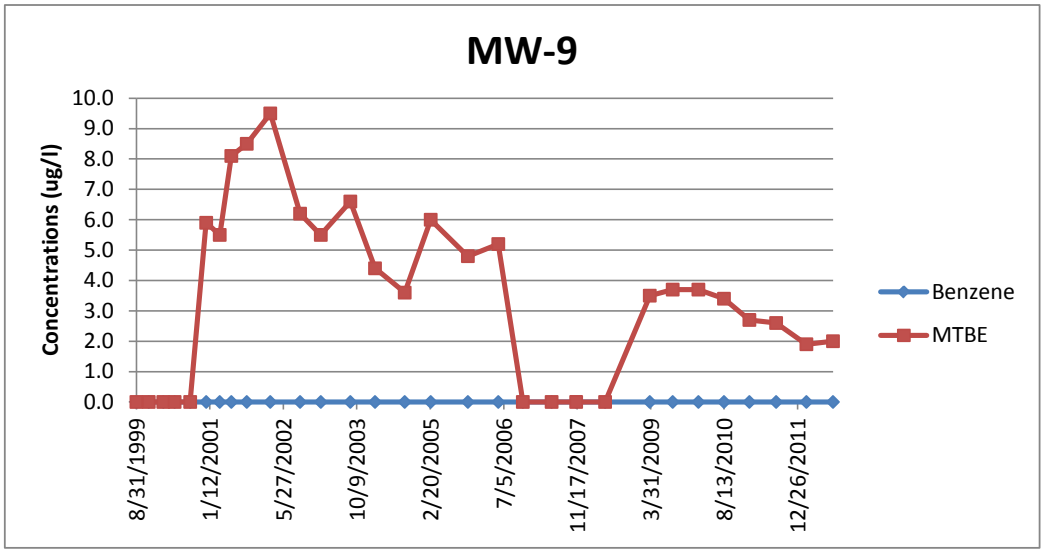

MW-4
Concentrations (ug/l)
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

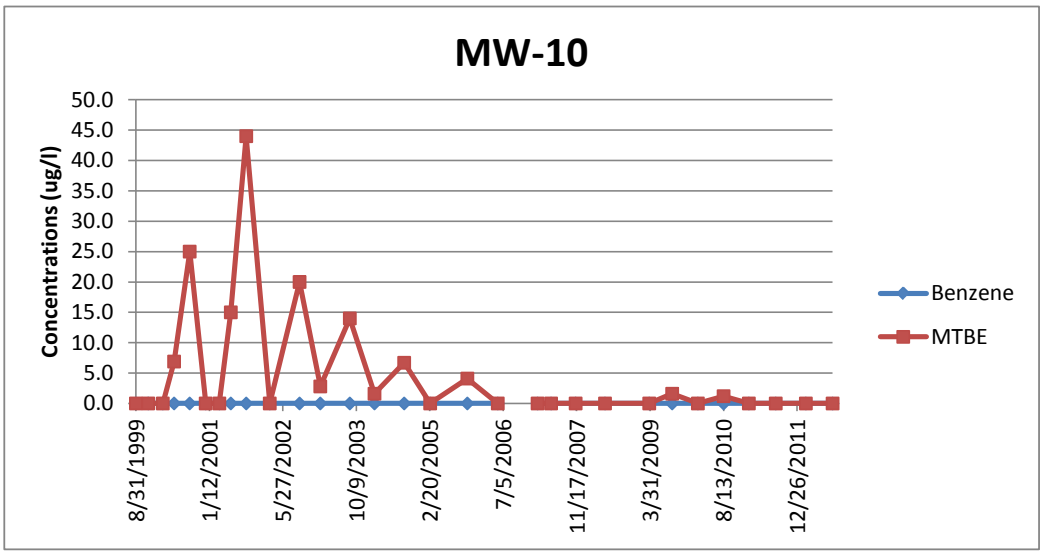

MW-5
Concentrations (ug/l)
120.0
100.0
80.0
60.0
40.0
20.0
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

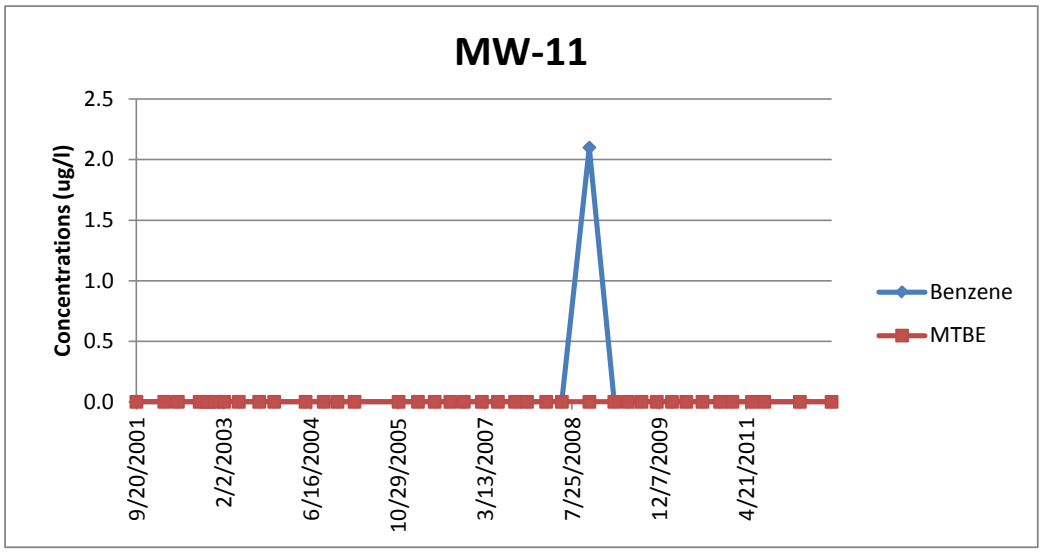

MW-6
Concentrations (ug/l)
200
180
160
140
120
100
80
60
40
20
0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

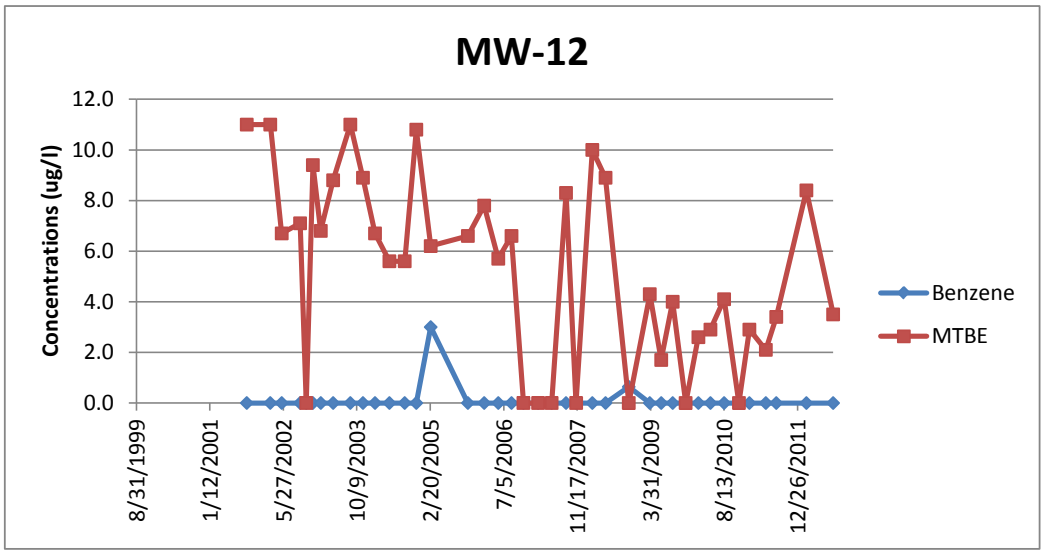

MW-7
Concentrations (ug/l)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

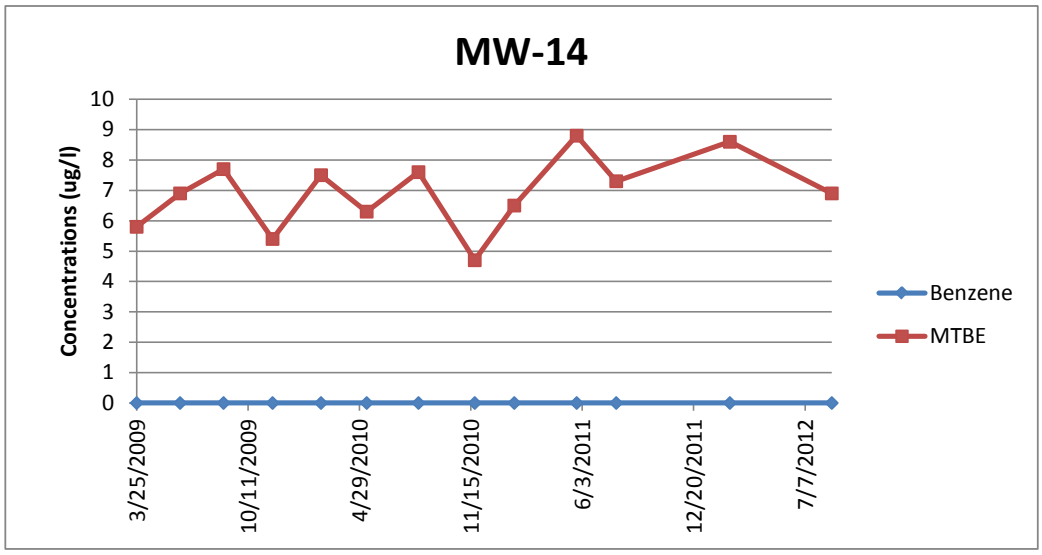

MW-8
Concentrations (ug/l)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

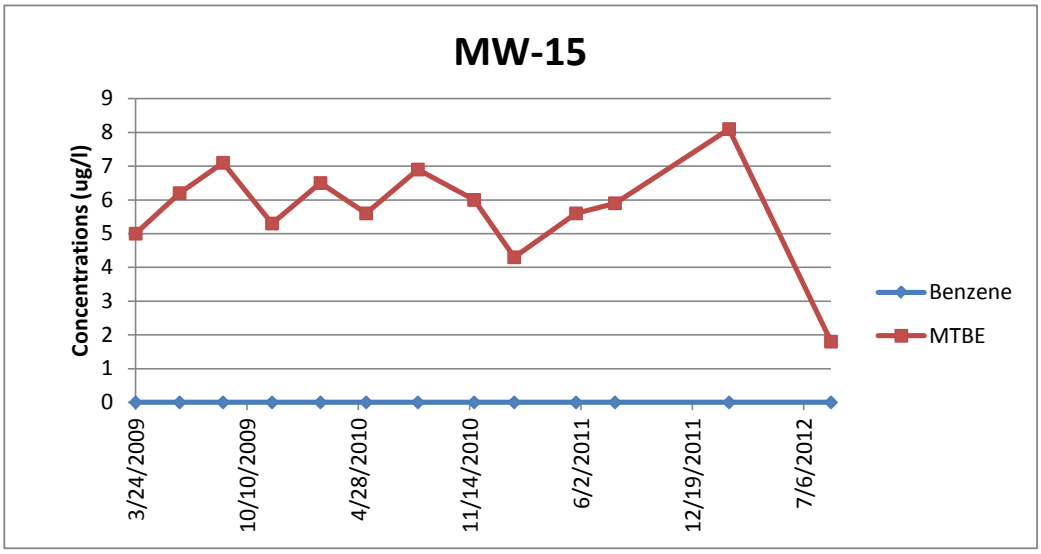

MW-9
Concentrations (ug/l)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

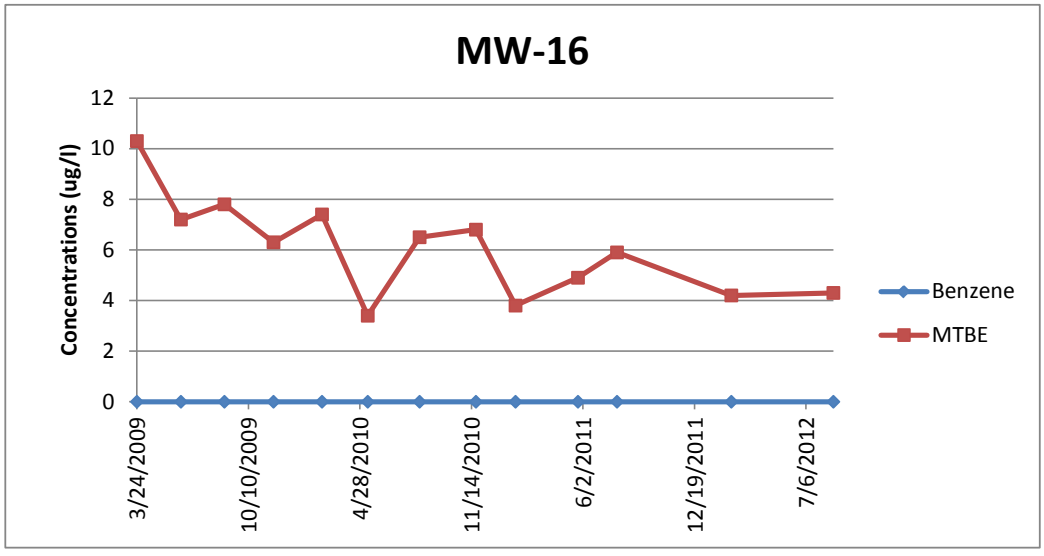

MW-10
Concentrations (ug/l)
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE

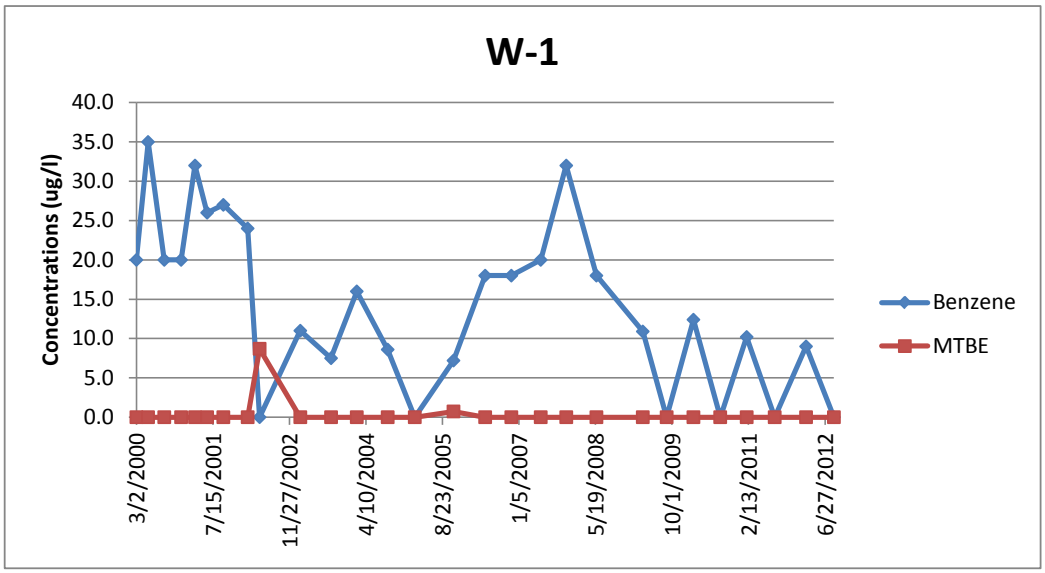

MW-11
Concentrations (ug/l)
2.5
2.0
1.5
1.0
0.5
0.0
9/20/2001
2/2/2003
6/16/2004
10/29/2005
3/13/2007
7/25/2008
12/7/2009
4/21/2011
Benzene
MTBE


MW-12
Concentrations (ug/l)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
8/31/1999
1/12/2001
5/27/2002
10/9/2003
2/20/2005
7/5/2006
11/17/2007
3/31/2009
8/13/2010
12/26/2011
Benzene
MTBE


MW-14
Concentrations (ug/l)
10
9
8
7
6
5
4
3
2
1
0
3/25/2009
10/11/2009
4/29/2010
11/15/2010
6/3/2011
12/20/2011
7/7/2012
Benzene
MTBE


MW-15
Concentrations (ug/l)
9
8
7
6
5
4
3
2
1
0
3/24/2009
10/10/2009
4/28/2010
11/14/2010
6/2/2011
12/19/2011
7/6/2012
Benzene
MTBE


MW-16
Concentrations (ug/l)
12
10
8
6
4
2
0
3/24/2009
10/10/2009
4/28/2010
11/14/2010
6/2/2011
12/19/2011
7/6/2012
Benzene
MTBE


W-1
Concentrations (ug/l)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
3/2/2000
7/15/2001
11/27/2002
4/10/2004
8/23/2005
1/5/2007
5/19/2008
10/1/2009
2/13/2011
6/27/2012
Benzene
MTBE

APPENDIX C

SITE HISTORY

Prior to 1999, several subsurface soil and groundwater investigations associated with underground storage tanks (USTs) and one surface diesel spill were conducted at the Site. During these historic investigations, several soil borings and 14 groundwater monitor wells (MW-1 through MW-10 and W-1 through W-4) were installed (Figure 2).

In August 1999, the ACHCS, requested resumption of quarterly groundwater monitoring associated with historic TPH releases from the facility's USTs and delivery system. During the initial 1999 evaluation of the site's monitor wells, it was determined that the casing in monitor well W-2 was bent at a depth of three feet below grade, preventing the lowering of a bailer for sample collection. Monitor well W-2 was subsequently abandoned. In December 1999, six USTs located in Tank Farm No. 2 (Figure 2) were excavated and removed under oversight from the ACHCS.

In May 2000, the ACHCS requested additional subsurface investigation work to further define the extent of TPH in groundwater downgradient of the existing monitor well network. Additional subsurface investigation work conducted in 2001 included the installation of soil borings SB-1a through SB-4a installed in the vicinity of former Tank Farm No. 2 and the installation of soil borings SB-5a through SB-8a located along the downgradient property boundary. After reviewing the results from samples collected from soil borings SB-1a through SB-8a, three additional monitor wells (MW-11 through MW-13) were installed at the site (Figure 2).

During third quarter 2002 groundwater monitoring conducted at the site, an approximate seven-foot free phase product layer was measured in monitor well MW-13. This was the first measurable product layer recorded in this monitor well. Subsequent testing conducted by AC Transit on the hydraulic lift system located in the Tire Shop located near monitor well MW-13, confirmed that one of the hydraulic hoists had leaked. The lift was immediately taken out of service. ACHCS was notified of the release by AC Transit in a letter dated November 6, 2002. On November 13, 2002, removal of the free phase product from monitor well MW-13 was initiated. Product layer removal consisted of pumping the free phase layer from the well on a daily basis. By November 20, 2002 the layer had been reduced to a sheen (< 0.01 feet).

On February 18, 2003, five soil borings (SB-1b through SB-5b) were installed in the vicinity of the Tire Building to assess the extent of the impact of hydraulic oil. At the request of ACHCS a sixth boring (SB-6b) was located downgradient of a 1,000-gallon UST used by the facility's emergency generator. The review of analytical results from samples collected from soil borings SB-1b through SB-5b, resulted in a second investigation focused along Doyle Street, located downgradient of the site. Soil borings SB-7b through SB-12b were installed within Doyle Street to better define the extent of TPH downgradient of the site. At the request of ACHCS, two additional borings SB-13b and SB-14b were installed onsite to sufficient depths to define a sand layer encountered in monitor wells W-1, W-2 and MW-13.

To assess the potential for impacts to sensitive receptors through groundwater, a Well Completion Report Release Agreement was filed with the County of Alameda Public Works Agency. The well completion report provided a listing of all the wells installed within a 1/2-mile radius of the Site. The well completion report found a total of 338 wells, none of which are used for domestic or municipal supply. Based on the current known extent of the groundwater plume, location of facility

buildings, property boundaries and absence of domestic or municipal supply wells, there are no likely exposure pathways to sensitive receptors. Additionally, access to the Site is restricted to authorized personnel making exposure of the general public unlikely.

In August 2006 the ACHCS requested additional subsurface investigation to better define the extent of TPH in soil and groundwater downgradient of MW-13. After lengthy negotiations with the downgradient property owner, seven borings (SB-15 through SB-21) were installed near the Emeryville Business Center located at 4701 Doyle Street in December 2008. Both soil and grab groundwater samples were collected from these boring. Following review of the analytical data from samples collected during soil boring installation, a network of monitor wells were located and installed.

Two new wells, MW-15 and MW-16, were installed on February 19, 2009. While locating utilities prior to drilling activities, an unmarked monitor well was discovered on Doyle Street, adjacent to monitor well MW-13. The well was most likely associated with an inactive Pacific Gas and Electric Company materials facility at 4525 Hollis Street. The Department of Water Resources did not have a well completion form for the unmarked monitor well. A camera was deployed down the well to determine the screened interval and to inspect the condition of the PVC. The well was in good condition and had a total depth of 22.3 feet bgs with a screen to approximately 13 feet bgs. The well construction and location were ideal for monitoring the plume boundary downgradient of the site. In lieu of installing an additional well at the same location, the unmarked well was named MW-14 and incorporated into the AC Transit monitor well network following a telephone conversation and January 15, 2009 email correspondence with Steven Plunkett of ACEHS.

Prior to 1999, several subsurface soil and groundwater investigations associated with underground storage tanks (USTs) and one surface diesel spill were conducted at the Site. During these historic investigations, several soil borings and 14 groundwater monitor wells (MW-1 through MW-10 and W-1 through W-4) were installed (Figure 2).

In August 1999, the ACHCS, requested resumption of quarterly groundwater monitoring associated with historic TPH releases from the facility's USTs and delivery system. During the initial 1999 evaluation of the site's monitor wells, it was determined that the casing in monitor well W-2 was bent at a depth of three feet below grade, preventing the lowering of a bailer for sample collection. Monitor well W-2 was subsequently abandoned. In December 1999, six USTs located in Tank Farm No. 2 (Figure 2) were excavated and removed under oversight from the ACHCS.

In May 2000, the ACHCS requested additional subsurface investigation work to further define the extent of TPH in groundwater downgradient of the existing monitor well network. Additional subsurface investigation work conducted in 2001 included the installation of soil borings SB-1a through SB-4a installed in the vicinity of former Tank Farm No. 2 and the installation of soil borings SB-5a through SB-8a located along the downgradient property boundary. After reviewing the results from samples collected from soil borings SB-1a through SB-8a, three additional monitor wells (MW-11 through MW-13) were installed at the site (Figure 2).

During third quarter 2002 groundwater monitoring conducted at the site, an approximate seven-foot free phase product layer was measured in monitor well MW-13. This was the first measurable product layer recorded in this monitor well. Subsequent testing conducted by AC Transit on the hydraulic lift system located in the Tire Shop located near monitor well MW-13, confirmed that one of the hydraulic hoists had leaked. The lift was immediately taken out of service. ACHCS was notified of the release by AC Transit in a letter dated November 6, 2002. On November 13, 2002, removal of the free phase product from monitor well MW-13 was initiated. Product layer removal consisted of pumping the free phase layer from the well on a daily basis. By November 20, 2002 the layer had been reduced to a sheen (< 0.01 feet).

On February 18, 2003, five soil borings (SB-1b through SB-5b) were installed in the vicinity of the Tire Building to assess the extent of the impact of hydraulic oil. At the request of ACHCS a sixth boring (SB-6b) was located downgradient of a 1,000-gallon UST used by the facility's emergency generator. The review of analytical results from samples collected from soil borings SB-1b through SB-5b, resulted in a second investigation focused along Doyle Street, located downgradient of the site. Soil borings SB-7b through SB-12b were installed within Doyle Street to better define the extent of TPH downgradient of the site. At the request of ACHCS, two additional borings SB-13b and SB-14b were installed onsite to sufficient depths to define a sand layer encountered in monitor wells W-1, W-2 and MW-13.

To assess the potential for impacts to sensitive receptors through groundwater, a Well Completion Report Release Agreement was filed with the County of Alameda Public Works Agency. The well completion report provided a listing of all the wells installed within a 1/2-mile radius of the Site. The well completion report found a total of 338 wells, none of which are used for domestic or municipal supply. Based on the current known extent of the groundwater plume, location of facility

buildings, property boundaries and absence of domestic or municipal supply wells, there are no likely exposure pathways to sensitive receptors. Additionally, access to the Site is restricted to authorized personnel making exposure of the general public unlikely.

In August 2006 the ACHCS requested additional subsurface investigation to better define the extent of TPH in soil and groundwater downgradient of MW-13. After lengthy negotiations with the downgradient property owner, seven borings (SB-15 through SB-21) were installed near the Emeryville Business Center located at 4701 Doyle Street in December 2008. Both soil and grab groundwater samples were collected from these boring. Following review of the analytical data from samples collected during soil boring installation, a network of monitor wells were located and installed.

Two new wells, MW-15 and MW-16, were installed on February 19, 2009. While locating utilities prior to drilling activities, an unmarked monitor well was discovered on Doyle Street, adjacent to monitor well MW-13. The well was most likely associated with an inactive Pacific Gas and Electric Company materials facility at 4525 Hollis Street. The Department of Water Resources did not have a well completion form for the unmarked monitor well. A camera was deployed down the well to determine the screened interval and to inspect the condition of the PVC. The well was in good condition and had a total depth of 22.3 feet bgs with a screen to approximately 13 feet bgs. The well construction and location were ideal for monitoring the plume boundary downgradient of the site. In lieu of installing an additional well at the same location, the unmarked well was named MW-14 and incorporated into the AC Transit monitor well network following a telephone conversation and January 15, 2009 email correspondence with Steven Plunkett of ACEHS.