

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

March 2004

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Project No: 2016-1



CAMERON-COLE

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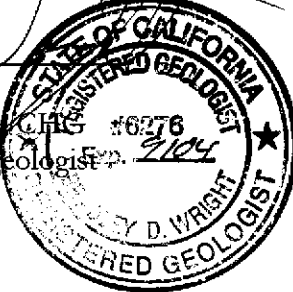
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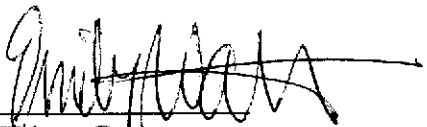

Written By
Emily Waters
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INTRODUCTION

This report presents the results from the February 2004 sampling event for the AC Transit Facility located at 1177 47th Street, Emeryville, California (Site). Groundwater sampling of monitor wells MW-1, MW-2, MW-3, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, and W-1 was conducted in accordance with directives from Alameda County Health Care Services (ACHCS). In a letter dated August 7, 2001, ACHCS requested quarterly groundwater sampling for monitor wells MW-11, MW-12 and MW-13 and semi-annual groundwater sampling of these and other Site monitor wells. AC Transit retained Cameron-Cole to perform this work.

GROUNDWATER MONITORING

Work performed during this sampling event included measuring depth to water in all monitor wells and collecting groundwater samples from monitor wells MW-1, MW-2, MW-3, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12 and W-1. Groundwater samples were analyzed for total extractable petroleum hydrocarbons (TEPH) using Environmental Protection Agency (EPA) Method 8015 Modified and benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary-butyl ether (MTBE) by EPA Method 8021B. Groundwater samples were also analyzed for nitrate as N and sulfate by EPA method 300.0. A groundwater sample was not collected from MW-13 due to the presence of a free phase hydrocarbon layer.

A site map displaying the monitor well locations is presented as Figure 1. Chain-of-custody documents, field data sheets and certified analytical reports are included in Appendix A.

Groundwater Elevations and Flow Direction

On February 10, 2004 all 16 Site monitor wells were inspected and measured for the presence of free phase hydrocarbons and depth to groundwater. Measurements of depths to groundwater are presented on Table 1 and were used to construct the groundwater elevation contours shown in Figure 2. As shown, groundwater flow is to the west at a gradient of 0.027 feet/foot. A free phase hydrocarbon layer measuring 0.88 feet was detected in MW-13.

Groundwater Sampling Activities

The monitor wells were purged a minimum of three casing volumes using a centrifugal pump and samples were collected using disposable polyethylene bailers. During well purging, field parameters for pH, electrical conductivity, DO, ORP, Fe^{+2} and temperature were monitored using calibrated field meters.

Groundwater samples were collected in 40-milliliter glass vials preserved with hydrochloric acid, one-liter non-preserved amber glass containers and 500-milliliter plastic containers 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 8021B.

Groundwater Analytical Results

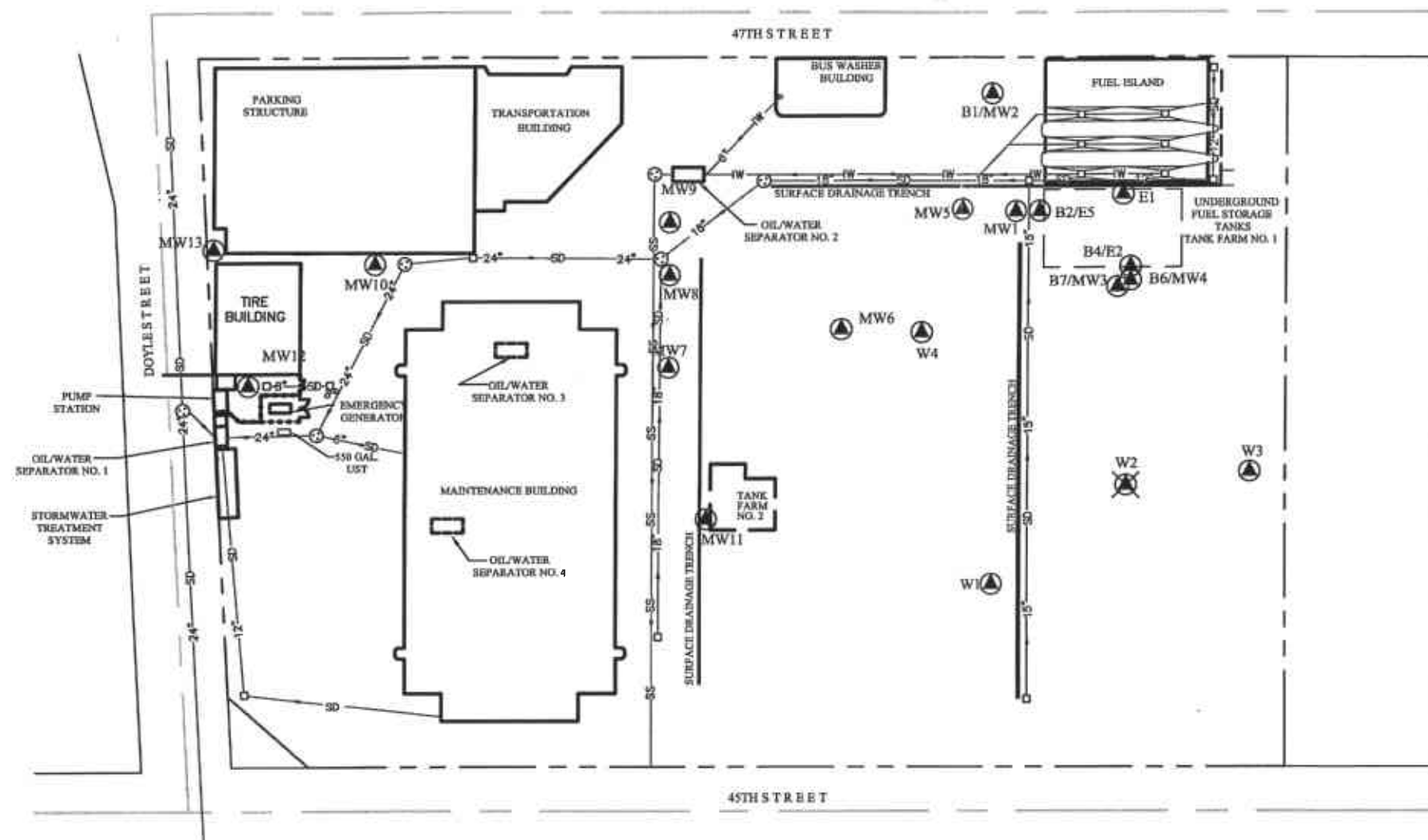
Table 2 presents groundwater analytical results for the February 2004 sampling event. TPH was detected in monitoring wells MW-1, MW-6, MW-7, MW-9 through MW-12 and W-1 at concentrations ranging from 92 to 19,000 parts per billion (ppb). Benzene was detected above the State of California maximum contaminant level (MCL) of 1.0 ppb in monitoring wells MW-6 and W-1. 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

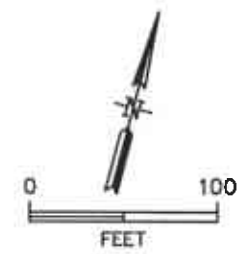
- Groundwater flow is to the west at a gradient of 0.027 feet/foot.
- TPH as degraded diesel was detected in MW-1, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12 and W-1 at 4,800, 19,000, 140, 6,200, 260, 92, 210 and 940 ppb, respectively.
- TPH as degraded gasoline was detected in MW-6, MW-7, MW-9, MW-10, MW-12 and W-1, at 3,500, 690, 250, 190, 490 and 6,000 ppb, respectively.
- Benzene above the MCL of 1.0 ppb was detected in monitoring wells MW-6 and W-1 at 37 and 16 ppb, respectively.

PROJECTED WORK AND RECOMMENDATIONS

- Quarterly groundwater monitoring of monitoring wells MW-11, MW-12 and MW-13 is scheduled for May 2004. This event will include site-wide depth to groundwater level measurements, including inspection of each monitor well for free-phase hydrocarbon.



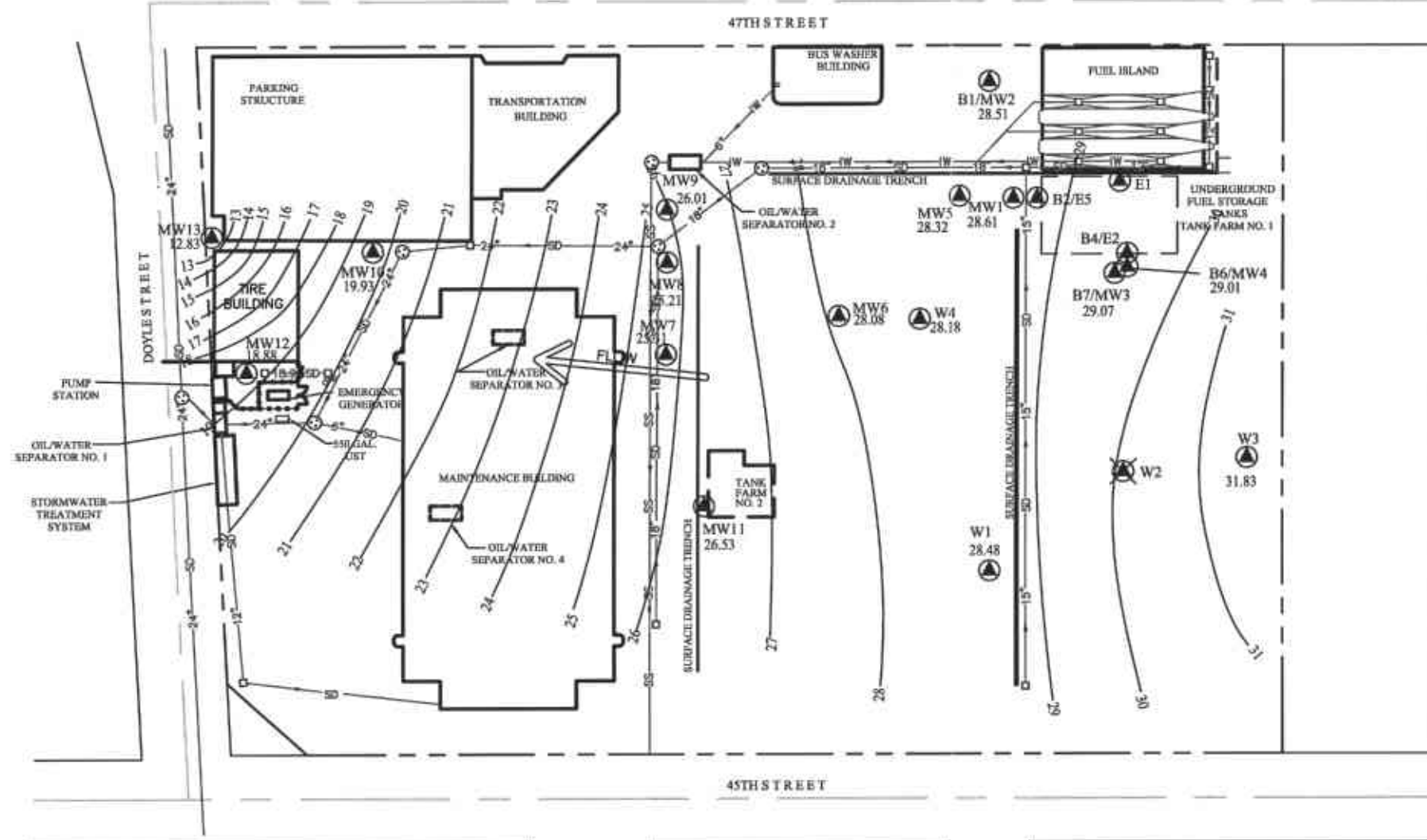
LEGEND	
	MANHOLE
	CATCH BASIN
	MONITORING WELL
	ABANDONED MONITORING WELL
	STORM DRAIN PIPELINE
	SANITARY SEWER PIPELINE
	INDUSTRIAL WASTE PIPELINE
	CHAIN LINK FENCE



BY	DATE
WRB	10/25/02



EMERYVILLE FACILITY - OAKLAND, CALIFORNIA	
FIGURE 1	
AC TRANSIT - MONITORING WELL LOCATION MAP	
SCALE: 1" = 100'	DWG. NO.: 2015-01



SAN PABLO AVENUE

LEGEND	
	MANHOLE
	CATCH BASIN
	MONITORING WELL
	ABANDONED MONITORING WELL
26.53	POTENTIOMETRIC SURFACE ELEVATION
	POTENTIOMETRIC SURFACE CONTOUR
	STORM DRAIN PIPELINE
	SANITARY SEWER PIPELINE
	INDUSTRIAL WASTE PIPELINE
	CHAIN LINK FENCE

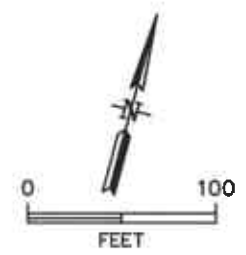


FIGURE 2

BY	DATE
DRAWN WRB	3/5/04
CHECKED	
APPROVED	
APPROVED	



EMERYVILLE FACILITY - OAKLAND, CALIFORNIA	
AC TRANSIT - POTENTIOMETRIC SURFACE MAP	
FEBRUARY 2004	
SCALE: 1" = 100'	DWG. NO.: 2015-18

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

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	DTW (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
	MW-2		8/31/1999	32.12	None	5.24
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

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

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	DTW (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
	MW-4		8/31/1999	34.11	None	6.22
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

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

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	DTW (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
	MW-6		8/31/1999	31.02	None	4.40
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
MW-7		8/31/1999	29.62		None	5.47
	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

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GROUNDWATER LEVEL MEASUREMENTS
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1177 47TH STREET, EMERYVILLE, CALIFORNIA

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	DTW (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
	MW-9		8/31/1999	29.18	None	4.15
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
MW-10		8/31/1999	29.13		None	9.59
	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

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

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	DTW (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		
	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		
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		
	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		

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

Well	Date	Top of Casing Elevation (ft-msl)	Product Thickness (feet)	DTW (feet)	Groundwater Elevation (ft-msl)	Groundwater Elevation Corrected from Product Thickness* (ft-msl)
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					
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
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		

Notes:
* used 0.8 specific gravity of product
ft-msl: feet mean sea level
DTW: Depth to water
NA: not applicable

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 (ppb)		None	None	1.0	150	700	1750	13
MW-1	8/31/1999	310	NA	<1.0	2.4	1	1.6	NA
	11/23/1999	250	NA	<1.0	<1.0	<1.0	<1.0	NA
	3/1/2000	310	62	<1.0	<1.0	<1.0	<2.0	687
	5/17/2000	390	63	<1.0	<1.0	<1.0	<2.0	74
	8/31/2000	180	<50	<1.0	<1.0	<1.0	<2.0	49
	12/18/2000	310	<50	<1.0	<1.0	<1.0	<2.0	44
	3/21/2001	240	<50	<1.0	<1.0	<1.0	<2.0	17
	6/7/2001	540	<50	<1.0	<1.0	<1.0	<2.0	32
	9/20/2001	290	<50	<1.0	<1.0	<1.0	<2.0	29
	2/27/2002	<250	<50	<1.0	<1.0	<1.0	<2.0	14
	9/18/2002	230	<50	<1.0	<1.0	<1.0	<2.0	30
	2/6/2003	82	<50	<0.5	<0.5	<0.5	<1.0	17
	8/26/2003	200	<50	<0.5	<0.5	<0.5	<1.0	9.8
	2/10/2004	4,800	<50	<0.5	<0.5	<0.5	<1.0	6.6
	MW-2	8/31/1999	180	NA	<1.0	<1.0	<1.0	1.2
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
MW-3		8/31/1999	2,700	NA	<1.0	<1.0	<1.0	<1.0
	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
	MW-4	8/31/1999	<50	NA	<1.0	<1.0	<1.0	1.6
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
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	<1.0	87
6/7/2001	600	<50	<1.0	<1.0	<1.0	<2.0	74	

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 (ppb)		None	None	1.0	150	700	1750	13	
MW-6	8/31/1999	140,000	NA	77	18	31	49	NA	
	11/23/1999	6,100	NA	45	14	6.9	48	NA	
	3/1/2000	22,000	2800	6.8	<2.0	<2.0	<10	<5.0	
	5/17/2000	1,800	6200	77	16	39	37	<5.0	
	8/31/2000	76,000	5300	60	13	43	45.7	<5.0	
	12/19/2000	6,300	1300	26.0	4.9	8.4	11.5	<5.0	
	3/21/2001	5,100	1900	49.0	9.5	13	12	<10	
	6/7/2001	14,000	2600	47.0	10	13	19	<10	
	9/21/2001	15,000	4000	180	14	24	40	<50	
	2/27/2002	43,000	5000	68	16	52	41.8	<25	
	9/18/2002	320,000	2000	74	7.3	22	25	<5.0	
	2/6/2003	4,300	2600	63	8.2	18	15	<1.0	
	8/26/2003	68,000	6500	110	16	44	42	<10	
	2/10/2004	19,000	3500	37	4.9	24	15	<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	
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	
	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		

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 (ppb)		None	None	1.0	150	700	1750	13
MW-10	8/31/1999	1,100	NA	<1.0	1.2	2.0	<1.0	NA
	11/23/1999	1,200	NA	<1.0	<1.0	<1.0	<1.0	NA
	3/1/2000	1,300	540	<1.0	<1.0	<1.0	<2.0	NA
	5/17/2000	990	460	<1.0	<1.0	<1.0	<2.0	6.9
	8/31/2000	840	320	<1.0	<1.0	<1.0	<2.0	25
	12/18/2000	900	290	<1.0	<1.0	<1.0	<2.0	<9.0
	3/21/2001	620	220	<1.0	<1.0	<1.0	<2.0	<5.0
	6/7/2001	1,300	360	<1.0	<1.0	<1.0	<2.0	15
	9/20/2001	1,000	350	<1.0	<1.0	<1.0	<2.0	44
	2/27/2002	610	150	<1.0	<1.0	<1.0	<2.0	<5.0
	9/18/2002	850	240	<1.0	1.2	<1.0	<2.0	20
	2/6/2003	510	200	<0.5	<0.5	<0.5	<1.0	2.8
	8/26/2003	1,100	250	<0.5	<0.5	<0.5	<1.0	14
	2/10/2004	260	190	<0.5	<0.5	<0.5	<1.0	1.6
	MW-11	9/20/2001	460	88	<1.0	<1.0	<1.0	<2.0
12/14/2002		320	<50	<1.0	<1.0	<1.0	<2.0	<5.0
2/27/2002		<50	<50	<1.0	<1.0	<1.0	<2.0	<5.0
5/16/2002		380	<50	<1.0	<1.0	<1.0	<2.0	<5.0
9/18/2002		250	<50	<1.0	<1.0	<1.0	<2.0	<5.0
10/30/2002		260	<50	<0.5	<0.5	<0.5	<1.5	<2.5
2/6/2003		250	<50	<0.5	<0.5	<0.5	<1.0	<1.0
5/1/2003		220	<50	<0.5	<0.5	<0.5	<1.0	<1.0
8/26/2003		300	<50	<0.5	<0.5	<0.5	<1.0	<1.0
11/20/2003		77	<50	<0.5	<0.5	<0.5	<1.0	<1.0
2/10/2004	92	<50	<0.5	<0.5	<0.5	<1.0	<1.0	
MW-12	9/20/2001	540	960	<1.0	<1.0	<2.0	<5.0	11
	12/14/2002	170	670	<1.0	<1.0	<1.0	<2.0	9.4
	2/27/2002	350	950	<1.0	<1.0	<1.0	<2.0	11
	5/16/2002	500	1100	<1.0	<1.0	<1.0	<2.0	6.7
	9/18/2002	1,600	570	<1.0	<1.0	<1.0	<3.0	7.1
	10/30/2002	440	420	<0.5	<0.5	<0.5	<1.5	<2.5
	2/6/2003	190	340	<0.5	<0.5	<0.5	<1.0	6.8
	5/1/2003	580	950	<2.5	<2.5	3.7	9.0	8.8
	8/26/2003	110	260	<0.5	<0.5	<0.5	<1.0	11
	11/20/2003	100	160	<0.5	<0.5	<0.5	<1.0	8.9
2/10/2004	210	490	<0.5	0.58	<0.5	<1.0	6.7	
MW-13	9/21/2001	<250	<50	<1.0	<1.0	<1.0	<2.0	7.4
	12/14/2002	160	<50	<1.0	<1.0	<1.0	<2.0	11
	2/27/2002	1,100	450	<1.0	<5.0	<1.0	<2.0	9.9
W-1	5/16/2002	520	150	<1.0	<1.0	<1.0	<2.0	8.7
	3/2/2000	1,800	3400	20.0	5.3	30	23.8	<5.0
	5/17/2000	1,100	7300	35.0	11	59	45	<1.0
	8/31/2000	2,200	6200	20.0	7.9	36	38.2	<10
	12/19/2000	1,700	5600	20.0	8.4	30	35.6	<5.0
	3/20/2001	2,100	7200	32.0	13	56	40	<10
	6/7/2001	2,100	7300	26.0	18	42	38.3	<10
	9/21/2001	1,800	7100	27	<10	48	40	<10
	2/27/2002	1,800	7100	24	9	52	34	<25
	2/6/2003	990	5300	11	4.7	27	24	<1.0
	8/26/2003	1,700	5800	7.5	5.4	24	25	<10
2/10/2004	940	6000	16.0	4.9	20	21	<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 (ppb)		None	None	1.0	150	700	1750	13
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
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
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

Notes:

ppb: parts per billion

TPH: Total Petroleum Hydrocarbons

MTBE: methyl tert butylether

MCL: Maximum Contaminant Level

NA: not analyzed

APPENDIX A

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

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

March 03, 2004

Brad Wright
Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501

Order: 37799	Date Collected: 2/11/2004
Project Name: ACTransit	Date Received: 2/11/2004
Project Number: 2016	P.O. Number: 2016
Project Notes: Reissued for 8260B analysis - for correct analyte list.	

On February 11, 2004, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	EPA 8021B by EPA 8260B	EPA 8260B

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,



Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/17/04
Date Received: 2/11/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016
Sampled By: Client

Certified Analytical Report

Order ID: 37799 Lab Sample ID: 37799-001 Client Sample ID: MW-7
Sample Time: 12:15 PM Sample Date: 2/11/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	690	x	1	50	50	µg/L	N/A	2/13/04	WGC63062	EPA 8015 MOD. (Purgeable)
							Surrogate	Surrogate Recovery		Control Limits (%)
							4-Bromofluorobenzene	121.2		65 - 135

Comment: Reported TPH as Gasoline value is the atypical Gasoline pattern within the TPH as Gasolina quantitation range.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyst

mw 2/17/04

Date

Supervisor

YM 2/24/04

Date

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Cameron-Cole
 101 W. Atlantic Ave., Bldg#90
 Alameda, CA 94501
 Attn: Brad Wright

Date: 2/17/04
 Date Received: 2/11/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016
 Sampled By: Client

Certified Analytical Report

Order ID: 37799 Lab Sample ID: 37799-002 Client Sample ID: MW-2
 Sample Time: 1:10 PM Sample Date: 2/11/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	2/13/04	WGC63062	BPA 8015 MOD. (Purgeable)
							Surrogate	Surrogate Recovery		Control Limits (%)
							4-Bromofluorobenzene	77.5		65 - 135

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Handwritten signature and date: 2/19/04

Analyst: *ML* Date: 02/17/2004

Supervisor: _____ Date: / /

Entech Analytical Labs, Inc.

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Cameron-Cole
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Alameda, CA 94501
Attn: Brad Wright

Date: 2/17/04
Date Received: 2/11/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016
Sampled By: Client

Certified Analytical Report

Order ID: 37799 Lab Sample ID: 37799-003 Client Sample ID: MW-3
Sample Time: 2:10 PM Sample Date: 2/11/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	2/13/04	WGC63062	EPA 8015 MOD. (Purgeable)
						Surrogate		Surrogate Recovery		Control Limits (%)
						4-Bromofluorobenzene		75.9		65 - 135

Comment:

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit
Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

SC 2/19/04

WRC 2/17/04 _____ 1/1
Analyst Date Supervisor Date

Entech Analytical Labs, Inc.

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Cameron-Cole
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 Alameda, CA 94501
 Attn: Brad Wright

Date: 2/24/04
 Date Received: 2/11/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016
 Sampled By: Client

Certified Analytical Report

Order ID: 37799 Lab Sample ID: 37799-001 Client Sample ID: MW-7
 Sample Time: 12:15 PM Sample Date: 2/11/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	140	x	1	50	50	µg/L	2/13/04	2/13/04	DW4701A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery		Control Limits (%)	
							79		16 - 137	

Comment: Reported TPH-Diesel value is the result of possible gasoline compounds and overlapping Hydraulic Oil into the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	2/13/04	2/13/04	DW4701A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl	Surrogate Recovery		Control Limits (%)	
							79		65 - 135	

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346) Analyzed by: JZ Reviewed by: Jm

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Date: 2/17/04
 Date Received: 2/11/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016
 Sampled By: Client

Certified Analytical Report

Order ID: 37799 Lab Sample ID: 37799-002 Client Sample ID: MW-2
 Sample Time: 1:10 PM Sample Date: 2/11/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	2/13/04	2/18/04	DW4701A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 68		Control Limits (%) 16 - 137

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	2/13/04	2/18/04	DW4701A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 68		Control Limits (%) 65 - 135

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: JZ

Reviewed by: Ym

Entech Analytical Labs, Inc.

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Date: 2/24/04
 Date Received: 2/11/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016
 Sampled By: Client

Certified Analytical Report

Order ID: 37799	Lab Sample ID: 37799-003	Client Sample ID: MW-3
Sample Time: 2:10 PM	Sample Date: 2/11/04	Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	ND		1	50	50	µg/L	2/13/04	2/13/04	DW4701A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 94		Control Limits (%) 16 - 137

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	2/13/04	2/13/04	DW4701A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 94		Control Limits (%) 65 - 135

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346) Analyzed by: JZ Reviewed by: Ym

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Date: 2/24/04
 Date Received: 2/11/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016
 Sampled By: Client

Certified Analytical Report

Order ID: 37799		Lab Sample ID: 37799-001				Client Sample ID: MW-7			
Sample Time: 12:15 PM		Sample Date: 2/11/04				Matrix: Liquid			
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	ND	1	0.2	0.2	mg/L	N/A	2/11/04	WIC040211	EPA 300.0
Sulfate	2.2	1	0.5	0.5	mg/L	N/A	2/11/04	WIC040211	EPA 300.0

Order ID: 37799		Lab Sample ID: 37799-002				Client Sample ID: MW-2			
Sample Time: 1:10 PM		Sample Date: 2/11/04				Matrix: Liquid			
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	1.2	1	0.2	0.2	mg/L	N/A	2/11/04	WIC040211	EPA 300.0
Sulfate	45	1	0.5	0.5	mg/L	N/A	2/11/04	WIC040211	EPA 300.0

Order ID: 37799		Lab Sample ID: 37799-003				Client Sample ID: MW-3			
Sample Time: 2:10 PM		Sample Date: 2/11/04				Matrix: Liquid			
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	4.0	1	0.2	0.2	mg/L	N/A	2/11/04	WIC040211	EPA 300.0
Sulfate	57	5	0.5	2.5	mg/L	N/A	2/16/04	WIC040211	EPA 300.0

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit
 Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Tom Quip 2/24/04
 Analyst Date

ym 2/24/04
 Supervisor Date

Entech Analytical Labs, Inc.

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Date: 2/24/2004
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Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016
Sampled By: Client

Certified Analytical Report

Order ID: 37799

Lab Sample ID: 37799-001

Client Sample ID: MW-7

Sample Time: 12:15 PM

Sample Date: 2/11/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
Ethyl Benzene	0.57		1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
Methyl-t-butyl Ether	1.1		1	1	1	µg/L	2/23/2004	WMS110534	EPA 8260B
Toluene	1.9		1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
Xylenes, Total	1.0		1	1	1	µg/L	2/23/2004	WMS110534	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	127.0	64 - 125
Dibromofluoromethane	114.0	23 - 172
Toluene-d8	128.0	70 - 134

Comment: Surrogate outside of control limit due to matrix interference.

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: [Signature]

Reviewed by: MCS

Order ID: 37799

Lab Sample ID: 37799-002

Client Sample ID: MW-2

Sample Time: 1:10 PM

Sample Date: 2/11/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	2/20/2004	WMS110533	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	2/20/2004	WMS110533	EPA 8260B
Methyl-t-butyl Ether	5.2		1	1	1	µg/L	2/20/2004	WMS110533	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	2/20/2004	WMS110533	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	2/20/2004	WMS110533	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	108.0	64 - 125
Dibromofluoromethane	161.0	23 - 172
Toluene-d8	127.0	70 - 134

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: [Signature]

Reviewed by: MCS

ND = Not Detected at or above the PQL

DF = Dilution Factor

PQL = Practical Quantitation Limit (No Dilution)

PQLR = Practical Quantitation Limit for Reporting (Includes Dilution)

Entech Analytical Labs, Inc.

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Cameron-Cole
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Alameda, CA 94501
Attn: Brad Wright

Date: 2/24/2004
Date Received: 2/11/2004
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016
Sampled By: Client

Certified Analytical Report

Order ID: 37799

Lab Sample ID: 37799-003

Client Sample ID: MW-3

Sample Time: 2:10 PM

Sample Date: 2/11/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	2/20/2004	WMS110533	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	2/20/2004	WMS110533	EPA 8260B
Methyl-t-butyl Ether	3.4		1	1	1	µg/L	2/20/2004	WMS110533	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	2/20/2004	WMS110533	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	2/20/2004	WMS110533	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	113.0	64 - 125
Dibromofluoromethane	155.0	23 - 172
Toluene-d8	128.0	70 - 134

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by:

Reviewed by:

ND = Not Detected at or above the PQL

DF = Dilution Factor

PQL = Practical Quantitation Limit (No Dilution)

PQLR = Practical Quantitation Limit for Reporting (Includes Dilution)

Quality Control Results Summary

QC Batch #: WIC040211
Matrix: Liquid

Units: mg/L
Date Analyzed: 2/11/04

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: Nitrate as N Nitrate as N	EPA 300.0	ND		2.26		2.4	LCS	106.2			80.0 - 120.0
Test: Sulfate Sulfate	EPA 300.0	ND		15		15.5	LCS	103.3			80.0 - 120.0

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Quality Control Results Summary

QC Batch #: WGC63062

Matrix: Liquid

Units: µg/L

Date Analyzed: 2/13/2004

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		250.		225.78	LCS	90.3			65 - 135
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		81.2		65 - 135							
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		250.		230.83	LCSD	92.3	0.0	25	65 - 135
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		80.6		65 - 135							

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Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: Liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	TPH as Gasoline	ND	1	50	50	µg/L	2/13/2004	WGC63062	EPA 8015 MOD. (Purgeable)
Surrogate	Surrogate Recovery	Control Limits (%)							
4-Bromofluorobenzene	75.8	65 - 135							


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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Quality Control Results Summary

QC Batch #: DW4701A

Matrix: Liquid

Units: µg/L

Date Analyzed: 2/13/2004

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		1000.		849.9	LCS	85.0			29 - 130
		Surrogate		Surrogate Recovery		Control Limits (%)					
		o-Terphenyl		106.0		16 - 137					
Test: TPH as Diesel											
TPH as Diesel	EPA 8015 M	ND		1000.		850.3	LCSD	85.0	0.0	25	29 - 130
		Surrogate		Surrogate Recovery		Control Limits (%)					
		o-Terphenyl		98.0		16 - 137					

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Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
TPH as Diesel	TPH as Diesel	ND	1	50	50	µg/L	2/13/2004	DW4701A	EPA 8015 MOD. (Extractable)
	Surrogate o-Terphenyl	Surrogate Recovery 103.0		Control Limits (%) 16 - 137					


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

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Quality Control Results Summary

QC Batch #: WMS110533

Matrix: Liquid

Units: µg/L

Date Analyzed: 2/20/2004

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		20.		13.5	LCS	67.5			60 - 132
Benzene	EPA 8260B	ND		20.		24.6	LCS	123.0			77 - 154
Chlorobenzene	EPA 8260B	ND		20.		18.7	LCS	93.5			66 - 141
Methyl-t-butyl Ether	EPA 8260B	ND		20.		13.7	LCS	68.5			58 - 127
Toluene	EPA 8260B	ND		20.		20.5	LCS	102.5			47 - 137
Trichloroethene	EPA 8260B	ND		20.		18.1	LCS	90.5			57 - 159

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.4	64 - 125
Dibromofluoromethane	66.9	23 - 172
Toluene-d8	95.0	70 - 134

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		20.		12.3	LCSD	61.5	9.3	25	60 - 132
Benzene	EPA 8260B	ND		20.		27.8	LCSD	139.0	12.2	25	77 - 154
Chlorobenzene	EPA 8260B	ND		20.		21.1	LCSD	105.5	12.1	25	66 - 141
Methyl-t-butyl Ether	EPA 8260B	ND		20.		14.6	LCSD	73.0	6.4	25	58 - 127
Toluene	EPA 8260B	ND		20.		20.5	LCSD	102.5	0.0	25	47 - 137
Trichloroethene	EPA 8260B	ND		20.		21.9	LCSD	109.5	19.0	25	57 - 159

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	83.7	64 - 125
Dibromofluoromethane	62.7	23 - 172
Toluene-d8	79.1	70 - 134

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Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: Liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
EPA 8260B (MDLs)	1,1,1,2-Tetrachloroethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,1,1-Trichloroethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,1,2,2-Tetrachloroethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,1,2-Trichloroethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,1-Dichloroethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,1-Dichloroethene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,1-Dichloropropene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,2,3-Trichlorobenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,2,3-Trichloropropane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,2,4-Trichlorobenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,2,4-Trimethylbenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,2-Dibromo-3-Chloropropane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,2-Dibromoethane (EDB)	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,2-Dichlorobenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,2-Dichloroethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,2-Dichloropropane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,3,5-Trimethylbenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,3-Dichlorobenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,3-Dichloropropane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	1,4-Dichlorobenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	2,2-Dichloropropane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	2-Butanone (MEK)	ND	1	20	20	µg/L	2/20/2004	WMS110533	EPA 8260B
	2-Chloroethyl-vinyl Ether	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	2-Chlorotoluene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	2-Hexanone	ND	1	20	20	µg/L	2/20/2004	WMS110533	EPA 8260B
	4-Chlorotoluene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	4-Methyl-2-Pentanone(MIBK)	ND	1	20	20	µg/L	2/20/2004	WMS110533	EPA 8260B
	Acetone	ND	1	100	100	µg/L	2/20/2004	WMS110533	EPA 8260B
	Benzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Benzyl Chloride	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Bromobenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Bromochloromethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Bromodichloromethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Bromoform	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Bromomethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Carbon Disulfide	ND	1	15	15	µg/L	2/20/2004	WMS110533	EPA 8260B
	Carbon Tetrachloride	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Chlorobenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: Liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
EPA 8260B (MDLs)	Chloroethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Chloroform	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Chloromethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	cis-1,2-Dichloroethene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	cis-1,3-Dichloropropene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Dibromochloromethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Dibromomethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Dichlorodifluoromethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Diisopropyl Ether	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Ethyl Benzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Freon 113	ND	1	10	10	µg/L	2/20/2004	WMS110533	EPA 8260B
	Hexachlorobutadiene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Isopropanol	ND	1	100	100	µg/L	2/20/2004	WMS110533	EPA 8260B
	Isopropylbenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Methyl-t-butyl Ether	ND	1	1	1	µg/L	2/20/2004	WMS110533	EPA 8260B
	Methylene Chloride	ND	1	20	20	µg/L	2/20/2004	WMS110533	EPA 8260B
	n-Butylbenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	n-Propylbenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Naphthalene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	p-Isopropyltoluene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	sec-Butylbenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Styrene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	tert-Amyl Methyl Ether	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	tert-Butanol	ND	1	20	20	µg/L	2/20/2004	WMS110533	EPA 8260B
	tert-Butanol (TBA)	ND	1	10	10	µg/L	2/20/2004	WMS110533	EPA 8260B
	tert-Butyl Ethyl Ether	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	tert-Butylbenzene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Tetrachloroethene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Tetrahydrofuran	ND	1	20	20	µg/L	2/20/2004	WMS110533	EPA 8260B
	Toluene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	trans-1,2-Dichloroethene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	trans-1,3-Dichloropropene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Trichloroethene	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
	Trichlorofluoromethane	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B
Vinyl Chloride	ND	1	0.5	0.5	µg/L	2/20/2004	WMS110533	EPA 8260B	
Xylenes, Total	ND	1	5	5	µg/L	2/20/2004	WMS110533	EPA 8260B	

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: Liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
	Surrogate	Surrogate Recovery		Control Limits (%)					
	4-Bromofluorobenzene	102.0		64	- 125				
	Dibromofluoromethane	152.0		23	- 172				
	Toluene-d8	126.0		70	- 134				

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Patti Sandrock, QA/QC Manager

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Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Quality Control Results Summary

QC Batch #: WMS110534

Matrix: Liquid

Units: µg/L

Date Analyzed: 2/23/2004

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		20.		13.9	LCS	69.5			60 - 132
Benzene	EPA 8260B	ND		20.		27.1	LCS	135.5			77 - 154
Chlorobenzene	EPA 8260B	ND		20.		20.1	LCS	100.5			66 - 141
Methyl-t-butyl Ether	EPA 8260B	ND		20.		16.3	LCS	81.5			58 - 127
Toluene	EPA 8260B	ND		20.		20.1	LCS	100.5			47 - 137
Trichloroethene	EPA 8260B	ND		20.		20.	LCS	100.0			57 - 159

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.7	64 - 125
Dibromofluoromethane	69.0	23 - 172
Toluene-d8	85.5	70 - 134

Test: EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		20.		13.5	LCSD	67.5	2.9	25	60 - 132
Benzene	EPA 8260B	ND		20.		26.1	LCSD	130.5	3.8	25	77 - 154
Chlorobenzene	EPA 8260B	ND		20.		19.	LCSD	95.0	5.6	25	66 - 141
Methyl-t-butyl Ether	EPA 8260B	ND		20.		15.8	LCSD	79.0	3.1	25	58 - 127
Toluene	EPA 8260B	ND		20.		19.6	LCSD	98.0	2.5	25	47 - 137
Trichloroethene	EPA 8260B	ND		20.		19.2	LCSD	96.0	4.1	25	57 - 159

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.3	64 - 125
Dibromofluoromethane	67.8	23 - 172
Toluene-d8	87.9	70 - 134

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: Liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
EPA 8260B	1,1,1,2-Tetrachloroethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,1,1-Trichloroethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,1,2,2-Tetrachloroethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,1,2-Trichloroethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,1-Dichloroethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,1-Dichloroethene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,1-Dichloropropene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,2,3-Trichlorobenzene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,2,3-Trichloropropane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,2,4-Trichlorobenzene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,2,4-Trimethylbenzene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,2-Dibromo-3-Chloropropane	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,2-Dibromoethane (EDB)	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,2-Dichlorobenzene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,2-Dichloroethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,2-Dichloropropane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,3,5-Trimethylbenzene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,3-Dichlorobenzene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,3-Dichloropropane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,4-Dichlorobenzene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	1,4-Dioxane	ND	1	50	50	µg/L	2/23/2004	WMS110534	EPA 8260B
	2,2-Dichloropropane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	2-Butanone (MEK)	ND	1	20	20	µg/L	2/23/2004	WMS110534	EPA 8260B
	2-Chloroethyl-vinyl Ether	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	2-Chlorotoluene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	2-Hexanone	ND	1	20	20	µg/L	2/23/2004	WMS110534	EPA 8260B
	4-Chlorotoluene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	4-Methyl-2-Pentanone(MIBK)	ND	1	20	20	µg/L	2/23/2004	WMS110534	EPA 8260B
	Acetone	ND	1	20	20	µg/L	2/23/2004	WMS110534	EPA 8260B
	Acetonitrile	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Acrolein	ND	1	1	1	µg/L	2/23/2004	WMS110534	EPA 8260B
	Acrylonitrile	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Benzene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Bromobenzene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Bromochloromethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Bromodichloromethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Bromoform	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Bromomethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B

DF = Dilution Factor

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: Liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
EPA 8260B	Carbon Disulfide	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Carbon Tetrachloride	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Chlorobenzene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Chloroethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Chloroform	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Chloromethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	cis-1,2-Dichloroethene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	cis-1,3-Dichloropropene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Cyclohexanone	ND	1	20	20	µg/L	2/23/2004	WMS110534	EPA 8260B
	Dibromochloromethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Dibromomethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Dichlorodifluoromethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Diisopropyl Ether	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Ethyl Benzene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Freon 113	ND	1	1	1	µg/L	2/23/2004	WMS110534	EPA 8260B
	Hexachlorobutadiene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Iodomethane	ND	1	1	1	µg/L	2/23/2004	WMS110534	EPA 8260B
	Isopropanol	ND	1	20	20	µg/L	2/23/2004	WMS110534	EPA 8260B
	Isopropylbenzene	ND	1	1	1	µg/L	2/23/2004	WMS110534	EPA 8260B
	Methyl-t-butyl Ether	ND	1	1	1	µg/L	2/23/2004	WMS110534	EPA 8260B
	Methylene Chloride	ND	1	20	20	µg/L	2/23/2004	WMS110534	EPA 8260B
	n-Butylbenzene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	n-Propylbenzene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Naphthalene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	p-Isopropyltoluene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Pentachloroethane	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	sec-Butylbenzene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Styrene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	tert-Amyl Methyl Ether	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	tert-Butanol (TBA)	ND	1	10	10	µg/L	2/23/2004	WMS110534	EPA 8260B
	tert-Butyl Ethyl Ether	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	tert-Butylbenzene	ND	1	5	5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Tetrachloroethene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Tetrahydrofuran	ND	1	20	20	µg/L	2/23/2004	WMS110534	EPA 8260B
	Toluene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	trans-1,2-Dichloroethene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	trans-1,3-Dichloropropene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	trans-1,4-Dichloro-2-butene	ND	1	1	1	µg/L	2/23/2004	WMS110534	EPA 8260B

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

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Environmental Analysis Since 1983

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Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: Liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
EPA 8260B	Trichloroethene	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Trichlorofluoromethane	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Vinyl Chloride	ND	1	0.5	0.5	µg/L	2/23/2004	WMS110534	EPA 8260B
	Xylenes, Total	ND	1	1	1	µg/L	2/23/2004	WMS110534	EPA 8260B
	Surrogate	Surrogate Recovery		Control Limits (%)					
	4-Bromofluorobenzene	108.0		64 - 125					
	Dibromofluoromethane	144.0		23 - 172					
	Toluene-d8	130.0		70 - 134					

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Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

UM

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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Entech Analytical Labs, Inc.

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STANDARD LAB QUALIFIERS (FLAGS)

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier (Flag)	Description
U	Compound was analyzed for but not detected
J	Estimated value only. Either the compound is tentatively identified or the result is below the PQL but above the MDL. Reported with one significant figure.
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel
Y	PQL is reported below MDL but verified against a standard analyzed at the client requested reporting limit of 0.5 ppb
C	Reported results affected by contaminated reagent materials. See narrative for further explanation
L	Possible laboratory contamination from MeCl ₂ but no evidence of contamination in Method Blank associated with reported QC Batch.

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to: <i>Brad Wright</i>	Phone No.: <i>(510) 769-3563</i>	Purchase Order No.:	Invoice to: (If Different)	Phone:
Company Name: <i>Cameron-Cole LLC</i>	Fax No.: <i>(510) 337-3994</i>	Project No.: <i>2016</i>	Company:	
Mailing Address: <i>101 W. Atlantic Ave Bldg #50</i>	Email Address:	Project Name: <i>AC Transit</i>	Billing Address: (If Different)	
City: <i>Alameda</i>	State: <i>Ca</i>	Zip Code: <i>94501</i>	Project Location: <i>Emeryville, Ca</i>	City: State: Zip:

Sampler: <i>YMD</i>	Field Org. Code:	Turn Around Time <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 6-10 Day (std)
Global ID:		

Order ID:	Sample	Matrix	Composite	Grab	Containers
-----------	--------	--------	-----------	------	------------

Client ID / Field Point	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative (HCl)	Volatile Organics by GC/MS: 824 <input type="checkbox"/> 8010 by 8280 <input type="checkbox"/> MIBK by 8260 <input type="checkbox"/> EthylMeth 8280B <input type="checkbox"/> TPH as Gas 87E <input type="checkbox"/> Gas by GC/MS <input type="checkbox"/> Diesel <input type="checkbox"/> w/ 87E <input type="checkbox"/> Motor Oil <input type="checkbox"/> w/ 87E <input type="checkbox"/>	Fuel Scan <input type="checkbox"/> w/ Seal Standard Cleanup <input type="checkbox"/> Base/Neutral/Acid Organics <input type="checkbox"/> 8270 <input type="checkbox"/> 8270-SIM <input type="checkbox"/> Purgable <input type="checkbox"/>	Pesticides-0081 <input type="checkbox"/> PAH <input type="checkbox"/>	PH <input type="checkbox"/> TSS <input type="checkbox"/> SC <input type="checkbox"/> TOC <input type="checkbox"/>	TRPH <input type="checkbox"/> Oil & Grease <input type="checkbox"/>	*CN-9-Phenols-9 Nitrate/Sulfate <input type="checkbox"/> Anions: F <input type="checkbox"/> Cl <input type="checkbox"/> Br <input type="checkbox"/> SO4 <input type="checkbox"/> NO3 <input type="checkbox"/> Perchlorate <input type="checkbox"/>	TPH-GAS Metals: Circle Below Total <input type="checkbox"/> Dissolved <input type="checkbox"/>	STLC <input type="checkbox"/> TCLP <input type="checkbox"/>	TO-14 <input type="checkbox"/> TO-15 <input type="checkbox"/> (Tedlar Bag Only)	Remarks
MW-7		2/11/04	1215	W		X	3	X										37799-001
↓							2	X										
↓							1											
MW-2			1310				3	X				X						-002
↓							3	X										
↓							2											
MW-3			1410				3	X				X						-003
↓							3	X										
↓							2											
↓							1						X					

Relinquished by: <i>Mark O'P</i>	Received by: <i>[Signature]</i>	Date: <i>2/11/04</i>	Time: <i>4:41</i>
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

Special Instructions or Comments

EDD Report PDF Report
 EDF Report
 NPDES Detection Limits

Semi-Conductor Metals: Bi, Ce, Cs, Ga, Ge, In, Li, P, S, Ta, Te, Zr
Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Ti, Sn, Tl, Zn, V, W

LUFT-5 RCRA-8
 PPM-13 CAM-17

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

February 24, 2004

Brad Wright
Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501

Order: 37782
Project Name: ACTransit
Project Number: 2016
Project Notes:

Date Collected: 2/10/2004
Date Received: 2/10/2004
P.O. Number: 2016 - Emeryville

On February 10, 2004, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	BTEX+MTBE by EPA 8260B	EPA 8260B
	EDD	EDD
	Nitrate as N	EPA 300.0
	PDF	PDF
	Sulfate by IC	EPA 300.0
	TPH as Diesel	EPA 8015 MOD. (Extractable)
	TPH as Gasoline	EPA 8015 MOD. (Purgeable)
	TPH as Motor Oil	EPA 8015 MOD. (Extractable)

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-588-0200.

Sincerely,


Patti Sandfock
QA/QC Manager

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Cameron-Cole
 101 W. Atlantic Ave., Bldg#90
 Alameda, CA 94501
 Attn: Brad Wright

Date: 2/24/04
 Date Received: 2/10/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782		Lab Sample ID: 37782-001			Client Sample ID: MW-12				
Sample Time: 2:50 PM		Sample Date: 2/10/04			Matrix: Liquid				
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	ND	1	0.2	0.2	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0
Sulfate	2.7	1	0.5	0.5	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0

Order ID: 37782		Lab Sample ID: 37782-002			Client Sample ID: W-1				
Sample Time: 2:40 PM		Sample Date: 2/10/04			Matrix: Liquid				
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	ND	1	0.2	0.2	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0
Sulfate	ND	1	0.5	0.5	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0

Order ID: 37782		Lab Sample ID: 37782-003			Client Sample ID: WM-11				
Sample Time: 1:05 PM		Sample Date: 2/10/04			Matrix: Liquid				
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	ND	1	0.2	0.2	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0
Sulfate	39	1	0.5	0.5	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0

Order ID: 37782		Lab Sample ID: 37782-004			Client Sample ID: MW-6				
Sample Time: 2:00 PM		Sample Date: 2/10/04			Matrix: Liquid				
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	ND	1	0.2	0.2	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0
Sulfate	11	1	0.5	0.5	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit
 Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

DM Queja 2/24/04
 Analyst Date

YM 2/24/04
 Supervisor Date

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/24/04
Date Received: 2/10/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782	Lab Sample ID: 37782-005	Client Sample ID: MW-9							
Sample Time: 3:10 PM	Sample Date: 2/10/04	Matrix: Liquid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	ND	1	0.2	0.2	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0
Sulfate	26	1	0.5	0.5	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0

Order ID: 37782	Lab Sample ID: 37782-006	Client Sample ID: MW-10							
Sample Time: 11:55 AM	Sample Date: 2/10/04	Matrix: Liquid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	ND	1	0.2	0.2	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0
Sulfate	ND	1	0.5	0.5	mg/L	N/A	2/10/04	WIC040209B	EPA 300.0

Order ID: 37782	Lab Sample ID: 37782-007	Client Sample ID: MW-1							
Sample Time: 3:00 PM	Sample Date: 2/10/04	Matrix: Liquid							
Parameter	Result	DF	PQL	DLR	Units	PrepDate	Analysis Date	QC Batch ID	Method
Nitrate as N	ND	1	0.2	0.2	mg/L	N/A	2/24/04	WIC040209B	EPA 300.0
Sulfate	47	1	0.5	0.5	mg/L	N/A	2/24/04	WIC040209B	EPA 300.0

DI = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

DMW 2/24/04
Analyst Date

YM 2/24/04
Supervisor Date

Entech Analytical Labs, Inc.

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Cameron-Cole

101 W. Atlantic Ave., Bldg#90

Alameda, CA 94501

Attn: Brad Wright

Date: 2/23/2004

Date Received: 2/10/2004

Project Name: ACTransit

Project Number: 2016

P.O. Number: 2016 - Emeryville

Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-001

Client Sample ID: MW-12

Sample Time: 2:50 PM

Sample Date: 2/10/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Methyl-t-butyl Ether	6.7		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B
Toluene	0.58		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

96.1

64 - 126

Dibromofluoromethane

103.2

23 - 172

Toluene-d8

95.4

70 - 134

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: 

Reviewed by: 

Entech Analytical Labs, Inc.

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Cameron-Cole
101 W. Atlantic Ave., Bldg#90
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Attn: Brad Wright

Date: 2/12/04
Date Received: 2/10/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782 Lab Sample ID: 37782-001 Client Sample ID: MW-12
Sample Time: 2:50 PM Sample Date: 2/10/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	490	x	1	50	50	µg/L	N/A	2/11/04	WGC43060	EPA 8015 MOD. (Purgeable)
							Surrogate	Surrogate Recovery		Control Limits (%)
							4-Bromofluorobenzene	341.4		65 - 135

Comment: TPH as Gasoline value is atypical gasoline pattern within the TPH as Gasoline quantitation range .High surrogate recovery for 4-BFB due to matrix interference.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

 IC 2/12/04 *ilrc* 02/12/04
Analyst Date Supervisor Date

Entech Analytical Labs, Inc.

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Cameron-Cole
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Date: 2/12/04
 Date Received: 2/10/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782 Lab Sample ID: 37782-001 Client Sample ID: MW-12
 Sample Time: 2:50 PM Sample Date: 2/10/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	210	x	1	50	50	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 71		Control Limits (%) 16 - 137

Comment: Not a TPH-Diesel pattern; value due to possible gasoline compounds and an unknown hydrocarbon (C12-C36) in the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 71		Control Limits (%) 65 - 135

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346) Analyzed by: JZ Reviewed by: uk

Entech Analytical Labs, Inc.

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Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/23/2004
Date Received: 2/10/2004
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-002

Client Sample ID: W-1

Sample Time: 2:40 PM

Sample Date: 2/10/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Benzene	16		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Ethyl Benzene	20		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B
Toluene	4.9		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Xylenes, Total	21		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100.5	64 - 126
Dibromofluoromethane	93.4	23 - 172
Toluene-d8	97.3	70 - 134

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: 

Reviewed by: 

Entech Analytical Labs, Inc.

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 Attn: Brad Wright

Date: 2/12/04
 Date Received: 2/10/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-002

Client Sample ID: W-1

Sample Time: 2:40 PM

Sample Date: 2/10/04

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	6000	x	20	50	1000	µg/L	N/A	2/11/04	WGC43060	EPA 8015 MOD. (Purgeable)
							Surrogate	Surrogate Recovery		Control Limits (%)
							4-Bromofluorobenzene	168.0		65 - 135

Comment: High surrogate recovery for 4-BFB due to matrix interference.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Je
 Analyst
2/12/04
 Date

Wes
 Supervisor
2/12/04
 Date

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Cameron-Cole
 101 W. Atlantic Ave., Bldg#90
 Alameda, CA 94501
 Attn: Brad Wright

Date: 2/12/04
 Date Received: 2/10/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782	Lab Sample ID: 37782-002	Client Sample ID: W-1
Sample Time: 2:40 PM	Sample Date: 2/10/04	Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	940	x	1	50	50	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 79		Control Limits (%) 16 - 137

Comment: Reported TPH-Diesel value is the result of possible gasoline compounds and overlapping Motor Oil into the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	270		1	250	250	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 79		Control Limits (%) 65 - 135

Comment: Final result elevated due to discrete peaks.

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346) Analyzed by: JZ Reviewed by: [Signature]

Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

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Cameron-Cole

101 W. Atlantic Ave., Bldg#90

Alameda, CA 94501

Attn: Brad Wright

Date: 2/23/2004

Date Received: 2/10/2004

Project Name: ACTransit

Project Number: 2016

P.O. Number: 2016 - Emeryville

Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-003

Client Sample ID: WM-11

Sample Time: 1:05 PM

Sample Date: 2/10/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100.4	64 - 126
Dibromofluoromethane	97.5	23 - 172
Toluene-d8	101.1	70 - 134

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: 

Reviewed by: 

Entech Analytical Labs, Inc.

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Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/12/04
Date Received: 2/10/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-003

Client Sample ID: WM-11

Sample Time: 1:05 PM

Sample Date: 2/10/04

Matrix: Liquid


Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	2/11/04	WGC43060	EPA 8015 MOD. (Purgeable)
			Surrogate		Surrogate Recovery		Control Limits (%)			
			4-Bromofluorobenzene		98.7		65 - 135			

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

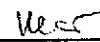
PQL = Practical Quantitation Limit



Analyst

2/12/04

Date



Supervisor

02/12/04

Date

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Cameron-Cole
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Date: 2/12/04
 Date Received: 2/10/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782 Lab Sample ID: 37782-003 Client Sample ID: WM-11
 Sample Time: 1:05 PM Sample Date: 2/10/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	92	x	1	50	50	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 83	Control Limits (%) 16 - 137	

Comment: Not a TPH-Diesel pattern; value due to an unknown hydrocarbon (C12-C36) in the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
					Surrogate o-Terphenyl			Surrogate Recovery 83	Control Limits (%) 65 - 135	

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346) Analyzed by: JZ Reviewed by: [Signature]

Entech Analytical Labs, Inc.

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Cameron-Cole
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 Alameda, CA 94501
 Attn: Brad Wright

Date: 2/23/2004
 Date Received: 2/10/2004
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-004

Client Sample ID: MW-6

Sample Time: 2:00 PM

Sample Date: 2/10/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Benzene	37		5	0.5	2.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Ethyl Benzene	24		5	0.5	2.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Methyl-t-butyl Ether	ND		5	1	5	µg/L	2/19/2004	WMS210527	EPA 8260B
Toluene	4.9		5	0.5	2.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Xylenes, Total	15		5	1	5	µg/L	2/19/2004	WMS210527	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101.4	64 - 126
Dibromofluoromethane	101.2	23 - 172
Toluene-d8	97.9	70 - 134

Comment: Sample diluted due to high concentrations of non-target hydrocarbons.

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by:

Reviewed by:

Entech Analytical Labs, Inc.

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Date: 2/12/04
 Date Received: 2/10/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782 Lab Sample ID: 37782-004 Client Sample ID: MW-6
 Sample Time: 2:00 PM Sample Date: 2/10/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	3500	x	10	50	500	µg/L	N/A	2/11/04	WGC43060	EPA 8015 MOD. (Purgeable)
			Surrogate		Surrogate Recovery		Control Limits (%)			
			4-Bromofluorobenzene		185.5		65 - 135			

Comment: TPH as Gasoline value is atypical gasoline pattern within the TPH as Gasoline quantitation range. High surrogate recovery for 4-BFB due to matrix interference.

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analyst: JL Date: 2/12/04 Supervisor: WWS Date: 2/12/04

Entech Analytical Labs, Inc.

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Date: 2/19/04
 Date Received: 2/10/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782	Lab Sample ID: 37782-004	Client Sample ID: MW-6
Sample Time: 2:00 PM	Sample Date: 2/10/04	Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	19000	x	20	50	1000	µg/L	2/10/04	2/19/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 97		Control Limits (%) 16 - 137

Comment: Not a TPH-Diesel pattern; value due to an unknown hydrocarbon (C8-C32) in the Diesel quantitation range.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		20	250	5000	µg/L	2/10/04	2/19/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 97		Control Limits (%) 65 - 135

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: JZ

Reviewed by: Jma

Entech Analytical Labs, Inc.

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Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/23/2004
Date Received: 2/10/2004
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-005

Client Sample ID: MW-9

Sample Time: 3:10 PM


Sample Date: 2/10/2004


Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Methyl-t-butyl Ether	4.4		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.7	64 - 126
Dibromofluoromethane	98.1	23 - 172
Toluene-d8	100.1	70 - 134

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: 

Reviewed by: 

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/12/04
Date Received: 2/10/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-005

Client Sample ID: MW-9

Sample Time: 3:10 PM

Sample Date: 2/10/04

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	250	x	1	50	50	µg/L	N/A	2/11/04	WGC43060	EPA 8015 MOD. (Purgeable)
							Surrogate	Surrogate Recovery		Control Limits (%)
							4-Bromofluorobenzene	81.8		65 - 135

Comment: TPH as Gasoline value is the result of heavy compounds within the TPH as Gasoline quantitation range.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

JS
Analyst
2/12/04
Date

WCS
Supervisor
2/12/04
Date

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Cameron-Cole
 101 W. Atlantic Ave., Bldg#90
 Alameda, CA 94501
 Attn: Brad Wright

Date: 2/24/04
 Date Received: 2/10/04
 Project Name: ACTransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782	Lab Sample ID: 37782-005	Client Sample ID: MW-9
Sample Time: 3:10 PM	Sample Date: 2/10/04	Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	6200	x	10	50	500	µg/L	2/10/04	2/12/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 69		Control Limits (%) 16 - 137

Comment: While TPH-Motor Oil is present, overlapping unknown hydrocarbon (C14-C26) has resulted in an elevated final TPH-Motor Oil result.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	3200		10	250	2500	µg/L	2/10/04	2/12/04	DW4700A	EPA 8015 MOD. (Extractable)

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: JZ

Reviewed by: [Signature]

Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

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Cameron-Cole

101 W. Atlantic Ave., Bldg#90

Alameda, CA 94501

Attn: Brad Wright

Date: 2/23/2004

Date Received: 2/10/2004

Project Name: ACTransit

Project Number: 2016

P.O. Number: 2016 - Emeryville

Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-006

Client Sample ID: MW-10

Sample Time: 11:55 AM

Sample Date: 2/10/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Methyl-t-butyl Ether	1.6		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

95.9

64 - 126

Dibromofluoromethane

96.9

23 - 172

Toluene-d8

100.3

70 - 134

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by:

Reviewed by:

Entech Analytical Labs, Inc.

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Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/13/04
Date Received: 2/10/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-006

Client Sample ID: MW-10

Sample Time: 11:55 AM

Sample Date: 2/10/04

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	190	x	1	50	50	µg/L	N/A	2/12/04	WGC43061	EPA 8015 MOD. (Purgeable)
							Surrogate	Surrogate Recovery		Control Limits (%)
							4-Bromofluorobenzene	177.8		65 - 135

Comment: TPH as Gasoline value is atypical gasoline pattern within the TPH as Gasoline quantitation range .High surrogate recovery for 4-BFB due to matrix interference.

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analyst

Date

Supervisor

Date

JL

2/13/04

mc5

2/13/04

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Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/12/04
Date Received: 2/10/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782 Lab Sample ID: 37782-006 Client Sample ID: MW-10
Sample Time: 11:55 AM Sample Date: 2/10/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	260		1	50	50	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 63		Control Limits (%) 16 - 137

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	ND		1	250	250	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 63		Control Limits (%) 65 - 135

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: JZ

Reviewed by: [Signature]

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Phone: (408) 588-0200

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Cameron-Cole

101 W. Atlantic Ave., Bldg#90

Alameda, CA 94501

Attn: Brad Wright

Date: 2/23/2004

Date Received: 2/10/2004

Project Name: ACTransit

Project Number: 2016

P.O. Number: 2016 - Emeryville

Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-007

Client Sample ID: MW-1

Sample Time: 3:00 PM

Sample Date: 2/10/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Methyl-t-butyl Ether	6.6		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

97.7

64 - 126

Dibromofluoromethane

100.8


23 - 172

Toluene-d8

99.0

70 - 134

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: 

Reviewed by: 

Entech Analytical Labs, Inc.

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Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/13/04
Date Received: 2/10/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782 Lab Sample ID: 37782-007 Client Sample ID: MW-1
Sample Time: 3:00 PM Sample Date: 2/10/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	2/12/04	WGC43061	EPA 8015 MOD. (Purgeable)
			Surrogate		Surrogate Recovery		Control Limits (%)			
			4-Bromofluorobenzene		105.4		65 - 135			

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analyst: JL Date: 2/13/04 Supervisor: WCS Date: 02/13/04

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Cameron-Cole
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 Alameda, CA 94501
 Attn: Brad Wright

Date: 2/12/04
 Date Received: 2/10/04
 Project Name: ATransit
 Project Number: 2016
 P.O. Number: 2016 - Emeryville
 Sampled By: Client

Certified Analytical Report

Order ID: 37782 Lab Sample ID: 37782-007 Client Sample ID: MW-1
 Sample Time: 3:00 PM Sample Date: 2/10/04 Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Diesel	4800		10	50	500	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 71		Control Limits (%) 16 - 137

Comment: While TPH-Diesel is present, a second fuel overlapping from the TPH-Motor Oil range into the Diesel quantitation range, has resulted in an elevated final TPH-Diesel result.

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Motor Oil	4200		10	250	2500	µg/L	2/10/04	2/11/04	DW4700A	EPA 8015 MOD. (Extractable)
						Surrogate o-Terphenyl		Surrogate Recovery 71		Control Limits (%) 65 - 135

Comment: While TPH-Motor Oil is present, a second fuel overlapping from the TPH-Diesel range into the Motor Oil quantitation range, has resulted in an elevated final TPH-Motor Oil result.

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346) Analyzed by: JZ Reviewed by: W

Entech Analytical Labs, Inc.

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Phone: (408) 588-0200

Fax: (408) 588-0201

Cameron-Cole

101 W. Atlantic Ave., Bldg#90

Alameda, CA 94501

Attn: Brad Wright

Date: 2/23/2004

Date Received: 2/10/2004

Project Name: ACTransit

Project Number: 2016

P.O. Number: 2016 - Emeryville

Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-008

Client Sample ID: Trip Blank

Sample Time: 11:45 AM

Sample Date: 2/10/2004

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Ethyl Benzene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Methyl-t-butyl Ether	ND		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B
Toluene	ND		1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
Xylenes, Total	ND		1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene

98.5

64 - 126

Dibromofluoromethane

100.6

23 - 172

Toluene-d8

99.5

70 - 134

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Analyzed by: W

Reviewed by: W

Entech Analytical Labs, Inc.

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Cameron-Cole
101 W. Atlantic Ave., Bldg#90
Alameda, CA 94501
Attn: Brad Wright

Date: 2/12/04
Date Received: 2/10/04
Project Name: ACTransit
Project Number: 2016
P.O. Number: 2016 - Emeryville
Sampled By: Client

Certified Analytical Report

Order ID: 37782

Lab Sample ID: 37782-008

Client Sample ID: Trip Blank

Sample Time: 11:45 AM

Sample Date: 2/10/04

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	2/11/04	WGC43060	EPA 8015 MOD. (Purgeable)
			Surrogate		Surrogate Recovery		Control Limits (%)			
			4-Bromofluorobenzene		95.6		65 - 135			

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analyst

2/12/04
Date

Supervisor

2/12/04
Date

Entech Analytical Labs, Inc.

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STANDARD LAB QUALIFIERS (FLAGS)

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier (Flag)	Description
U	Compound was analyzed for but not detected
J	Estimated value only. Either the compound is tentatively identified or the result is below the PQL but above the MDL. Reported with one significant figure.
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel
Y	PQL is reported below MDL but verified against a standard analyzed at the client requested reporting limit of 0.5 ppb
C	Reported results affected by contaminated reagent materials. See narrative for further explanation
L	Possible laboratory contamination from MeCl ₂ but no evidence of contamination in Method Blank associated with reported QC Batch.

Entech Analytical Labs, Inc.

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Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: Liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
BTEX+MTBE by EPA 8260B	Benzene	ND	1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
	Ethyl Benzene	ND	1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
	Methyl-t-butyl Ether	ND	1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B
	Toluene	ND	1	0.5	0.5	µg/L	2/19/2004	WMS210527	EPA 8260B
	Xylenes, Total	ND	1	1	1	µg/L	2/19/2004	WMS210527	EPA 8260B
Surrogate	Surrogate Recovery			Control Limits (%)					
4-Bromofluorobenzene	103.3			64 - 126					
Dibromofluoromethane	90.7			23 - 172					
Toluene-d8	105.4			70 - 134					

DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

Page 1 of 1

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: WMS210527

Matrix: Liquid

Units: µg/L

Date Analyzed: 2/19/2004

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: BTEX+MTBE by EPA 8260B											
Benzene	EPA 8260B	ND		20.		18.099	LCS	90.5			77 - 154
Methyl-t-butyl Ether	EPA 8260B	ND		20.		16.071	LCS	80.4			58 - 127
Toluene	EPA 8260B	ND		20.		17.742	LCS	88.7			47 - 137

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.2	64 - 126
Dibromofluoromethane	94.9	23 - 172
Toluene-d8	96.3	70 - 134

Test: BTEX+MTBE by EPA 8260B											
Benzene	EPA 8260B	ND		20.		20.49	LCSD	102.4	12.4	25	77 - 154
Methyl-t-butyl Ether	EPA 8260B	ND		20.		19.242	LCSD	96.2	18.0	25	58 - 127
Toluene	EPA 8260B	ND		20.		19.386	LCSD	96.9	8.9	25	47 - 137

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.9	64 - 126
Dibromofluoromethane	92.4	23 - 172
Toluene-d8	98.3	70 - 134

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: WGC43060

Matrix: Liquid

Units: µg/L

Date Analyzed: 2/11/2004

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		250.		271.	LCS	108.4			65 - 135
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		81.3		65 - 135							
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		250.		256.	LCSD	102.4	5.7	25	65 - 135
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		92.9		65 - 135							

Entech Analytical Labs, Inc.

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Quality Control Results Summary

QC Batch #: WGC43061

Matrix: Liquid

Units: µg/L

Date Analyzed: 2/12/2004

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		250.		285.8	LCS	114.3			65 - 135
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		88.6		65 - 135							
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		250.		251.8	LCSD	100.7	12.6	25	65 - 135
Surrogate		Surrogate Recovery		Control Limits (%)							
4-Bromofluorobenzene		94.4		65 - 135							

Entech Analytical Labs, Inc.

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Date: 2/24/04

Certified Analytical Report

Lab Sample ID: Method Blank

Matrix: Liquid

Test	Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	TPH as Gasoline	ND	1	50	50	µg/L	2/11/2004	WGC43060	EPA 8015 MOD. (Purgeable)
	Surrogate 4-Bromofluorobenzene	Surrogate Recovery 96.4		Control Limits (%) 65 - 135					
TPH as Gasoline	TPH as Gasoline	ND	1	50	50	µg/L	2/12/2004	WGC43061	EPA 8015 MOD. (Purgeable)
	Surrogate 4-Bromofluorobenzene	Surrogate Recovery 94.9		Control Limits (%) 65 - 135					


DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)


Patti Sandrock, QA/QC Manager

Environmental Analysis Since 1983

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Entech Analytical Labs, Inc.

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Quality Control - Method Blank

Prep Batch ID: DW4700A

Prep Date: 2/10/2004

QC Batch ID: DW4700A

Matrix: Liquid

Method: EPA 8015 MOD. (Extractable)

Analysis Date: 2/11/2004

Parameter	Result	DF	PQL	DLR	Units
TPH as Diesel	ND	1	50	50	µg/L

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Surrogate
o-Terphenyl

Surrogate Recovery
78.0

QC Reviewed by: Yan

Quality Control - Laboratory Control Spike / Duplicate Results

Prep Batch ID: DW4700A

Conc. Units: µg/L

QC Batch ID: DW4700A

Prep Date: 2/10/2004

Analysis Date: 2/11/2004

Matrix: Liquid

Method EPA 8015 MOD. (Extractable)

Parameter	Blank Result	Spike Amount	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
LCS								
TPH as Diesel	ND	1000.	608.45	LCS	60.8			29 - 130
Surrogate o-Terphenyl	Surrogate Recovery 83.0		Control Limits (%) 16 - 137					
LCSD								
TPH as Diesel	ND	1000.	689.68	LCSD	69.0	12.5	25	29 - 130
Surrogate o-Terphenyl	Surrogate Recovery 99.0		Control Limits (%) 16 - 137					

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

QC Reviewed by: Yan

Quality Control Results Summary

QC Batch #: WIC040209B
 Matrix: Liquid

Units: mg/L
 Date Analyzed: 2/10/04

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: Nitrate as N											
Nitrate as N	EPA 300.0	ND		2.26		2.37	LCS	104.9			80.0 - 120.0
Test: Sulfate											
Sulfate	EPA 300.0	ND		15		15.3	LCS	102.0			80.0 - 120.0
Test: Nitrate as N											
Nitrate as N	EPA 300.0	ND		2.26		2.39	LCSD	105.8	0.84	20.00	80.0 - 120.0
Test: Sulfate											
Sulfate	EPA 300.0	ND		15		15.6	LCSD	104.0	1.94	20.00	80.0 - 120.0

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to: <i>Brad Wright</i>		Phone No.: <i>(510) - 769-3563</i>	Purchase Order No.:	Invoice to: (If Different)	Phone:
Company Name: <i>Cameron-Cole LLC</i>		Fax No.: <i>510 - 337-3994</i>	Project No.: <i>2016</i>	Company:	
Mailing Address: <i>101 W Atlantic Ave Bldg #50</i>		Email Address:	Project Name:	Billing Address: (If Different)	
City: <i>Alameda</i>	State: <i>Ca</i>	Zip Code: <i>94501</i>	Project Location: <i>Emeryville</i>	City:	State: Zip:

Sampler: <i>MO</i>	Field Org. Code:	Turn Around Time <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input checked="" type="checkbox"/> 6-10 Day (std)
Global ID:		

Order ID:	Sample	Matrix	Composite	Grab	Containers
Client ID / Field Point	Lab. No.	Date	Time		

Client ID / Field Point	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Volatile Organics by GCMS: 801/602 □ 824 □ 8019 by 8280 □ Oxygenates by 8260 □ MTBE by 8260 □ TPH as Gas 815 □ Diesel * as Gas 815 □ Motor Oil * w/ Super MTBE □ Fuel Scan w/ Super Standard Cleanup □ Base/Neutral/Acid Organics 8270 □ Extraction Column Cleanup □ Pesticides 8081 □ PAH □ PCBs - 8082 □ 8021 PH □ TSS □ SC □ TOC □ TPPH □ Oil & Grease □ CN □ Phenols □ Amors. F □ Cl □ Br □ Sox □ Mo □ Perchlorate TPH-GAS Metals - Circle Below Total □ STLC □ TO-14 □ TO-15 □ (Teatar Bag Only)	Remarks					
<i>MW-12</i>	<i>37782-001</i>	<i>2/10/04</i>	<i>1150</i>	<i>W</i>		<i>X</i>	<i>3</i>	<i>HCl</i>		<i>X</i>					
							<i>3</i>								
							<i>2</i>								
							<i>1</i>								
<i>W-1</i>	<i>002</i>		<i>1440</i>				<i>3</i>				<i>X</i>				
							<i>3</i>								
							<i>2</i>								
<i>MW-11</i>	<i>003</i>		<i>1305</i>				<i>1</i>								
							<i>3</i>				<i>X</i>				
							<i>3</i>								
							<i>2</i>								
							<i>1</i>								

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <i>2/10/04</i>	Time: <i>1630</i>
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <i>2/10/02</i>	Time: <i>1755</i>
Relinquished by:	Received by:	Date:	Time:

Special Instructions or Comments
** Nitrate & Sulfate per Emily*

Semi-Conductor Metals: Bi, Ce, Cs, Ga, Ge, In, Li, P, S, Ta, Te, Zr

Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Tl, Sn, Ti, Zn, V, W

SP 2/11/04

<input type="checkbox"/> EDD Report	<input type="checkbox"/> PDF Report
<input type="checkbox"/> EDF Report	<input type="checkbox"/> NPDES Detection Limits
<input type="checkbox"/> LUFT-5	<input type="checkbox"/> RCRA-8
<input type="checkbox"/> PPM-13	<input type="checkbox"/> CAM-17

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to: BRAD WRIGHT		Phone No.: 510-764-3563	Purchase Order No.:	Invoice to: (If Different)	Phone:
Company Name: CAMERON - COLE LLC		Fax No.: 510-337-3944	Project No.: 2016	Company:	
Mailing Address: 101 W. ATLANTIC AVE DUBLIN, CA 94568		Email Address:	Project Name:	Billing Address: (If Different)	
City: ALBUQUERQUE	State: CA	Zip Code: 94501	Project Location: Emeryville	City:	State: Zip:

Sampler:	Field Org. Code:	Turn Around Time				Matrix	Composite	Grab	Containers	Preservative	Analysis Options																Remarks
		<input type="checkbox"/> Same Day	<input type="checkbox"/> 1 Day	<input type="checkbox"/> 2 Day	<input type="checkbox"/> 3 Day						<input type="checkbox"/> 4 Day	<input type="checkbox"/> 5 Day	<input checked="" type="checkbox"/> 6-10 Day (std)	Volatiles Organics by GCMS: 601/602 <input type="checkbox"/> 824 <input type="checkbox"/> 8010 by GCMS: 601/602 <input type="checkbox"/> Oxybenzates by 82608 <input type="checkbox"/> Etn/Meth <input type="checkbox"/> MTBE by 82608 <input type="checkbox"/> Gas by GCMS <input type="checkbox"/> TPH as Gas by TEL <input type="checkbox"/> Diesel as Gas by TEL <input type="checkbox"/> Motor Oil <input type="checkbox"/> w/ Si-gel Standard Cleanup <input type="checkbox"/> Fuel Scan <input type="checkbox"/> w/ Slag Column Cleanup <input type="checkbox"/> Base/Neutral/Acid Organics <input type="checkbox"/> 8270 <input type="checkbox"/> 8270-SM <input type="checkbox"/> Purgeable <input type="checkbox"/> Pesticides-8081 <input type="checkbox"/> PAHs <input type="checkbox"/> PQS-8082 <input type="checkbox"/> PH <input type="checkbox"/> TSS <input type="checkbox"/> SC <input type="checkbox"/> TOC <input type="checkbox"/> TRPH <input type="checkbox"/> Oil & Grease <input type="checkbox"/> CN <input type="checkbox"/> Phenols <input type="checkbox"/> Anions: F <input type="checkbox"/> Cl <input type="checkbox"/> Br <input type="checkbox"/> SO4 <input type="checkbox"/> NO3 <input type="checkbox"/> Perchlorate <input type="checkbox"/> TPH-Gas <input checked="" type="checkbox"/> Metals Circle Below <input type="checkbox"/> Total D <input type="checkbox"/> Dissolved <input type="checkbox"/> STLC <input type="checkbox"/> TCLP <input type="checkbox"/> TO-14 <input type="checkbox"/> TO-15 <input type="checkbox"/> (Teclar Bag Only)													
Client ID / Field Point	Lab. No.	Date	Time																								
MW-6	37782-004	2/10/04	1400	W		X	3	X	HCL																		
							2	X																			
							1																				
MW-9	005		310				3	X																			
							2	X																			
							1																				
MW-10	006		1159				3	X																			
							2	X																			
							1																				

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 2/10/04	Time: 16:30	Special Instructions or Comments * Nitrate & Sulfate per Emily Semi-Conductor Metals: Bi, Ce, Cs, Ga, Ge, In, Li, P, S, Ta, Te, Zr Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Tl, Sn, Ti, Zn, V, W	<input type="checkbox"/> EDD Report	<input type="checkbox"/> PDF Report
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 2/10/04	Time: 17:55		<input type="checkbox"/> EDF Report	<input type="checkbox"/> NPDES Detection Limits
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date:	Time:		<input type="checkbox"/> LUFT-5	<input type="checkbox"/> RCRA-8
					<input type="checkbox"/> PPM-13	<input type="checkbox"/> CAM-17

Entech Analytical Labs, Inc.

3334 Victor Court (408) 588-0200
 Santa Clara, CA 95054 (408) 588-0201 - Fax

Chain of Custody / Analysis Request

Attention to: <i>BOB WRIGHT</i>	Phone No.: <i>510-704-3563</i>	Purchase Order No.:	Invoice to: (If Different)	Phone:
Company Name: <i>AMERICAN-COIL LLC</i>	Fax No.: <i>510-337-3944</i>	Project No.: <i>2016</i>	Company:	
Mailing Address: <i>101 W ATLANTIC AVE BLDG #90</i>	Email Address:	Project Name:	Billing Address: (If Different)	
City: <i>ALAMOGADA</i>	State: <i>CA</i>	Zip Code: <i>94501</i>	Project Location: <i>Emeryville</i>	City:
State:	Zip:	State:	Zip:	

Order ID:	Sample	Turn Around Time				Preservative	Analysis Options														Remarks																
		Same Day	1 Day	2 Day	3 Day		4 Day	5 Day	6-10 Day (std)	Volatile Organics by GC/MS: 601/602 D	624 D	2012 BY 8260 D	MTBE BY 8260 D	TPH as Gas/TEX D	TPH as Gas/TEX D	Diesel Motor Oil w/ Singel Standard Cleanup D	Fuel Scan w/ Singel Standard Cleanup D	Base/Neutral/Acid Organics 8270 D	Pesticides: 808 D	PAH D		PCBs - 8082 D	PH D	TSS D	SC D	TOC D	TRPH D	Oil & Grease D	CN D	Phenols D	Amion: F D	NO2-N D	NO3-N D	Percarbonate	TPH - CAS	Metals - Circle Below	STLC D
Client ID / Field Point	Lab. No.	Date	Time	Matrix	Composite	Grab	Containers																														
<i>MW-1</i>	<i>37782-007</i>	<i>2/10/04</i>	<i>1500</i>	<i>W</i>		<i>3</i>	<i>3</i>	<i>X</i>	<i>HC</i>															<i>X</i>													
							<i>2</i>	<i>X</i>																													
							<i>1</i>																														
<i>Trip Blank</i>	<i>-008</i>		<i>1145</i>																					<i>X</i>													

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <i>2/10/04</i>	Time: <i>1630</i>	Special Instructions or Comments <i>* Nitrate & Sulfate per Emily</i> Semi-Conductor Metals: Bi, Ce, Cs, Ga, Ge, In, Li, P, S, Ta, Te, Zr Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Tl, Sn, Ti, Zn, V, W	<input type="checkbox"/> EDD Report	<input type="checkbox"/> PDF Report
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <i>2/10/04</i>	Time: <i>1755</i>		<input type="checkbox"/> EDF Report	<input type="checkbox"/> NPDES Detection Limits
Relinquished by:	Received by:	Date:	Time:		<input type="checkbox"/> LUFT-5	<input type="checkbox"/> RCRA-8
					<input type="checkbox"/> PPM-13	<input type="checkbox"/> CAM-17

AC TRANSIT - EMERYVILLE
SECOND QUARTER 2003

FIELD PERSONNEL: KID, ME, EN

WELL OR LOCATION	DATE	TIME	MEASUREMENT	CODE	COMMENTS
MW-1	↑	957	3.95	SWL	
MW-2		0959	3.61		
MW-3		0952	4.99		
MW-4		0950	5.10		
MW-5		0954	3.38		↓
MW-6		-	-	OIL	no screen
MW-6		1007	2.94	OWI	blue sounder used
MW-7		1026	4.31	SWL	
MW-8		1020	4.22		
MW-9		1022	3.17		
MW-10		1029	9.20		
MW-11		1014	2.40		
MW-12		1033	9.80		↓
MW-13	2/10/04	940	8.71	OIL	used oil water interface
MW-13		941	9.59	OWI	off by 0.1 ft.
W-1	↓	1039	4.95	SWL	
W-3	2/10/04	945	5.63	↓	
W-4		1004	3.54		
	↓				

SWL - Static Water Level

OIL - Oil Level

OWI - Oil/Water Interface

MTD - Measured Total Depth

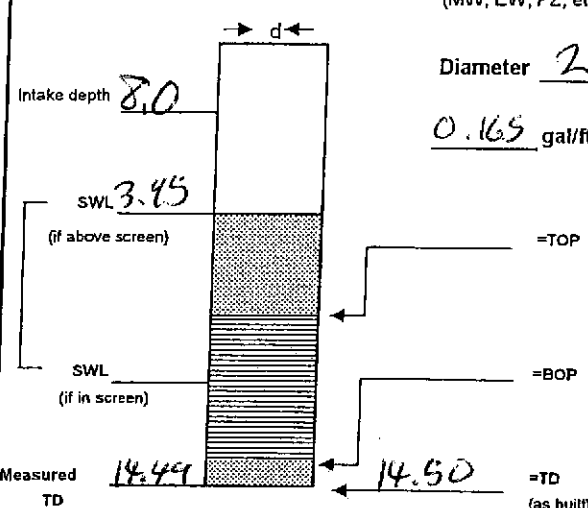
CAMERON-COLE
SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-1

PROJECT Emeryville EVENT Quarterly SAMPLER ME DATE 2/10/04

Well type (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE	DTW	
			(gpm)		
Intake depth <u>8.0</u> SWL <u>3.45</u> (if above screen) SWL (if in screen) Measured TD <u>14.49</u> TD <u>14.50</u>	Start Pump / Begin	1440			
			1443		5.65
			1448		5.85
	Stop	1452			6.00
Sampled	1500				
Final IWL					

Well type _____
 (MW, EW, PZ, etc.)
 Diameter 2"
0.165 gal/ft. casing



PURGE CALCULATION
0.165 gal/ft. * 10.55 ft. = 1.74 gals. X 3 = 5.22 gals.
 SWL to BOP or TD 4" = 0.65 gal/ft. one volume 8" = 1.47 gal/ft. purge volume - 3 casings

Equipment Used / Sampling Method / Description of Event:
Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sounder / meters

Actual gallons purged 5.5 gal
 Actual volumes purged 3+
 Well Yield ⊕ _____

Additional Comments:

Sample I.D.	Analysis	Lab
<u>MW-1</u>	<u>8015 GPO</u>	<u>ENTECH</u>
	<u>8021</u>	
	<u>8025 DRO</u>	
	<u>METARS/SUPERS</u>	

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
1. <u>1.5</u>	<u>21.3</u>	<u>522</u>	<u>7.12</u>	—	<u>Fe 0 mg/L</u>
2. <u>3.0</u>	<u>22.0</u>	<u>510</u>	<u>6.85</u>	—	<u>DO 3.42</u>
3. <u>4.5</u>	<u>20.2</u>	<u>538</u>	<u>7.17</u>	—	<u>ORP 61</u>
4.					
5.					
6.					
7.					
8.					
9.					
10.					

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

CAMERON-COLE
SAMPLING EVENT DATA SHEET

WELL OR LOCATION Mw-6

PROJECT Emeryville EVENT Quarterly SAMPLER ME DATE 2/10/04

<p>Intake depth <u>12'</u></p> <p>SWL <u>2.94</u> (if above screen)</p> <p>SWL (if in screen)</p> <p>Measured TD <u>19.53</u></p> <p>TD (as built) <u>19.64</u></p>	Well type <u>MU</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW
	Diameter <u>2"</u>	Start Pump / Begin	<u>1340</u>		
	<u>0.165</u> gal/ft. casing		<u>1341</u>		<u>3.22</u>
			<u>1345</u>		<u>3.35</u>
		Stop	<u>1348</u>		
		Sampled	<u>1400</u>		
		Final IWL			<u>3.35</u>

PURGE CALCULATION

0.165 gal/ft. * 16.7 ft. = 2.76 gals. X 3 = 8.27 gals.

SWL to BOP or TD one volume purge volume - 3 casings
 2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Description of Event:

Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sounder / meters

Actual gallons purged 8.9

Actual volumes purged 3+

Well Yield ⊕ _____

COC # _____

Sample I.D.	Analysis	Lab
<u>Mw-6</u>	<u>8015 GRO</u>	<u>PUTCH</u>
↓	<u>8021</u>	↓
↓	<u>8015 DRO</u>	↓
	<u>WATER/SURVE</u>	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
<u>1. 2.5</u>	<u>22.2</u>	<u>742</u>	<u>6.58</u>	<u>—</u>	<u>Fe > 3.30 mg/l</u>
<u>2. 5.0</u>	<u>23.2</u>	<u>743</u>	<u>6.53</u>	<u>—</u>	<u>DO 1.80 mg/l</u>
<u>3. 7.5</u>	<u>22.9</u>	<u>760</u>	<u>6.53</u>	<u>—</u>	<u>ORP -45 mV</u>
<u>4.</u>					
<u>5.</u>					
<u>6.</u>					
<u>7.</u>					
<u>8.</u>					
<u>9.</u>					
<u>10.</u>					

*Take measurement at approximately each casing volume purged. ⊕

HY - Minimal W.L. drop

MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump

LY - Able to purge 3 volumes by returning later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.

CAMERON-COLE
SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-01

PROJECT Emeryville EVENT Quarterly SAMPLER ME DATE 2/10/04

<p>Intake depth <u>10</u></p> <p>SWL <u>3.2</u> (if above screen)</p> <p>SWL (if in screen)</p> <p>Measured <u>20.41</u> TD</p> <p><u>20.52</u> = TD (as built)</p>	Well type <u>MW</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW	
	Diameter <u>2"</u>	Start Pump / Begin	<u>1240</u>			
	<u>0.165</u> gal/ft. casing		<u>1246</u>		<u>8.40</u>	
			<u>1255</u>		<u>7.60</u>	
		Stop	<u>1305</u>			<u>7.05</u>
		Sampled	<u>1310</u>			
	Final IWL					

PURGE CALCULATION

0.165 gal/ft. * 17.32 ft. = 2.86 gals. X 3 = 8.57 gals.

SWL to BOP or TD one volume purge volume - 3 casings
 2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Description of Event:
Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sounder / meters

Actual gallons purged 4.00

Actual volumes purged 3+

Well Yield ⊕ _____

COC # _____

Additional Comments:

Sample I.D.	Analysis	Lab
<u>MW-4</u>	<u>8015 LRD</u>	<u>ENTECH</u>
↓	<u>8021</u>	↓
↓	<u>8015 ORD</u>	↓
↓	<u>NITRATE / SULFATE</u>	↓

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
<u>1. 2.5</u>	<u>21.7</u>	<u>644</u>	<u>6.45</u>	<u>—</u>	<u>Fe 0.03 mg/L</u>
<u>2. 5.0</u>	<u>22.1</u>	<u>745</u>	<u>6.44</u>	<u>—</u>	<u>DO 5.00 mg/L</u>
<u>3. 8.0</u>	<u>22.1</u>	<u>759</u>	<u>6.54</u>	<u>—</u>	<u>ORP 1 mV</u>
<u>4.</u>					
<u>5.</u>					
<u>6.</u>					
<u>7.</u>					
<u>8.</u>					
<u>9.</u>					
<u>10.</u>					

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

CAMERON-COLE
SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-10

PROJECT Emeryville EVENT Quarterly SAMPLER ME DATE 2/10/04

	Well type <u>MW</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW
	Diameter <u>2 1/2</u> <u>0.165 gal/ft. casing</u>	Start Pump / Begin	<u>1123</u>		
			<u>1127</u>		<u>10.75</u>
			<u>1133</u>		<u>10.45</u>
		Stop	<u>1140</u>		
		Sampled	<u>1158</u>		
		Final IWL			<u>9.40</u>

PURGE CALCULATION

0.165 gal/ft. * 14.45 ft. = 2.60 gals. X 3 = 7.4 gals.

SWL to BOP or TD one volume purge volume - 3 casings
 2" = 0.165 gal/ft 4" = 0.65 gal/ft 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Description of Event:
Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sounder / meters

Actual gallons purged 7.5
 Actual volumes purged 3x
 Well Yield ⊕ _____

COC # <u>N/A</u>		
Sample I.D.	Analysis	Lab
<u>MW10</u>	<u>8015 GPO 3X CAS</u>	<u>ENTERIC</u>
↓	<u>8015 DRO 2X CAS</u>	↓
↓	<u>8015 DRO 2X ANKLY</u>	↓
↓	<u>1101015/515775</u>	↓

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
1. <u>2.0</u>	<u>20.3</u>	<u>512</u>	<u>6.82</u>	—	<u>2.24 (u8)</u>
2. <u>4.0</u>	<u>20.5</u>	<u>517</u>	<u>7.03</u>	—	<u>Fe 0.0 mg/L</u>
3. <u>7.0</u>	<u>20.3</u>	<u>516</u>	<u>6.77</u>	—	<u>DO 3.84 mg/L</u>
4.					<u>ORP = -0.63 mV</u>
5.					
6.					
7.					
8.					
9.					
10.					

*Take measurement at approximately each casing volume purged. ⊕ HY - Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one siting 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

MW-11

WELL OR LOCATION MW-72

PROJECT Everyville EVENT Quarterly SAMPLER MD DATE 2/10/04

<p>Intake depth</p> <p>SWL <u>2.36</u> (if above screen)</p> <p>SWL (if in screen)</p> <p>Measured TD <u>17.32</u></p>	Well type <u>MW</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW	
	Diameter <u>2"</u>	Start Pump / Begin	<u>1245</u>	<u>.63</u>	<u>2.34</u>	
	<u>.165</u> gal/ft. casing	<u>1250</u>	<u>3 gal</u>		<u>2.37</u>	
		<u>1255</u>	<u>6 gal</u>			
		<u>1300</u>	<u>9 gal</u>			
		Stop	<u>1302</u>			<u>2.34</u>
		Sampled	<u>1305</u>			
	Final IWL					

PURGE CALCULATION

.165 gal/ft. \cdot 22.17 ft. = 3.65 gals. \times 3 = 10.9 gals.

2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Description of Event:
Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sounder / meters

Actual gallons purged 10.0

Actual volumes purged 3+

Well Yield \oplus LY

COC # _____

Additional Comments:

Sample I.D.	Analysis	Lab
<u>MW-21</u>	<u>8021</u>	<u>ENTECH</u>
\downarrow	<u>TPH-GAS</u>	\downarrow
	<u>Diesel / Motor Oil</u>	
	<u>Nitrate / Sulfate</u>	

1250
1255
1300

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
1. <u>3</u>	<u>22.7</u>	<u>751</u>	<u>8.35</u>	<u>—</u>	<u>Fe 0 mg/L limit</u>
2. <u>6</u>	<u>22.1</u>	<u>759</u>	<u>8.20</u>	<u>—</u>	<u>DO 3.86</u>
3. <u>9</u>	<u>22.0</u>	<u>750</u>	<u>8.27</u>	<u>—</u>	<u>ORP 75 MV</u>
4.					
5.					
6.					
7.					
8.					
9.					
10.					

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

CAMERON-COLE
SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-12

PROJECT Energyville EVENT Quarterly SAMPLER MO DATE 2/10/04

	Well type <u>MW</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW
	Diameter <u>2"</u>	Start Pump / Begin	<u>10:11:10</u>		
	<u>0.165</u> gal/ft. casing		<u>11:14</u>	<u>.47</u>	
		Stop			
		Sampled	<u>11:50</u>		
		Final IWL			

PURGE CALCULATION
0.165 gal/ft. * 20.26 ft. = 3.34 gals. X 3 = 10.03 gals.
 SWL to BOP or TD one volume purge volume - 3 casings
 2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Description of Event:
Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sounder / meters

Actual gallons purged 10
 Actual volumes purged _____
 Well Yield ⊕ _____

COC # _____		
Sample I.D.	Analysis	Lab
<u>MW-12</u>	<u>8021</u> <u>THI-CAS</u> <u>Diethyl/acetex cal</u> <u>nitrate/sulfate</u>	<u>ENTECH</u>

Additional Comments:
measured TD used in purge calc.

1125
135
439
1143
MO

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
1. <u>3</u>	<u>24.7</u>	<u>936</u>	<u>7.85</u>	<u>—</u>	<u>Fe 0.00 mg/L</u>
2. <u>6</u>	<u>25.1</u>	<u>859</u>	<u>7.81</u>	<u>—</u>	<u>DO 4.01</u>
3. <u>9</u>	<u>23.9</u>	<u>925</u>	<u>7.60</u>	<u>—</u>	<u>ORP 17</u>
4.					
5.					
6.					
7.					
8.					
9.					
10.					

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

CAMERON-COLE
SAMPLING EVENT DATA SHEET

WELL OR LOCATION W-1

PROJECT Emeryville EVENT Quarterly SAMPLER M/D DATE 2/10/04

	Well type <u>MW</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW	
	Diameter <u>2"</u>	Start Pump / Begin	14 22	163	3.92	
	.165 gal/ft. casing	1.5	14 26	↓	5.47	
		3.0	14 29		5.46	
		5.0	14 33			
		Stop	14 35			
		Sampled	14 40			5.38
		Final IWL				
Measured TD <u>16.76</u>		PURGE CALCULATION				
TD <u>16.43</u>		<u>.165</u> gal/ft. * <u>12.84</u> ft. = <u>2.12</u> gals. X 3 = <u>6.36</u> gals.				
	2" = 0.165 gal/ft.	SWL to BOP or TD one volume purge volume - 3 casings				
		4" = 0.65 gal/ft. 6" = 1.47 gal/ft.				

Equipment Used / Sampling Method / Description of Event:
Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sounder / meters

Actual gallons purged	<u>7</u>
Actual volumes purged	<u>3+</u>
Well Yield ⊕	<u>HY</u>
COC #	

Additional Comments:
USED measured TD for Purge Calculations

Sample I.D.	Analysis	Lab
<u>W-1</u>	<u>8021</u>	<u>ENTECH</u>
↓	<u>TPH-GAS</u>	↓
↓	<u>Diethyl/methyl</u>	↓
↓	<u>Acetic/butane</u>	↓

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
1. <u>1.5</u>	<u>24.6</u>	<u>1039</u>	<u>7.69</u>	—	<u>Fe > 3.30</u>
2. <u>3.0</u>	<u>24.1</u>	<u>1077</u>	<u>7.20</u>	—	<u>DO 4.51</u>
3. <u>5.0</u>	<u>25.2</u>	<u>1058</u>	<u>7.31</u>	—	<u>ORP -70</u>
4.					
5.					
6.					
7.					
8.					
9.					
10.					

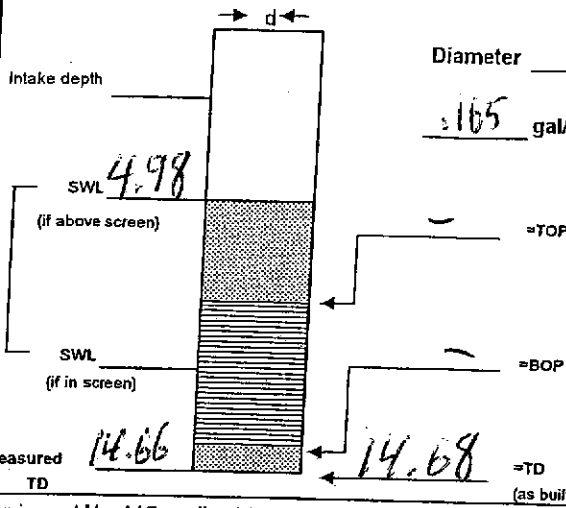
*Take measurement at approximately each casing volume purged. ⊕ HY - Minimal W.L. drop MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump LY - Able to purge 3 volumes by returing later or next day. VLY - Minimal recharge - unable to purge 3 volumes.

**CAMERON-COLE
SAMPLING EVENT DATA SHEET**

WELL OR LOCATION MW-3

PROJECT Emeryville EVENT Quarterly SAMPLER MTO DATE 2/10/04

Well type <u>MW</u> (MW, EW, PZ, etc.) Diameter <u>2"</u> <u>.165</u> gal/ft. casing	ACTION	TIME	PUMP RATE (gpm)	DTW
	Start Pump / Begin	1356	1400 147	6.1
	1	1400		
	2.5	1404		
	4.0	1408		
	Stop	1409		
Sampled	1410			
Final IWL				



PURGE CALCULATION
.165 gal/ft. × 9.7 ft. = 1.60 gals. × 3 = 4.8 gals.
 SWL to BOP or TD one volume SWL to TD 4" = 0.65 gal/ft. 6" = 1.47 gal/ft. purge volume - 3 casings

Equipment Used / Sampling Method / Description of Event:
Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sounder / meters

Actual gallons purged 5
 Actual volumes purged 3
 Well Yield ⊕ _____
 COC # _____

Additional Comments:

Sample I.D.	Analysis	Lab
<u>MW-3</u>	<u>8021</u>	<u>ENTECH</u>
↓	<u>TPH-GAS</u>	↓
↓	<u>Diesel / Motor Oil</u>	↓
↓	<u>Nitrate / Sulfate</u>	↓

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
1	21.4	605	6.9	—	Fe 0.00 mg/L
2	21.3	616	6.78	—	DO 1.65
3	21.4	574	7.02	—	ORP 86
4.					
5.					
6.					
7.					
8.					
9.					
10.					

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

CAMERON-COLE
SAMPLING EVENT DATA SHEET

WELL OR LOCATION MW-2

PROJECT Emeryville EVENT Quarterly SAMPLER MO DATE 2/10/04

	Well type <u>MW</u> (MW, EW, PZ, etc.)	ACTION	TIME	PUMP RATE (gpm)	DTW
	Diameter <u>2"</u>	Start Pump / Begin	<u>1253</u>	<u>0.53</u>	<u>5.05</u>
	<u>.165</u> gal/ft. casing	<u>1.5</u>	<u>1255</u>		<u>5.14</u>
		<u>3</u>	<u>1258</u>		<u>5.00</u>
		<u>5</u>	<u>1300</u>		<u>5.16</u>
		Stop	<u>1303</u>		<u>5.1</u>
		Sampled	<u>1310</u>		
		Final IWL			

PURGE CALCULATION

.165 gal/ft. * 11.07 ft. = 1.83 gals. X 3 = 5.47 gals.

2" = 0.165 gal/ft. 4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Description of Event:
Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sondax / meters

Actual gallons purged 6

Actual volumes purged 3+

Well Yield ⊕ _____

COC # _____

Additional Comments:

Sample I.D.	Analysis	Lab
<u>MW-2</u>	<u>8021</u>	<u>ENTECH</u>
↓	<u>TPH-Gas</u>	↓
	<u>Diesel/Motor</u>	
	<u>Nitrate/Sulfate</u>	↓

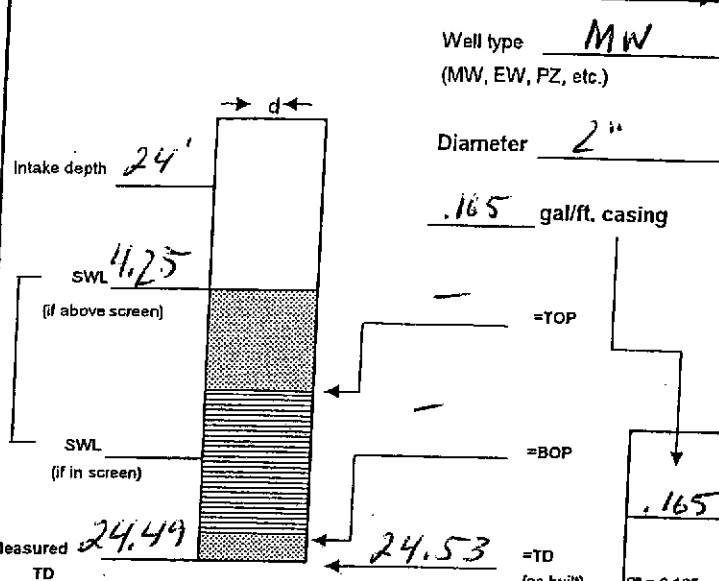
Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
<u>1.5</u>	<u>24.6</u>	<u>482</u>	<u>7.10</u>	<u>---</u>	<u>Fe 0.00</u>
<u>3</u>	<u>22.2</u>	<u>500</u>	<u>6.99</u>	<u>---</u>	<u>DO 1.48 mg/L</u>
<u>5</u>	<u>21.8</u>	<u>474</u>	<u>7.09</u>	<u>---</u>	<u>ORP 62 mV</u>
4.					
5.					
6.					
7.					
8.					
9.					
10.					

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

**CAMERON-COLE
SAMPLING EVENT DATA SHEET**

WELL OR LOCATION MW-7

PROJECT Emeryville EVENT Quarterly SAMPLER MMD DATE 2/10/04



ACTION	TIME	PUMP RATE	DTW
		(gpm)	
Start Pump / Begin	1028	.13	5.49
3 gal	1100		8.21
6	1130		9.41
9 ↓	1200	↓	9.47
Stop	1210		
Sampled	MMD 1205 1215		9.44
Final IWL			

PURGE CALCULATION

.165 gal/ft. * 20.28 ft. = 3.35 gals. X 3 = 10.04 gals.

SWL to BOP or TD one volume
4" = 0.65 gal/ft. 6" = 1.47 gal/ft.

Equipment Used / Sampling Method / Description of Event:

Cent pump used to purge
disposable bailer used to sample
washed / rinsed
sounder / meters

Actual gallons purged 10.

Actual volumes purged 3+

Well Yield ⊕ _____

COC # _____

Sample I.D.	Analysis	Lab
<u>MW-7</u>	<u>8021</u>	<u>ENTECH</u>
↓	<u>TPH - GAS</u>	↓
	<u>Diesel / motor</u>	
	<u>Nitrate / Sulfate</u>	

Additional Comments:

Gallons Purged *	Temp °C	EC (us / cm)	pH	Turbidity (NTU)	Other
1. <u>3 gal</u>	<u>30.4</u>	<u>851</u>	<u>6.44</u>	—	<u>Fe .81 mg/L</u>
2. <u>6 ↓</u>	<u>34.4</u>	<u>789</u>	<u>6.42</u>	—	<u>DO 1.63</u>
3. <u>9 ↓</u>	<u>40.2</u>	<u>796</u>	<u>6.39</u>	—	<u>ORP -23</u>
4.					
5.					
6.					
7.					
8.					
9.					
10.					

*Take measurement at approximately each casing volume purged. ⊕

HY - Minimal W.L. drop

MY - WL drop - able to purge 3 volumes during one sitting by reducing pump rate or cycling pump

LY - Able to purge 3 volumes by returning later or next day.

VLY - Minimal recharge - unable to purge 3 volumes.