TRC

Customer-Focused Solutions

20352

April 28, 2004

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS KOSEL

SITE: 76 STATION 5484
18950 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

RE: ANNUAL MONITORING REPORT
MARCH 2003 THROUGH MARCH 2004

Dear Mr. Kosel:

Please find enclosed our Annual Monitoring Report for 76 Station 5484, located at 18950 Lake Chabot Road, Castro Valley, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan

Anju Farfan
QMS Operations Manager

CC: Alameda County Health Care Services Division
Mr. Steve Meeks, Delta Environment

Enclosures
20-0400/5484R01.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-727-9336 • Fax 949-727-7399

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FLUID LEVEL MONITORING AND GROUNDWATER SAMPLING REPORT

MARCH 2003 THROUGH MARCH 2004

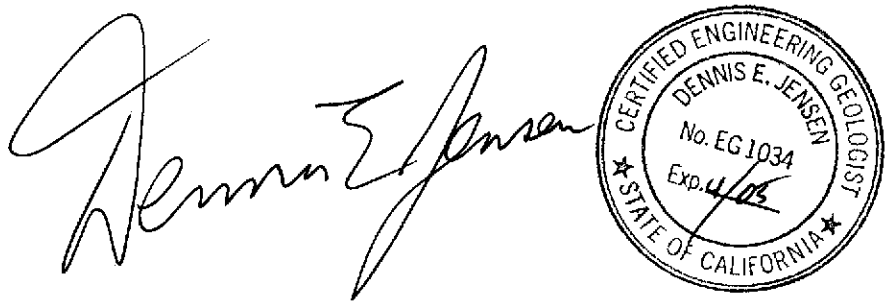
April 28, 2004

76 Station 5484
18950 Lake Chabot
Castro Valley, California

Prepared For:

Mr. Thomas Kosel
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

21 Technology Drive • Irvine, California 92618
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GROUNDWATER MONITORING REPORT

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Summary of Gauging and Sampling Activities

76 Station 5484
18950 Lake Chabot Road
Castro Valley, CA

Site Information:

Site:	76 Station 18950 Lake Chabot Road Castro Valley, CA
Project Coordinator/Phone Number:	Thomas Kosel/916-558-7666
Groundwater wells onsite:	3
Groundwater wells offsite:	2

Field Activity:

Sampling consultant:	TRC
Date(s) sampled:	03/26/04
Groundwater wells gauged:	4
Groundwater wells sampled:	2
Purging method:	diaphragm pump
Treatment/disposal method during sampling event:	Onyx/Rodeo Unit 100
Free product pumpouts other than sampling event:	No
Treatment/Disposal method during free product pumpouts:	N/A

Site Hydrogeology:

Minimum depth to groundwater (feet bgs):	4.66
Maximum depth to groundwater (feet bgs):	7.25
Average groundwater elevation (feet relative to mean sea level):	225.12
Average change in groundwater elevations since previous event (feet):	-0.56
Groundwater gradient and flow direction:	0.1 ft/ft, south

Groundwater Condition (Benzene Maximum Contaminant Level [MCL] = 1.0 µg/l)

Wells with benzene concentrations below MCL:	1
Wells with benzene concentrations at or above MCL:	1
Minimum benzene concentration (µg/l):	ND
Maximum benzene concentration (µg/l):	34 (MW-7)
Minimum MTBE concentration (µg/l):	ND
Maximum MTBE concentration (µg/l):	1200 (MW-7)
Minimum TPH-G concentration (µg/l):	ND
Maximum TPH-G concentration (µg/l):	2800 (MW-7)
Groundwater wells with free product:	0
Minimum free product thickness (feet):	0
Maximum free product thickness (feet):	0

Additional Information:

MW-2=Monitored Only, MW-4=Unable to locate, MW-6=Monitored Only,

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

TABLES

TABLE KEY

ABBREVIATIONS / SYMBOLS

LPH	=	liquid-phase hydrocarbons
µg/l	=	micrograms per liter
mg/l	=	milligrams per liter
ND	=	not detected at or above laboratory detection limit
DTSC	=	Department of Toxic Substances Control
N/A	=	not applicable
Trace	=	less than 0.01 foot of LPH in well
USTs	=	underground storage tanks
--	=	not analyzed, measured, or collected
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
BTEX	=	benzene, toluene, ethylbenzene, and total xylenes
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
MTBE	=	methyl tertiary butyl ether
TAME	=	tertiary amyl methyl ether
ETBE	=	ethyl tertiary butyl ether
DIPE	=	di-isopropyl ether
TBA	=	tertiary butyl alcohol
1,1-DCA	=	1,1-Dichloroethane
1,2-DCA	=	1,2-Dichloroethane
1,1-DCE	=	1,1-Dichloroethene
1,2-DCE	=	cis- and trans-1,2-Dichloroethene
PCE	=	tetrachloroethene
TCA	=	trichloroethane
TCE	=	trichloroethene
PCB	=	polychlorinated biphenyls
TPPH	=	total purgeable petroleum hydrocarbons

NOTES

Elevations are in feet above mean sea level.

Groundwater elevation for wells with LPH is calculated as follows:

Surface elevation – depth to water + (0.75 x LPH thickness).

Concentration Graphs have been modified to plot non-detect results at the reporting limit stated in the official laboratory report. All non-detect results prior to the Second Quarter 2000 were plotted at 0.1 µg/l for graphical display.

Samples from wells MW-5 and MW-7 were each analyzed for 65 SVOCs compounds by EPA Method 8270C. Di-n-octyl phthalate was reported at 6.0 µg/l in MW-5. Napthalene and 2-methylnapthalene were detected at 17 µg/l and 23 µg/l respectively in MW-7. All other SVOCs were nondetect.

J = estimated concentration, value is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL)

REFERENCE

TRC began groundwater monitoring and sampling activities in October 2003. Historical data for 76 Station 5484 was provided by Gettler-Ryan Inc., Dublin, California, in an excel table received in September 2003.

Table 1

SUMMARY OF GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

March 26, 2004

76 Station 5484

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2														
03/26/04	228.88	4.66	0.00	224.22	-0.42	--	--	--	--	--	--	--	--	Monitored Only
MW-4														
03/26/04	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-5														
03/26/04	225.11	6.93	0.00	218.18	-1.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
MW-6														
03/26/04	239.04	5.10	0.00	233.94	0.03	--	--	--	--	--	--	--	--	Monitored Only
MW-7														
03/26/04	231.39	7.25	0.00	224.14	-0.83	2800	--	34	ND<25	120	33	1200	--	

Table 2

HISTORIC GROUNDWATER LEVELS AND CHEMICAL ANALYSIS RESULTS

May 1991 Through March 2004

76 Station 5484

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-2														
05/23/91	229.47	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/20/91	229.47	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/19/91	229.47	--	--	--	--	140	--	0.66	ND	0.64	1.2	--	--	
03/20/92	229.47	--	--	--	--	120	--	ND	ND	ND	ND	--	--	
06/18/92	229.47	--	--	--	--	140	--	ND	ND	ND	ND	--	--	
09/10/92	229.47	--	--	--	--	61	--	ND	ND	ND	ND	110	--	
12/10/92	229.47	--	--	--	--	100	--	ND	ND	ND	ND	170	--	
03/10/93	229.47	4.69	0.00	224.78	--	110	--	ND	ND	ND	ND	350	--	
06/09/93	229.47	5.85	0.00	223.62	-1.16	120	--	ND	ND	ND	ND	300	--	
09/09/93	228.88	6.59	0.00	222.29	-1.33	210	--	ND	ND	ND	ND	--	--	
12/09/93	228.88	6.94	0.00	221.94	-0.35	96	--	ND	ND	ND	ND	--	--	
03/03/94	228.88	4.91	0.00	223.97	2.03	240	--	ND	ND	ND	ND	--	--	
06/03/94	228.88	5.71	0.00	223.17	-0.80	190	--	ND	ND	ND	ND	--	--	
09/02/94	228.88	7.05	0.00	221.83	-1.34	720	--	ND	ND	ND	4.6	--	--	
12/01/94	228.88	6.98	0.00	221.90	0.07	200	--	0.7	ND	0.58	ND	--	--	
03/01/95	228.88	4.60	0.00	224.28	2.38	ND	--	ND	ND	ND	ND	--	--	
06/01/95	228.88	4.65	0.00	224.23	-0.05	420	--	ND	ND	ND	ND	--	--	
09/05/95	228.88	5.66	0.00	223.22	-1.01	ND	--	ND	0.8	ND	0.74	5	--	
12/05/95	228.88	6.32	0.00	222.56	-0.66	ND	--	ND	ND	ND	ND	390	--	
04/11/96	228.88	4.22	0.00	224.66	--	--	--	--	--	--	--	--	--	Not Sampled
03/13/97	228.88	6.58	0.00	222.30	-2.36	--	--	--	--	--	--	--	--	
03/02/98	228.88	5.18	0.00	223.70	1.40	--	--	--	--	--	--	--	--	
03/25/99	228.88	4.84	0.00	224.04	0.34	--	--	--	--	--	--	--	--	
03/07/00	228.88	4.92	0.00	223.96	-0.08	--	--	--	--	--	--	--	--	
03/28/01	228.88	4.37	0.00	224.51	0.55	--	--	--	--	--	--	--	--	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-4 continued														
03/09/02	227.77	6.64	0.00	221.13	0.98	270	--	3.1	ND<1.0	5	ND<1.0	1200	--	
03/24/03	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/26/04	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
MW-5														
05/23/91	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/20/91	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/10/91	225.42	--	--	--	--	--	--	--	--	--	--	--	--	
12/19/91	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/20/92	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/18/92	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/10/92	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/10/92	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/10/93	225.42	7.67	0.00	217.75	--	ND	--	ND	ND	ND	ND	--	--	
06/09/93	225.42	8.57	0.00	216.85	-0.90	ND	--	ND	ND	ND	ND	--	--	
09/09/93	225.11	9.12	0.00	215.99	-0.86	ND	--	ND	ND	ND	ND	--	--	
12/09/93	225.11	9.97	0.00	215.14	-0.85	ND	--	ND	ND	ND	ND	--	--	
03/03/94	225.11	7.87	0.00	217.24	2.10	ND	--	ND	ND	0.71	1.7	ND	--	
06/03/94	225.11	9.01	0.00	216.10	-1.14	ND	--	ND	ND	ND	ND	--	--	
09/02/94	225.11	9.23	0.00	215.88	-0.22	ND	--	ND	ND	ND	ND	--	--	
12/01/94	225.11	9.18	0.00	215.93	0.05	ND	--	ND	ND	ND	ND	--	--	
03/01/95	225.11	7.98	0.00	217.13	1.20	ND	--	ND	ND	ND	ND	--	--	
06/01/95	225.11	8.21	0.00	216.90	-0.23	ND	--	ND	ND	ND	ND	--	--	
09/05/95	225.11	9.57	0.00	215.54	-1.36	ND	--	ND	0.95	ND	0.87	5	--	
12/05/95	225.11	9.60	0.00	215.51	-0.03	ND	--	ND	ND	ND	ND	27	--	
04/11/96	225.11	7.48	0.00	217.63	--	ND	--	ND	ND	ND	ND	56	--	
03/13/97	225.11	9.56	0.00	215.55	-2.08	ND	--	ND	ND	ND	ND	ND	--	
03/02/98	225.11	8.96	0.00	216.15	0.60	ND	--	ND	ND	ND	ND	ND	--	
03/25/99	225.11	7.53	0.00	217.58	1.43	ND	--	ND	ND	ND	ND	3.9	--	
03/07/00	225.11	7.49	0.00	217.62	0.04	ND	--	ND	1.13	ND	ND	ND	--	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
03/28/01	225.11	6.83	0.00	218.28	0.66	ND	--	ND	ND	ND	ND	ND	--	
03/09/02	225.11	5.85	0.00	219.26	0.98	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/24/03	225.11	5.90	0.00	219.21	-0.05	56	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/26/04	225.11	6.93	0.00	218.18	-1.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
MW-6														
05/23/91	239.38	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/20/91	239.38	--	--	--	--	--	--	--	--	--	--	--	--	Sampled semi-annually
12/19/91	239.38	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/10/92	239.38	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/10/93	239.38	5.32	0.00	234.06	--	--	--	--	--	--	--	--	--	
06/09/93	239.38	5.94	0.00	233.44	-0.62	ND	--	ND	ND	ND	ND	--	--	
09/09/93	239.04	6.82	0.00	232.22	-1.22	--	--	--	--	--	--	--	--	
12/09/93	239.04	7.43	0.00	231.61	-0.61	150	--	ND	ND	ND	1.7	--	--	
03/03/94	239.04	6.45	0.00	232.59	0.98	--	--	--	--	--	--	--	--	
06/03/94	239.04	5.81	0.00	233.23	0.64	ND	--	ND	ND	ND	ND	--	--	
09/02/94	239.04	6.98	0.00	232.06	-1.17	--	--	--	--	--	--	--	--	
12/01/94	239.04	6.92	0.00	232.12	0.06	ND	--	ND	ND	ND	ND	--	--	
03/01/95	239.04	5.17	0.00	233.87	1.75	--	--	--	--	--	--	--	--	
06/01/95	239.04	4.76	0.00	234.28	0.41	ND	--	ND	0.7	ND	1.7	--	--	
09/05/95	239.04	5.69	0.00	233.35	-0.93	--	--	--	--	--	--	--	--	
12/05/95	239.04	6.75	0.00	232.29	-1.06	ND	--	ND	ND	ND	ND	1.4	--	
04/11/96	239.04	4.28	0.00	234.76	--	--	--	--	--	--	--	--	--	Not Sampled
03/13/97	239.04	7.05	0.00	231.99	-2.77	--	--	--	--	--	--	--	--	
03/02/98	239.04	5.14	0.00	233.90	1.91	--	--	--	--	--	--	--	--	
03/25/99	239.04	5.05	0.00	233.99	0.09	--	--	--	--	--	--	--	--	
03/07/00	239.04	5.15	0.00	233.89	-0.10	--	--	--	--	--	--	--	--	
03/28/01	239.04	5.17	0.00	233.87	-0.02	--	--	--	--	--	--	--	--	
03/09/02	239.04	5.13	0.00	233.91	0.04	--	--	--	--	--	--	--	--	
03/24/03	239.04	5.13	0.00	233.91	0.00	--	--	--	--	--	--	--	--	

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-6 continued														
03/26/04	239.04	5.10	0.00	233.94	0.03	--	--	--	--	--	--	--	--	Monitored Only
MW-7														
05/23/91	231.66	--	--	--	--	3000	--	160	1.2	25	120	--	--	
09/20/91	231.66	--	--	--	--	1400	--	160	0.75	89	130	--	--	
12/19/91	231.66	--	--	--	--	3900	--	240	2.4	280	270	--	--	
03/20/92	231.66	--	--	--	--	11000	--	980	ND	990	1600	--	--	
06/18/92	231.66	--	--	--	--	5500	--	340	4.2	380	410	--	--	
09/10/92	231.66	--	--	--	--	2100	--	160	1.9	140	150	--	--	
12/10/92	231.66	--	--	--	--	1200	--	28	ND	37	13	--	--	
03/10/93	231.66	7.69	0.00	223.97	--	4400	--	310	ND	300	330	--	--	
06/09/93	231.66	8.59	0.00	223.07	-0.90	4600	--	430	ND	510	430	--	--	
09/09/93	231.39	10.11	0.00	221.28	-1.79	2,600	--	160	19	250	120	--	--	
12/09/93	231.39	10.65	0.00	220.74	-0.54	980	--	54	4.6	71	5.6	--	--	
03/03/94	231.39	8.17	0.00	223.22	2.48	9300	--	290	ND	590	400	1.7	--	
06/03/94	231.39	8.73	0.00	222.66	-0.56	9400	--	380	5	820	240	--	--	
09/02/94	231.39	11.00	0.00	220.39	-2.27	3800	--	77	ND	180	42	--	--	
12/01/94	231.39	10.95	0.00	220.44	0.05	3100	--	80	ND	250	190	--	--	
03/01/95	231.39	8.03	0.00	223.36	2.92	3300	--	200	3.9	300	350	--	--	
06/01/95	231.39	7.92	0.00	223.47	0.11	3900	--	170	ND	400	430	--	--	
09/05/95	231.39	8.61	0.00	222.78	-0.69	710	--	32	ND	85	33	5	--	
12/05/95	231.39	9.69	0.00	221.70	-1.08	400	--	23	ND	34	16	1600	--	
12/08/95	231.39	9.59	0.00	221.80	0.10	--	--	--	--	--	--	--	--	
04/11/96	231.39	7.31	0.00	224.08	2.28	1500	--	52	ND	160	130	1500	--	
03/13/97	231.39	9.48	0.00	221.91	-2.17	460	--	13	ND	31	4	430	--	
03/02/98	231.39	7.93	0.00	223.46	1.55	1800	--	63	ND	240	60	790	--	
03/25/99	231.39	7.25	0.00	224.14	0.68	380	--	6.4	ND	10	4.9	1200	--	
03/07/00	231.39	7.12	0.00	224.27	0.13	199	--	3.51	ND	3.30	0.697	1,250	--	
03/28/01	231.39	6.92	0.00	224.47	0.20	734	--	19.6	0.514	23.3	6.13	1,070	1260	
03/09/02	231.39	6.48	0.00	224.91	0.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	

Table 3
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 5484

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Chlorobenzene (µg/l)	2-Chloroethyl vinyl (µg/l)	DBCM (µg/l)	PCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,3-Dichlorobenzene (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	1,1,1-TCE (µg/l)
MW-4															
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
09/20/91	450	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/10/91	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/92	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/18/92	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/92	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/10/92	83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/93	69	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/93	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/09/93	58	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/09/93	87	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/03/94	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/94	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/94	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/01/94	79	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/01/95	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/01/95	57	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/05/95	210	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/95	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Chlorobenzene (µg/l)	2-Chloroethyl vinyl (µg/l)	DBCM (µg/l)	PCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,3-Dichlorobenzene (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	1,1,1-TCE (µg/l)
MW-5 continued															
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	69.7	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.50	--
03/24/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.50	--
03/26/04	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-7															
05/23/91	540	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/20/91	580	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/19/91	770	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/92	3200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/18/92	990	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/92	290	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/10/92	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/93	1,100	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/93	830	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/09/93	550	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/09/93	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/03/94	1,400	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/94	2,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/94	490	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/01/94	260	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/01/95	1,900	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/01/95	1,600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/05/95	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/95	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	TPH-D (µg/l)	cis-1,3-dichloropropene (µg/l)	trans-1,3-Dichloropropene (µg/l)	1,4-Dichlorobenzene (µg/l)	EDC (µg/l)	Chlorobenzene (µg/l)	2-Chloroethyl vinyl (µg/l)	DBCM (µg/l)	PCE (µg/l)	cis-1,2-DCE (µg/l)	trans-1,2-DCE (µg/l)	1,3-Dichlorobenzene (µg/l)	Carbon Tetrachloride (µg/l)	Chloroform (µg/l)	1,1,1-TCE (µg/l)
MW-7 continued															
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.50	--
03/24/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.50	--
03/26/04	--	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10

Table 3b
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 5484

Date Sampled	Bromo-methane (µg/l)	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Bromoform (µg/l)	BDCM (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	Trichloro-fluoro-methane (µg/l)	Trichloro-trifluoro-ethane (µg/l)	1,2-dichloro-propane (µg/l)	1,1,2-TCA (µg/l)	TCE (µg/l)	1,1,2,2-Tetrachloro ethane (µg/l)
MW-4															
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
09/20/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/10/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/18/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/01/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	Bromo-methane (µg/l)	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Bromoform (µg/l)	BDCM (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	Trichloro-fluoro-methane (µg/l)	Trichloro-trifluoro-ethane (µg/l)	1,2-dichloro-propane (µg/l)	1,1,2-TCA (µg/l)	TCE (µg/l)	1,1,2,2-Tetrachloro ethane (µg/l)
MW-5 continued															
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	ND<1.0	ND<1.0	ND<1.0	ND<0.50	ND<5.0	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-7															
05/23/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/20/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/19/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/18/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/01/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	Bromo-methane (µg/l)	Chloro-methane (µg/l)	Chloro-ethane (µg/l)	Vinyl chloride (µg/l)	Methylene chloride (µg/l)	Bromoform (µg/l)	BDCM (µg/l)	1,1-DCA (µg/l)	1,1-DCE (µg/l)	Trichloro-fluoro-methane (µg/l)	Trichloro-trifluoro-ethane (µg/l)	1,2-dichloro-propane (µg/l)	1,1,2-TCA (µg/l)	TCE (µg/l)	1,1,2,2-Tetrachloro ethane (µg/l)
MW-7 continued															
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	ND<20	ND<20	ND<20	ND<10	ND<100	ND<40	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10

Table 3c
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 5484

Date Sampled	1,2-DCB (µg/l)	Dichloro-difluoro-methane (µg/l)	EDB (µg/l)	1,2,4-Trichloro-benzene (µg/l)	HCBD (µg/l)	Naphth-alene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Acenaph-thylene (µg/l)	Acenaph-thene (µg/l)	Fluorene (µg/l)	Phenan-threne (µg/l)	Anthra-cene (µg/l)
MW-4															
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
09/20/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/10/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/18/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/01/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	1,2-DCB (µg/l)	Dichloro-difluoro-methane (µg/l)	EDB (µg/l)	1,2,4-Trichloro-benzene (µg/l)	HCBD (µg/l)	Naphth-alene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Acenaph-thylene (µg/l)	Acenaph-thene (µg/l)	Fluorene (µg/l)	Phenan-threne (µg/l)	Anthra-cene (µg/l)
MW-5 continued															
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	ND<0.50	ND<1.0	--	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
MW-7															
05/23/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/20/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/19/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/18/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/01/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date Sampled	1,2-DCB (µg/l)	Dichloro-difluoro-methane (µg/l)	EDB (µg/l)	1,2,4-Trichloro-benzene (µg/l)	HCBD (µg/l)	Naphth-alene (µg/l)	TAME 8260B (µg/l)	TBA 8260B (µg/l)	DIPE 8260B (µg/l)	ETBE 8260B (µg/l)	Acenaph-thylene (µg/l)	Acenaph-thene (µg/l)	Fluorene (µg/l)	Phenan-threne (µg/l)	Anthra-cene (µg/l)
MW-7 continued															
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	ND	--	--	--	ND	ND	ND	ND	--	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	ND<10	ND<20	--	ND<2.0	ND<2.0	17	--	--	--	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 3d
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 5484

Date Sampled	Fluoran-thene (µg/l)	Pyrene (µg/l)	Benzo (a)Anth-racene (µg/l)	Chrysene (µg/l)	B(b)Fl (µg/l)	B(k)F (µg/l)	Benzo(a) Pyrene (µg/l)	DB(a,h)A (µg/l)	Benzo (g,h,i)-Perylene (µg/l)	Indeno (1,2,3c,d)-Pyrene (µg/l)	Bis(2-ethylhexyl) - phthalate (µg/l)	2-Methyl-phenol (µg/l)	4-Methyl-phenol (µg/l)	TOG (mg/l)	1,2 DCE (µg/l)
MW-4															
04/11/96	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/13/97	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	--
MW-5															
09/20/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/10/91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/18/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/93	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
06/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/02/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/01/94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--

Date Sampled	Fluoran-thene (µg/l)	Pyrene (µg/l)	Benzo (a)Anth-racene (µg/l)	Chrysene (µg/l)	B(b)Fl (µg/l)	B(k)F (µg/l)	Benzo(a) Pyrene (µg/l)	DB(a,h)A (µg/l)	Benzo (g,h,i)-Perylene (µg/l)	Indeno (1,2,3c,d)-Pyrene (µg/l)	Bis(2-ethylhexyl) - phthalate (µg/l)	2-Methyl-phenol (µg/l)	4-Methyl-phenol (µg/l)	TOG (mg/l)	1,2 DCE (µg/l)
MW-5 continued															
03/13/97	--	--	--	--	--	--	--	--	--	--	740	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	--
03/24/03	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	ND<0.50
03/26/04	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--	--
MW-7															
05/23/91	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
09/20/91	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
12/19/91	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/20/92	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
06/18/92	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
09/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/10/92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/93	--	--	--	--	--	--	--	--	--	--	13	--	--	--	--
06/09/93	--	--	--	--	--	--	--	--	--	--	13	--	--	--	--
09/09/93	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
12/09/93	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/03/94	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
06/03/94	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
09/02/94	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
12/01/94	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/01/95	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
06/01/95	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
09/05/95	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
12/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/95	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--

Date Sampled	Fluoran-thene (µg/l)	Pyrene (µg/l)	Benzo (a)Anth-racene (µg/l)	Chrysene (µg/l)	B(b)Fl (µg/l)	B(k)F (µg/l)	Benzo(a) Pyrene (µg/l)	DB(a,h)A (µg/l)	Benzo (g,h,i)-Perylene (µg/l)	Indeno (1,2,3c,d)-Pyrene (µg/l)	Bis(2-ethylhexyl) - phthalate (µg/l)	2-Methyl-phenol (µg/l)	4-Methyl-phenol (µg/l)	TOG (mg/l)	1,2 DCE (µg/l)
MW-7 continued															
03/13/97	--	--	--	--	--	--	--	--	--	--	120	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	ND
03/09/02	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	--
03/24/03	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	0.98
03/26/04	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	--	--

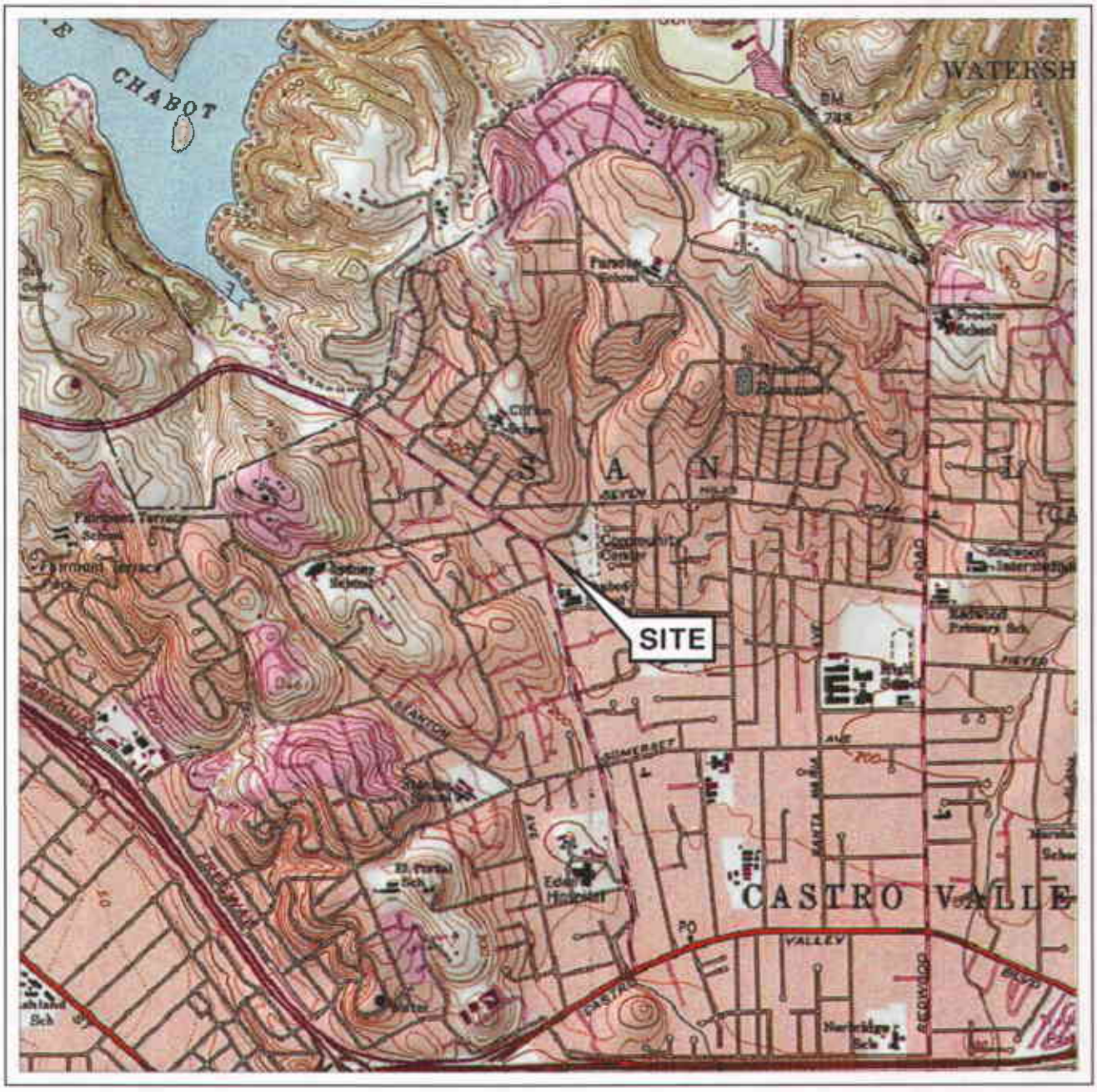
Table 3e
SUMMARY OF ADDITIONAL CHEMICAL ANALYSIS RESULTS
76 Station 5484

Date Sampled	2-Methylnaphthalene (µg/l)
MW-4	
04/11/96	--
03/13/97	--
03/25/99	--
03/07/00	--
03/28/01	--
03/09/02	--
MW-5	
09/20/91	--
10/10/91	--
03/20/92	--
06/18/92	--
09/10/92	--
12/10/92	--
03/10/93	--
06/09/93	--
09/09/93	--
12/09/93	--
03/03/94	--
06/03/94	--
09/02/94	--
12/01/94	--
03/01/95	--
06/01/95	--
09/05/95	--
12/05/95	--
04/11/96	--

Date Sampled	2-Methylnaph-thalene (µg/l)
MW-5	continued
03/13/97	--
03/25/99	--
03/07/00	--
03/28/01	--
03/09/02	--
03/24/03	--
03/26/04	ND<2.0
MW-7	
05/23/91	--
09/20/91	--
12/19/91	--
03/20/92	--
06/18/92	--
09/10/92	--
12/10/92	--
03/10/93	--
06/09/93	--
09/09/93	--
12/09/93	--
03/03/94	--
06/03/94	--
09/02/94	--
12/01/94	--
03/01/95	--
06/01/95	--
09/05/95	--
12/05/95	--
12/08/95	--
04/11/96	--

Date Sampled	2-Methylnaphthalene (µg/l)
MW-7	continued
03/13/97	--
03/25/99	--
03/07/00	--
03/28/01	--
03/09/02	--
03/24/03	--
03/26/04	23

FIGURES



0 1/4 1/2 3/4 1 MILE

SCALE 1: 24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Hayward Quadrangle

VICINITY MAP

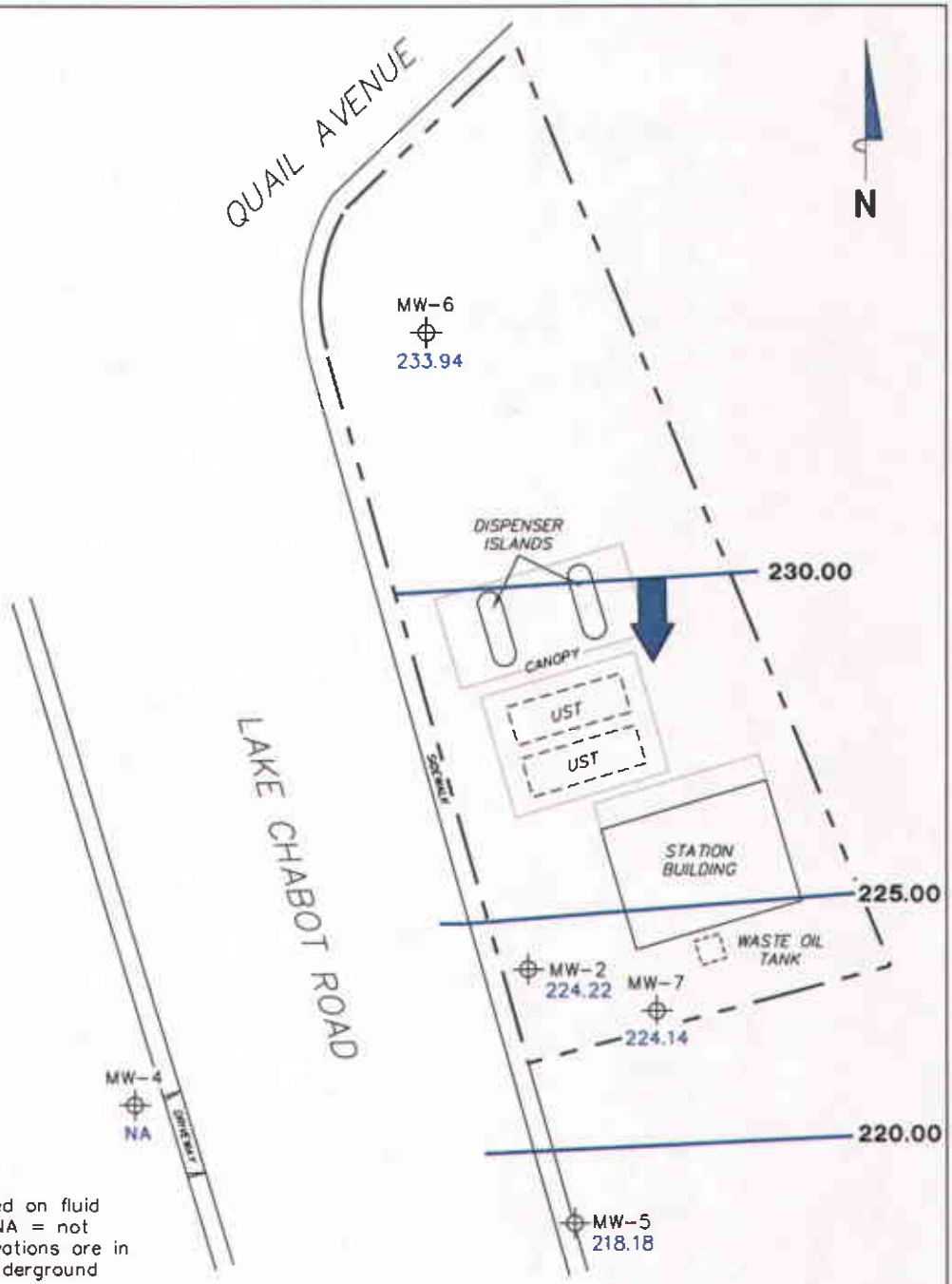
76 Station 5484
18950 Lake Chabot Road
Castro Valley, California

TRC

PS = 1:1

FIGURE 1

Graphics on Irvine-fs1(L:)\VICINITY MAPS\5484vm.dwg 4/21/04 FW



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. NA = not analyzed, measured, or collected. Elevations are in feet above mean sea level. UST = underground storage tank.

LEGEND

MW-7 ⊕ Monitoring Well with Groundwater Elevation (feet)

230.00 —— Groundwater Elevation Contour

→ General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
March 26, 2004

76 Station 5484
18950 Lake Chabot Road
Castro Valley, California

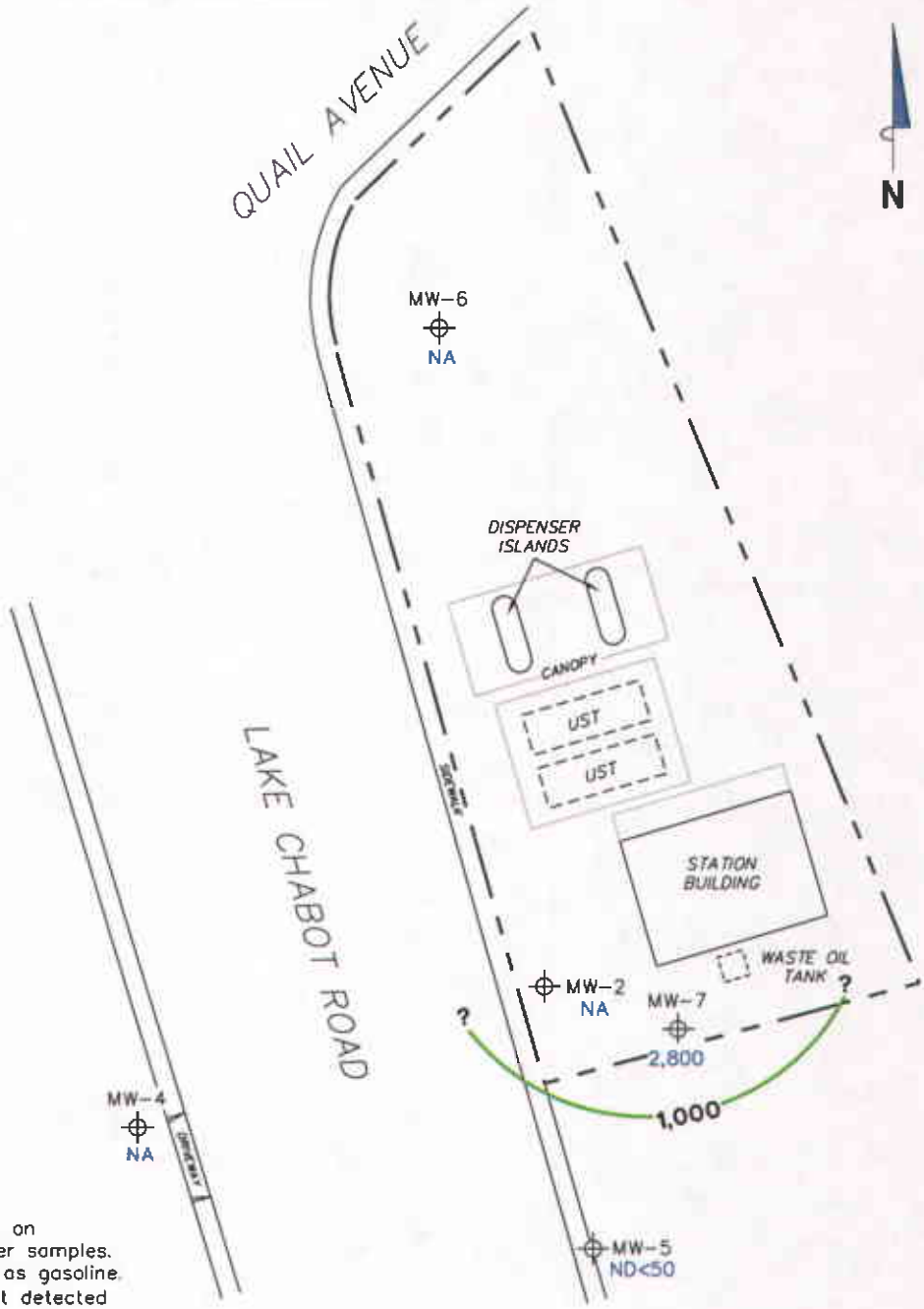
TRC

SCALE (FEET)
0 30

FIGURE 2

PS=1:1

Graphics on Irvine-fs1(L:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-5000\5484+\5484-GMS.dwg 4/23/04 dml



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-G = total petroleum hydrocarbons as gasoline. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. NA = not analyzed, measured, or collected. Results obtained using EPA Method 8015.

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)

1,000 Dissolved-Phase TPH-G Contour (µg/l)

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
March 26, 2004

76 Station 5484
18950 Lake Chabot Road
Castro Valley, California

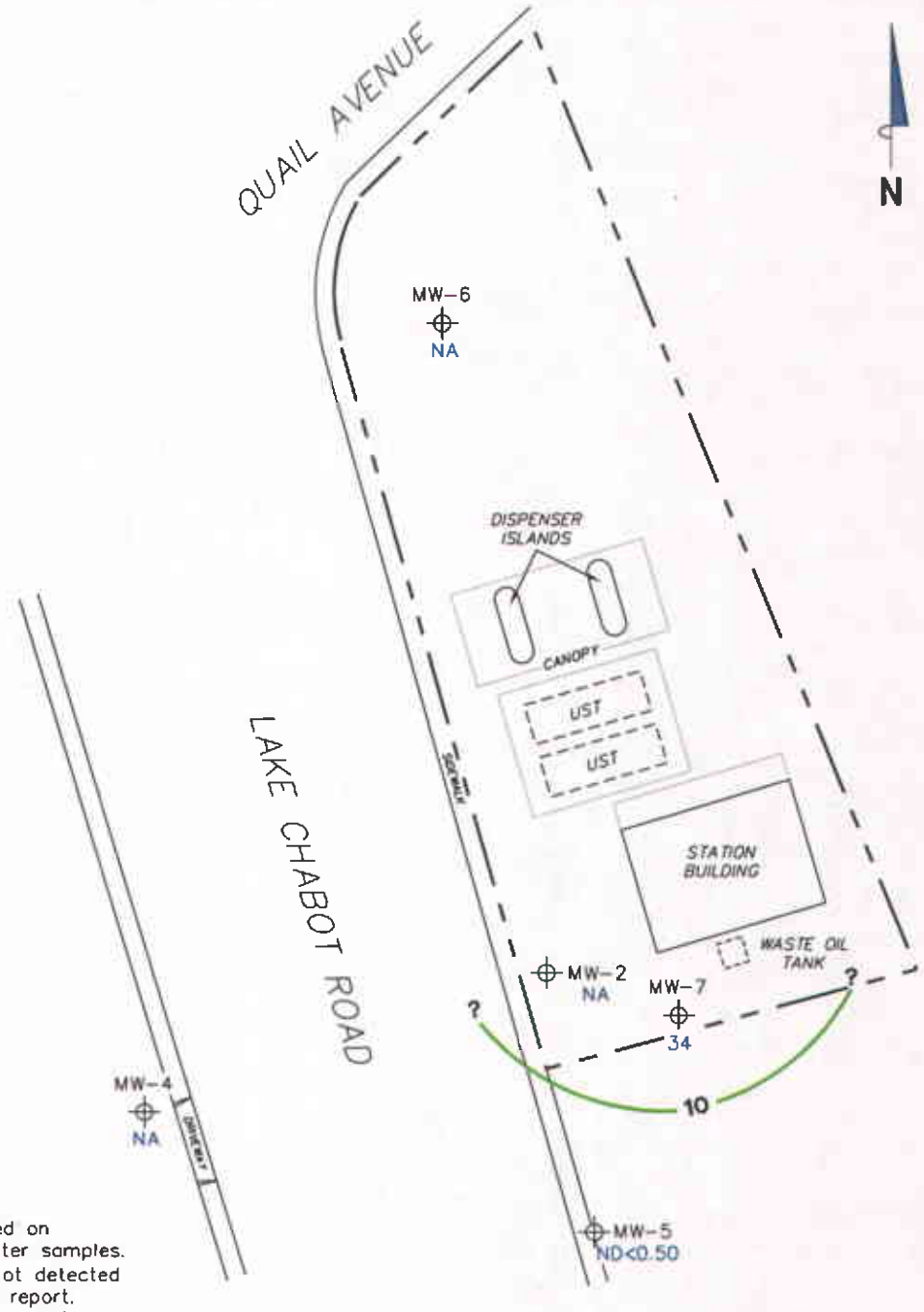
TRC

SCALE (FEET)
0 30

FIGURE 3

PS=1:1

Graphics on Irvine-fs1(L:)\GRAPHICS\Projects By..\20-xxxx\20-0400\x-5000\5484+\5484-QMS.dwg 4/23/04 dmi



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. NA = not analyzed, measured, or collected.

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

10 Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
March 26, 2004

76 Station 5484
18950 Lake Chabot Road
Castro Valley, California

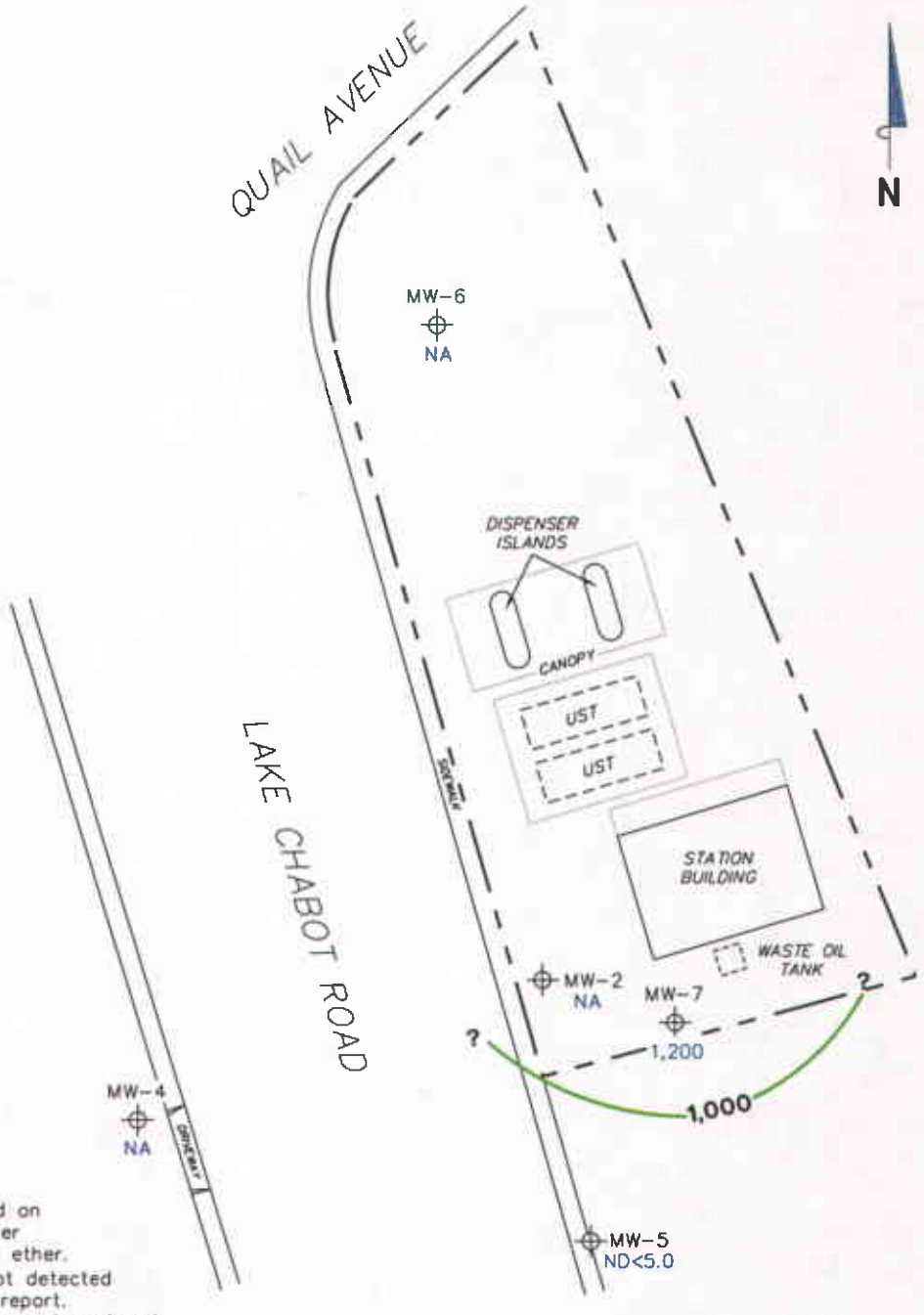
TRC

SCALE (FEET)
0 30

PS=1:1

FIGURE 4

Graphics on Irvine-fs1(L:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-5000\5484+\5484-QMS.dwg 4/23/04 dmi



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. NA = not analyzed, measured, or collected. Results obtained using EPA Method 8021B.

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

1,000 Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
March 26, 2004

76 Station 5484
18950 Lake Chabot Road
Castro Valley, California

TRC

SCALE (FEET)
0 30

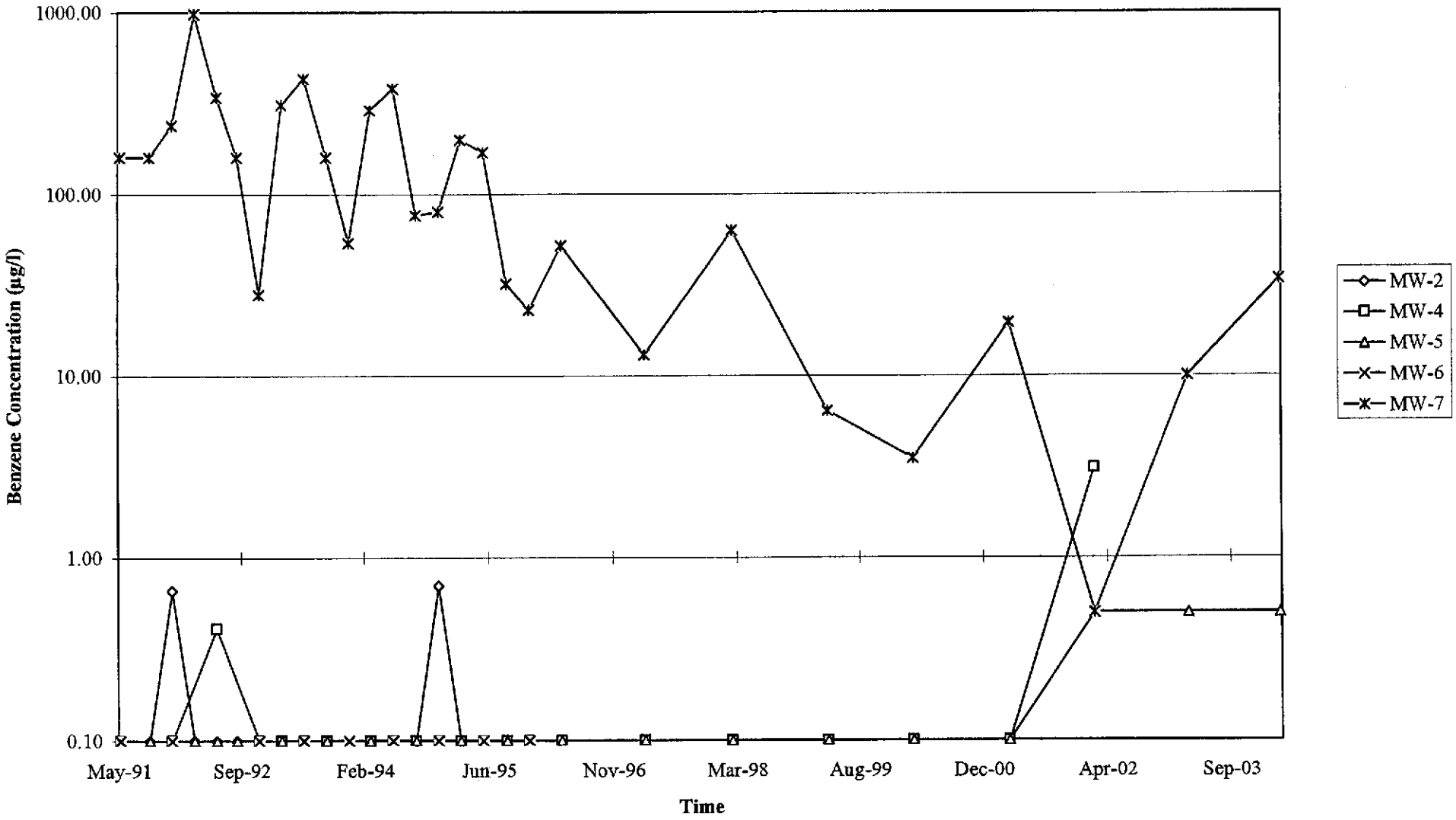
PS=1:1

FIGURE 5

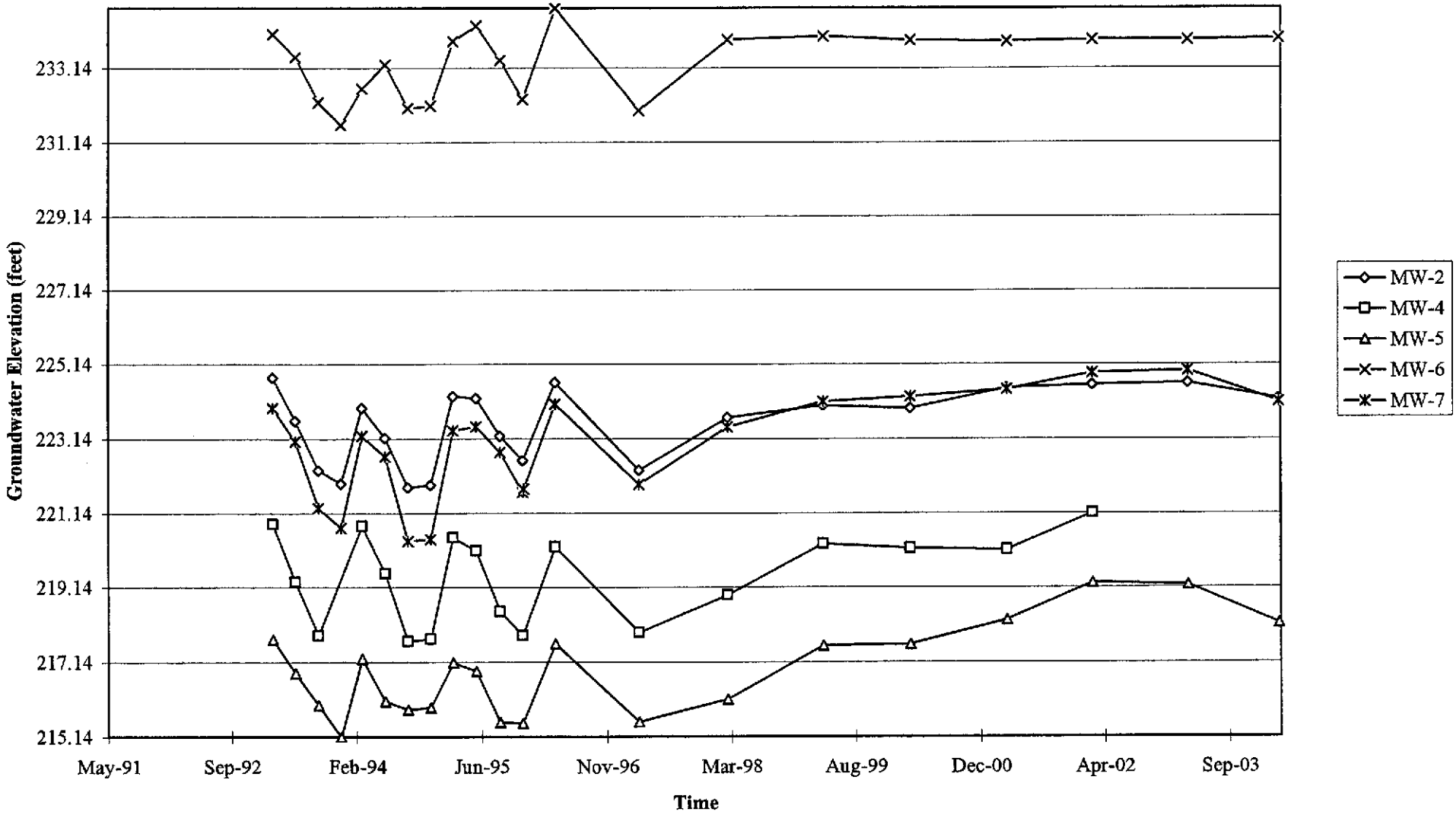
Graphics on Irvine-fs1(L:)\GRAPHICS\Projects By...\20-xxxx\20-0400\x-5000\5484+\5484-QMS.dwg 4/23/04 dml

GRAPHS

Graph 1
Benzene Concentrations vs. Time
76 Station 5484



Graph 2
Hydrograph
76 Station 5484



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage, or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurement are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular care is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, and the samplers initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging, and Sampling

The sequence in which monitoring activities are conducted are specified on the TSR. In general, wells are gauged beginning with the least-affected well and ending with the well that has highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected well to the most-affected well.

Decontamination

In order to reduce the possibility of cross-contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging and sampling activities. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated to a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: JMK Job #/Task #: 410500-1/F120 Date: 3/26/04

Site # 5484 Project Manager A. Collins Page 1 of 1

Well #	Grade	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-5		✓	23.55	6.93	ϕ	ϕ	1253	4"
MW-7		✓	19.50	7.25	ϕ	ϕ	1220	2"
MW-6		✓	24.96	5.10	ϕ	ϕ	—	4" matrix only
MW-2		✓	19.03	4.66	ϕ	ϕ	—	2" " "

FIELD DATA COMPLETE ✓	QA/QC ✓	COC ✓	WELL BOX CONDITION SHEETS ✓
WTT CERTIFICATE	MANIFEST	DRUM INVENTORY	TRAFFIC CONTROL ✓

GROUNDWATER SAMPLING FIELD NOTES

Technician: David Tenney

Site: 5484 Project No.: 410500-01/PA20 Date: 3-26-04

Well No.: MW-7 Purge Method: Dig

Depth to Water (feet): 7.25 Depth to Product (feet): 0

Total Depth (feet): 19.90 LPH & Water Recovered (gallons): 0

Water Column (feet): 12.25 Casing Diameter (Inches): 2

80% Recharge Depth (feet): 9.70 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F C)	pH	Turbidity	D.O.
1055			2	1207	17.4	6.27		
			4	1231	17.0	6.70		
	1107		6	1220	17.2	6.63		

Static at Time Sampled	Total Gallons Purged	Time Sampled
9.69	6	1220

Comments:

Well No.: Purge Method:

Depth to Water (feet): Depth to Product (feet):

Total Depth (feet): LPH & Water Recovered (gallons):

Water Column (feet): Casing Diameter (Inches):

80% Recharge Depth (feet): 1 Well Volume (gallons):

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: JAK

Site: 5484 Project No.: 41050301/FA20 Date: 5/24/04

Well No.: MW-5 Purge Method: DIA

Depth to Water (feet): 6.93 Depth to Product (feet): 0

Total Depth (feet): 23.85 LPH & Water Recovered (gallons): 0

Water Column (feet): 16.92 Casing Diameter (Inches): 4"

80% Recharge Depth (feet): 10.31 1 Well Volume (gallons): ~~16 2 10~~ 11

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
1053			~~10~~ 11	787	17.4	7.10		
			~~20~~ 22	807	16.2	7.16		
	1103		~~30~~ 33	813	18.6	7.78		

Static at Time Sampled	Total Gallons Purged	Time Sampled
15.72	33	~~10~~ 1253

Comments: Didn't recover in 2 hrs

Well No.: _____ Purge Method: _____

Depth to Water (feet): _____ Depth to Product (feet): _____

Total Depth (feet): _____ LPH & Water Recovered (gallons): _____

Water Column (feet): _____ Casing Diameter (Inches): _____

80% Recharge Depth (feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conduc-tivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments: _____

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 3/26/04 STATION NUMBER: 5494

NAME OF TECH: Jack CALLED GORDON: _____

CALLED PM: _____ NAME OF PM CALLED: _____

WELL NUMBER: MW-4 STATEMENT FROM PM _____ OR TECH _____

UNABLE TO LOCATE WELL. NEW CONDOS ON SITE WHERE WELL WAS SUPPOSED TO BE. TALK TO CONTRACTOR OF CONDOS, HE SAID HE NEVER SAW ANY WELL. CALLED A. COLLINS. (TOOK PICTURES)

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

SEVERN TRENT STL

Submission#: 2004-03-0913

TRC Alton Geoscience

April 12, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips # 5484
Site: 18950 Lake Chabot Rd., Castro Valley

Attached is our report for your samples received on 03/29/2004 17:26
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 05/13/2004 unless you have requested otherwise.
We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.
You can also contact me via email. My email address is: dsharma@stl-inc.com

Sincerely,

Dimple Sharma
Project Manager

SEVERN TRENT STL

Submission #: 2004-03-0913

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-5	03/26/2004 12:53	Water	1
MW-7	03/26/2004 12:20	Water	2

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s):	3510C/8270C	Test(s):	8270C
Sample ID:	**MW-5**	Lab ID:	2004-03-0913 - 1
Sampled:	03/26/2004 12:53	Extracted:	3/30/2004 07:47
Matrix:	Water	QC Batch#:	2004/03/30-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2-Chlorophenol	ND	2.0	ug/L	1.00	04/01/2004 19:47	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Benzyl alcohol	ND	5.0	ug/L	1.00	04/01/2004 19:47	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2-Methylphenol	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	04/01/2004 19:47	
4-Methylphenol	ND	2.0	ug/L	1.00	04/01/2004 19:47	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Hexachloroethane	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Nitrobenzene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Isophorone	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2-Nitrophenol	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	04/01/2004 19:47	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	04/01/2004 19:47	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Naphthalene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
4-Chloroaniline	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	04/01/2004 19:47	
2-Methylnaphthalene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	04/01/2004 19:47	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2-Nitroaniline	ND	10	ug/L	1.00	04/01/2004 19:47	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s): 3510C/8270C
Sample ID: **MW-5**
Sampled: 03/26/2004 12:53
Matrix: Water

Test(s): 8270C
Lab ID: 2004-03-0913 - 1
Extracted: 3/30/2004 07:47
QC Batch#: 2004/03/30-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	1.00	04/01/2004 19:47	
Acenaphthylene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
3-Nitroaniline	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Acenaphthene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2,4-Dinitrophenol	ND	10	ug/L	1.00	04/01/2004 19:47	
4-Nitrophenol	ND	10	ug/L	1.00	04/01/2004 19:47	
Dibenzofuran	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	04/01/2004 19:47	
Diethyl phthalate	ND	5.0	ug/L	1.00	04/01/2004 19:47	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	04/01/2004 19:47	
Fluorene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
4-Nitroaniline	ND	10	ug/L	1.00	04/01/2004 19:47	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	04/01/2004 19:47	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	04/01/2004 19:47	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	04/01/2004 19:47	
Hexachlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Pentachlorophenol	ND	10	ug/L	1.00	04/01/2004 19:47	
Phenanthrene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Anthracene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	04/01/2004 19:47	
Fluoranthene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Pyrene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	04/01/2004 19:47	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	04/01/2004 19:47	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	04/01/2004 19:47	
Chrysene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Di-n-octyl phthalate	6.0	5.0	ug/L	1.00	04/01/2004 19:47	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s):	3510C/8270C	Test(s):	8270C
Sample ID:	**MW-5**	Lab ID:	2004-03-0913 - 1
Sampled:	03/26/2004 12:53	Extracted:	3/30/2004 07:47
Matrix:	Water	QC Batch#:	2004/03/30-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	04/01/2004 19:47	
Benzoic acid	ND	10	ug/L	1.00	04/01/2004 19:47	
Surrogate(s)						
Nitrobenzene-d5	37.6	35-114	%	1.00	04/01/2004 19:47	
2-Fluorobiphenyl	38.2	43-116	%	1.00	04/01/2004 19:47	sl
p-Terphenyl-d14	75.8	33-141	%	1.00	04/01/2004 19:47	
2-Fluorophenol	18.9	25-100	%	1.00	04/01/2004 19:47	sl
Phenol-d6	12.4	10-110	%	1.00	04/01/2004 19:47	
2,4,6-Tribromophenol	28.2	10-123	%	1.00	04/01/2004 19:47	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s): 3510C/8270C
Sample ID: **MW-7**
Sampled: 03/26/2004 12:20
Matrix: Water

Test(s): 8270C
Lab ID: 2004-03-0913 - 2
Extracted: 3/30/2004 07:47
QC Batch#: 2004/03/30-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Phenol	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2-Chlorophenol	ND	2.0	ug/L	1.00	04/01/2004 20:16	
1,3-Dichlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
1,4-Dichlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Benzyl alcohol	ND	5.0	ug/L	1.00	04/01/2004 20:16	
1,2-Dichlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2-Methylphenol	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	1.00	04/01/2004 20:16	
4-Methylphenol	ND	2.0	ug/L	1.00	04/01/2004 20:16	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Hexachloroethane	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Nitrobenzene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Isophorone	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2-Nitrophenol	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2,4-Dimethylphenol	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	1.00	04/01/2004 20:16	
2,4-Dichlorophenol	ND	2.0	ug/L	1.00	04/01/2004 20:16	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Naphthalene	17	2.0	ug/L	1.00	04/01/2004 20:16	
4-Chloroaniline	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Hexachlorobutadiene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
4-Chloro-3-methylphenol	ND	5.0	ug/L	1.00	04/01/2004 20:16	
2-Methylnaphthalene	23	2.0	ug/L	1.00	04/01/2004 20:16	
Hexachlorocyclopentadiene	ND	5.0	ug/L	1.00	04/01/2004 20:16	
2,4,6-Trichlorophenol	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2,4,5-Trichlorophenol	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2-Chloronaphthalene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2-Nitroaniline	ND	10	ug/L	1.00	04/01/2004 20:16	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s):	3510C/8270C	Test(s):	8270C
Sample ID:	**MW-7**	Lab ID:	2004-03-0913 - 2
Sampled:	03/26/2004 12:20	Extracted:	3/30/2004 07:47
Matrix:	Water	QC Batch#:	2004/03/30-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	1.00	04/01/2004 20:16	
Acenaphthylene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
3-Nitroaniline	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Acenaphthene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2,4-Dinitrophenol	ND	10	ug/L	1.00	04/01/2004 20:16	
4-Nitrophenol	ND	10	ug/L	1.00	04/01/2004 20:16	
Dibenzofuran	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2,4-Dinitrotoluene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
2,6-Dinitrotoluene	ND	5.0	ug/L	1.00	04/01/2004 20:16	
Diethyl phthalate	ND	5.0	ug/L	1.00	04/01/2004 20:16	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	1.00	04/01/2004 20:16	
Fluorene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
4-Nitroaniline	ND	10	ug/L	1.00	04/01/2004 20:16	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	1.00	04/01/2004 20:16	
N-Nitrosodiphenylamine	ND	2.0	ug/L	1.00	04/01/2004 20:16	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	1.00	04/01/2004 20:16	
Hexachlorobenzene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Pentachlorophenol	ND	10	ug/L	1.00	04/01/2004 20:16	
Phenanthrene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Anthracene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Di-n-butyl phthalate	ND	5.0	ug/L	1.00	04/01/2004 20:16	
Fluoranthene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Pyrene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Butyl benzyl phthalate	ND	5.0	ug/L	1.00	04/01/2004 20:16	
3,3-Dichlorobenzidine	ND	5.0	ug/L	1.00	04/01/2004 20:16	
Benzo(a)anthracene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	1.00	04/01/2004 20:16	
Chrysene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Di-n-octyl phthalate	ND	5.0	ug/L	1.00	04/01/2004 20:16	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s): 3510C/8270C
Sample ID: **MW-7**
Sampled: 03/26/2004 12:20
Matrix: Water

Test(s): 8270C
Lab ID: 2004-03-0913 - 2
Extracted: 3/30/2004 07:47
QC Batch#: 2004/03/30-01.11

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Benzo(k)fluoranthene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Benzo(a)pyrene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Benzo(g,h,i)perylene	ND	2.0	ug/L	1.00	04/01/2004 20:16	
Benzoic acid	ND	10	ug/L	1.00	04/01/2004 20:16	
Surrogate(s)						
Nitrobenzene-d5	25.3	35-114	%	1.00	04/01/2004 20:16	sl
2-Fluorobiphenyl	26.6	43-116	%	1.00	04/01/2004 20:16	sl
p-Terphenyl-d14	54.6	33-141	%	1.00	04/01/2004 20:16	
2-Fluorophenol	21.5	25-100	%	1.00	04/01/2004 20:16	sl
Phenol-d6	15.2	10-110	%	1.00	04/01/2004 20:16	
2,4,6-Tribromophenol	42.0	10-123	%	1.00	04/01/2004 20:16	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 3510C/8270C
Method Blank
MB: 2004/03/30-01.11-001

Water

Test(s): 8270C
QC Batch # 2004/03/30-01.11
Date Extracted: 03/30/2004 07:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Phenol	ND	2.0	ug/L	03/30/2004 20:06	
Bis(2-chloroethyl)ether	ND	2.0	ug/L	03/30/2004 20:06	
2-Chlorophenol	ND	2.0	ug/L	03/30/2004 20:06	
1,3-Dichlorobenzene	ND	2.0	ug/L	03/30/2004 20:06	
1,4-Dichlorobenzene	ND	2.0	ug/L	03/30/2004 20:06	
Benzyl alcohol	ND	5.0	ug/L	03/30/2004 20:06	
1,2-Dichlorobenzene	ND	2.0	ug/L	03/30/2004 20:06	
2-Methylphenol	ND	2.0	ug/L	03/30/2004 20:06	
Bis(2-chloroisopropyl) ether	ND	2.0	ug/L	03/30/2004 20:06	
4-Methylphenol	ND	2.0	ug/L	03/30/2004 20:06	
N-Nitroso-di-n-propylamine	ND	2.0	ug/L	03/30/2004 20:06	
Hexachloroethane	ND	2.0	ug/L	03/30/2004 20:06	
Nitrobenzene	ND	2.0	ug/L	03/30/2004 20:06	
Isophorone	ND	2.0	ug/L	03/30/2004 20:06	
2-Nitrophenol	ND	2.0	ug/L	03/30/2004 20:06	
2,4-Dimethylphenol	ND	2.0	ug/L	03/30/2004 20:06	
Bis(2-chloroethoxy) methane	ND	5.0	ug/L	03/30/2004 20:06	
2,4-Dichlorophenol	ND	2.0	ug/L	03/30/2004 20:06	
1,2,4-Trichlorobenzene	ND	2.0	ug/L	03/30/2004 20:06	
Naphthalene	ND	2.0	ug/L	03/30/2004 20:06	
4-Chloroaniline	ND	2.0	ug/L	03/30/2004 20:06	
Hexachlorobutadiene	ND	2.0	ug/L	03/30/2004 20:06	
4-Chloro-3-methylphenol	ND	5.0	ug/L	03/30/2004 20:06	
2-Methylnaphthalene	ND	2.0	ug/L	03/30/2004 20:06	
Hexachlorocyclopentadiene	ND	5.0	ug/L	03/30/2004 20:06	
2,4,6-Trichlorophenol	ND	2.0	ug/L	03/30/2004 20:06	
2,4,5-Trichlorophenol	ND	2.0	ug/L	03/30/2004 20:06	
2-Chloronaphthalene	ND	2.0	ug/L	03/30/2004 20:06	
2-Nitroaniline	ND	10	ug/L	03/30/2004 20:06	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 3510C/8270C — Test(s): 8270C

Method Blank — **Water** — **QC Batch # 2004/03/30-01.11**

MB: 2004/03/30-01.11-001 — Date Extracted: 03/30/2004 07:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Dimethyl phthalate	ND	5.0	ug/L	03/30/2004 20:06	
Acenaphthylene	ND	2.0	ug/L	03/30/2004 20:06	
3-Nitroaniline	ND	2.0	ug/L	03/30/2004 20:06	
Acenaphthene	ND	2.0	ug/L	03/30/2004 20:06	
2,4-Dinitrophenol	ND	10	ug/L	03/30/2004 20:06	
4-Nitrophenol	ND	10	ug/L	03/30/2004 20:06	
Dibenzofuran	ND	2.0	ug/L	03/30/2004 20:06	
2,4-Dinitrotoluene	ND	2.0	ug/L	03/30/2004 20:06	
2,6-Dinitrotoluene	ND	5.0	ug/L	03/30/2004 20:06	
Diethyl phthalate	ND	5.0	ug/L	03/30/2004 20:06	
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	03/30/2004 20:06	
Fluorene	ND	2.0	ug/L	03/30/2004 20:06	
4-Nitroaniline	ND	10	ug/L	03/30/2004 20:06	
2-Methyl-4,6-dinitrophenol	ND	10	ug/L	03/30/2004 20:06	
N-Nitrosodiphenylamine	ND	2.0	ug/L	03/30/2004 20:06	
4-Bromophenyl phenyl ether	ND	5.0	ug/L	03/30/2004 20:06	
Hexachlorobenzene	ND	2.0	ug/L	03/30/2004 20:06	
Pentachlorophenol	ND	10	ug/L	03/30/2004 20:06	
Phenanthrene	ND	2.0	ug/L	03/30/2004 20:06	
Anthracene	ND	2.0	ug/L	03/30/2004 20:06	
Di-n-butyl phthalate	ND	5.0	ug/L	03/30/2004 20:06	
Fluoranthene	ND	2.0	ug/L	03/30/2004 20:06	
Pyrene	ND	2.0	ug/L	03/30/2004 20:06	
Butyl benzyl phthalate	ND	5.0	ug/L	03/30/2004 20:06	
3,3-Dichlorobenzidine	ND	5.0	ug/L	03/30/2004 20:06	
Benzo(a)anthracene	ND	2.0	ug/L	03/30/2004 20:06	
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	03/30/2004 20:06	
Chrysene	ND	2.0	ug/L	03/30/2004 20:06	
Di-n-octyl phthalate	ND	5.0	ug/L	03/30/2004 20:06	

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 3510C/8270C
Method Blank
MB: 2004/03/30-01.11-001

Water

Test(s): 8270C
QC Batch # 2004/03/30-01.11
Date Extracted: 03/30/2004 07:47

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzo(b)fluoranthene	ND	2.0	ug/L	03/30/2004 20:06	
Benzo(k)fluoranthene	ND	2.0	ug/L	03/30/2004 20:06	
Benzo(a)pyrene	ND	2.0	ug/L	03/30/2004 20:06	
Indeno(1,2,3-c,d)pyrene	ND	2.0	ug/L	03/30/2004 20:06	
Dibenzo(a,h)anthracene	ND	2.0	ug/L	03/30/2004 20:06	
Benzo(g,h,i)perylene	ND	2.0	ug/L	03/30/2004 20:06	
Benzoic acid	ND	10	ug/L	03/30/2004 20:06	
Surrogates(s)					
Nitrobenzene-d5	71.2	35-114	%	03/30/2004 20:06	
2-Fluorobiphenyl	64.8	43-116	%	03/30/2004 20:06	
p-Terphenyl-d14	72.3	33-141	%	03/30/2004 20:06	
2-Fluorophenol	40.8	25-100	%	03/30/2004 20:06	
Phenol-d6	26.8	10-110	%	03/30/2004 20:06	
2,4,6-Tribromophenol	55.9	10-123	%	03/30/2004 20:06	

Semi-volatile analysis by GC/MS - EPA8270C

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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 3510C/8270C

Test(s): 8270C

Laboratory Control Spike **Water** **QC Batch # 2004/03/30-01.11**

LCS 2004/03/30-01.11-002 Extracted: 03/30/2004 Analyzed: 03/30/2004 20:35
LCSD 2004/03/30-01.11-003 Extracted: 03/30/2004 Analyzed: 03/30/2004 21:04

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Phenol	16.0	15.4	60.0	26.7	25.7	3.8	12-89	35		
2-Chlorophenol	37.4	36.1	60.0	62.3	60.2	3.4	23-134	25		
1,4-Dichlorobenzene	15.8	18.0	30.0	52.7	60.0	13.0	36-97	30		
N-Nitroso-di-n-propylamine	18.3	18.8	30.0	61.0	62.7	2.7	10-130	34		
1,2,4-Trichlorobenzene	16.4	16.7	30.0	54.7	55.7	1.8	44-142	35		
4-Chloro-3-methylphenol	45.5	43.1	60.0	75.8	71.8	5.4	22-147	31		
Acenaphthene	20.9	20.1	30.0	69.7	67.0	4.0	56-118	30		
4-Nitrophenol	9.54	9.87	60.0	15.9	16.5	3.7	1-132	35		
2,4-Dinitrotoluene	21.2	20.5	30.0	70.7	68.3	3.5	39-139	35		
Pentachlorophenol	25.1	24.9	60.0	41.8	41.5	0.7	45-125	35	,or	,or
Pyrene	23.2	25.9	30.0	77.3	86.3	11.0	52-115	35		
Surrogates(s)										
Nitrobenzene-d5	17.3	15.3	25	69.2	61.1		35-114			
2-Fluorobiphenyl	19.5	17.7	25	78.0	70.7		43-116			
p-Terphenyl-d14	19.2	21.4	25	76.8	85.7		33-141			
2-Fluorophenol	18.8	18.7	50	37.6	37.3		25-100			
Phenol-d6	14.5	14.0	50	29.0	27.9		10-110			
2,4,6-Tribromophenol	28.9	27.0	50	57.8	54.0		10-123			

Semi-volatile analysis by GC/MS - EPA8270C

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Legend and Notes

QC Sample Comment

Lab ID: LCS 2004/03/30/01.11-2
or - Percent recovery is outside of control limit.

Lab ID: LCSD 2004/03/30/01.11-3
or - Percent recovery is outside of control limit.

Result Flag

sl

Surrogate recoveries were lower than QC limit due to matrix interference, confirmed by reanalysis.

SEVERN TRENT STL

Submission #: 2004-03-0913

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-5	03/26/2004 12:53	Water	1
MW-7	03/26/2004 12:20	Water	2

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-5**	Lab ID:	2004-03-0913 - 1
Sampled:	03/26/2004 12:53	Extracted:	4/7/2004 17:30
Matrix:	Water	QC Batch#:	2004/04/07-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	04/07/2004 17:30	
Benzene	ND	0.50	ug/L	1.00	04/07/2004 17:30	
Toluene	ND	0.50	ug/L	1.00	04/07/2004 17:30	
Ethyl benzene	ND	0.50	ug/L	1.00	04/07/2004 17:30	
Xylene(s)	ND	0.50	ug/L	1.00	04/07/2004 17:30	
MTBE	ND	5.0	ug/L	1.00	04/07/2004 17:30	
Surrogate(s)						
Trifluorotoluene	107.4	58-124	%	1.00	04/07/2004 17:30	
4-Bromofluorobenzene-FID	88.0	50-150	%	1.00	04/07/2004 17:30	

SEVERN TRENT STL

Submission #: 2004-03-0913

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s): 5030
5030

Test(s): 8015M
8021B

Sample ID: **MW-7**

Lab ID: 2004-03-0913 - 2

Sampled: 03/26/2004 12:20

Extracted: 4/8/2004 12:21

Matrix: Water

QC Batch#: 2004/04/08-01.01

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	2800	2500	ug/L	50.00	04/08/2004 12:21	
Benzene	34	25	ug/L	50.00	04/08/2004 12:21	
Toluene	ND	25	ug/L	50.00	04/08/2004 12:21	
Ethyl benzene	120	25	ug/L	50.00	04/08/2004 12:21	
Xylene(s)	33	25	ug/L	50.00	04/08/2004 12:21	
MTBE	1200	250	ug/L	50.00	04/08/2004 12:21	
Surrogate(s)						
Trifluorotoluene	83.4	58-124	%	50.00	04/08/2004 12:21	
4-Bromofluorobenzene-FID	98.6	50-150	%	50.00	04/08/2004 12:21	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 5030
5030

Test(s): 8015M
8021B

Method Blank **Water** **QC Batch # 2004/04/07-01.05**

MB: 2004/04/07-01.05-002

Date Extracted: 04/07/2004 14:15

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/07/2004 14:15	
Benzene	ND	0.5	ug/L	04/07/2004 14:15	
Toluene	ND	0.5	ug/L	04/07/2004 14:15	
Ethyl benzene	ND	0.5	ug/L	04/07/2004 14:15	
Xylene(s)	ND	0.5	ug/L	04/07/2004 14:15	
MTBE	ND	5.0	ug/L	04/07/2004 14:15	
Surrogates(s)					
Trifluorotoluene	99.8	58-124	%	04/07/2004 14:15	
4-Bromofluorobenzene-FID	82.9	50-150	%	04/07/2004 14:15	

SEVERN TRENT STL

Submission #: 2004-03-0913

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 5030
5030

Test(s): 8015M
8021B

Method Blank **Water** **QC Batch # 2004/04/08-01.01**

MB: 2004/04/08-01.01-003

Date Extracted: 04/08/2004 07:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/08/2004 07:59	
Benzene	ND	0.5	ug/L	04/08/2004 07:59	
Toluene	ND	0.5	ug/L	04/08/2004 07:59	
Ethyl benzene	ND	0.5	ug/L	04/08/2004 07:59	
Xylene(s)	ND	0.5	ug/L	04/08/2004 07:59	
MTBE	ND	5.0	ug/L	04/08/2004 07:59	
Surrogates(s)					
Trifluorotoluene	99.4	58-124	%	04/08/2004 07:59	
4-Bromofluorobenzene-FID	110.6	50-150	%	04/08/2004 07:59	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/04/07-01.05**

LCS 2004/04/07-01.05-003 Extracted: 04/07/2004 Analyzed: 04/07/2004 14:54
LCSD 2004/04/07-01.05-004 Extracted: 04/07/2004 Analyzed: 04/07/2004 15:33

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	48.4	47.2	50.0	96.8	94.4	2.5	77-123	20		
Toluene	50.4	51.0	50.0	100.8	102.0	1.2	78-122	20		
Ethyl benzene	47.2	46.9	50.0	94.4	93.8	0.6	70-130	20		
Xylene(s)	146	146	150	97.3	97.3	0.0	75-125	20		
Surrogates(s)										
Trifluorotoluene	518	491	500	103.6	98.2		58-124			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/04/07-01.05**

LCS 2004/04/07-01.05-005 Extracted: 04/07/2004 Analyzed: 04/07/2004 16:12
LCSD 2004/04/07-01.05-006 Extracted: 04/07/2004 Analyzed: 04/07/2004 16:51

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	208	203	250	83.2	81.2	2.4	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	429	412	500	85.8	82.4		50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 5030

Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/04/08-01.01**

LCS 2004/04/08-01.01-004 Extracted: 04/08/2004 Analyzed: 04/08/2004 08:49
LCSD 2004/04/08-01.01-005 Extracted: 04/08/2004 Analyzed: 04/08/2004 09:25

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	47.0	45.2	50.0	94.0	90.4	3.9	77-123	20		
Toluene	48.0	45.9	50.0	96.0	91.8	4.5	78-122	20		
Ethyl benzene	52.2	49.2	50.0	104.4	98.4	5.9	70-130	20		
Xylene(s)	155	146	150	103.3	97.3	6.0	75-125	20		
Surrogates(s)										
Trifluorotoluene	490	469	500	98.0	93.8		58-124			

SEVERN TRENT STL

Submission #: 2004-03-0913

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience
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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 5030

Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/04/08-01.01**

LCS 2004/04/08-01.01-006 Extracted: 04/08/2004 Analyzed: 04/08/2004 10:00
LCSD 2004/04/08-01.01-007 Extracted: 04/08/2004 Analyzed: 04/08/2004 10:35

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	241	238	250	96.4	95.2	1.3	75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	518	539	500	103.6	107.8		50-150			

SEVERN TRENT STL

Submission #: 2004-03-0913

Halogenated Volatile Organic Compounds by 8021B/8260B

TRC Alton Geoscience
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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-5	03/26/2004 12:53	Water	1
MW-7	03/26/2004 12:20	Water	2

Halogenated Volatile Organic Compounds by 8021B/8260B

TRC Alton Geoscience

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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s): 5030B
Test(s): 8260B

Sample ID: **MW-5**
Lab ID: 2004-03-0913 - 1

Sampled: 03/26/2004 12:53
Extracted: 4/8/2004 22:12

Matrix: Water
QC Batch#: 2004/04/08-1A.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	04/08/2004 22:12	
Vinyl chloride	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Chloroethane	ND	1.0	ug/L	1.00	04/08/2004 22:12	
Trichlorofluoromethane	ND	1.0	ug/L	1.00	04/08/2004 22:12	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Methylene chloride	ND	5.0	ug/L	1.00	04/08/2004 22:12	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
1,1-Dichloroethane	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Chloroform	ND	0.50	ug/L	1.00	04/08/2004 22:12	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Carbon tetrachloride	ND	0.50	ug/L	1.00	04/08/2004 22:12	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Trichloroethene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Bromodichloromethane	ND	0.50	ug/L	1.00	04/08/2004 22:12	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	04/08/2004 22:12	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Tetrachloroethene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Dibromochloromethane	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Chlorobenzene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Bromoform	ND	2.0	ug/L	1.00	04/08/2004 22:12	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	04/08/2004 22:12	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	04/08/2004 22:12	
Trichlorotrifluoroethane	ND	0.50	ug/L	1.00	04/08/2004 22:12	

Halogenated Volatile Organic Compounds by 8021B/8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s): 5030B
Sample ID: **MW-5**
Sampled: 03/26/2004 12:53
Matrix: Water

Test(s): 8260B
Lab ID: 2004-03-0913 - 1
Extracted: 4/8/2004 22:12
QC Batch#: 2004/04/08-1A.06

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Chloromethane	ND	1.0	ug/L	1.00	04/08/2004 22:12	
Bromomethane	ND	1.0	ug/L	1.00	04/08/2004 22:12	
Surrogate(s)						
4-Bromofluorobenzene	101.3	86-115	%	1.00	04/08/2004 22:12	
1,2-Dichloroethane-d4	93.5	76-114	%	1.00	04/08/2004 22:12	
Toluene-d8	97.5	88-110	%	1.00	04/08/2004 22:12	

SEVERN TRENT STL

Submission #: 2004-03-0913

Halogenated Volatile Organic Compounds by 8021B/8260B

TRC Alton Geoscience
Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s): 5030B
Test(s): 8260B
Sample ID: **MW-7**
Lab ID: 2004-03-0913 - 2
Sampled: 03/26/2004 12:20
Extracted: 4/8/2004 22:48
Matrix: Water
QC Batch#: 2004/04/08-1A.06
Analysis Flag: lrn (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	20	ug/L	20.00	04/08/2004 22:48	
Vinyl chloride	ND	10	ug/L	20.00	04/08/2004 22:48	
Chloroethane	ND	20	ug/L	20.00	04/08/2004 22:48	
Trichlorofluoromethane	ND	20	ug/L	20.00	04/08/2004 22:48	
1,1-Dichloroethene	ND	10	ug/L	20.00	04/08/2004 22:48	
Methylene chloride	ND	100	ug/L	20.00	04/08/2004 22:48	
trans-1,2-Dichloroethene	ND	10	ug/L	20.00	04/08/2004 22:48	
cis-1,2-Dichloroethene	ND	10	ug/L	20.00	04/08/2004 22:48	
1,1-Dichloroethane	ND	10	ug/L	20.00	04/08/2004 22:48	
Chloroform	ND	10	ug/L	20.00	04/08/2004 22:48	
1,1,1-Trichloroethane	ND	10	ug/L	20.00	04/08/2004 22:48	
Carbon tetrachloride	ND	10	ug/L	20.00	04/08/2004 22:48	
1,2-Dichloroethane	ND	10	ug/L	20.00	04/08/2004 22:48	
Trichloroethene	ND	10	ug/L	20.00	04/08/2004 22:48	
1,2-Dichloropropane	ND	10	ug/L	20.00	04/08/2004 22:48	
Bromodichloromethane	ND	10	ug/L	20.00	04/08/2004 22:48	
2-Chloroethylvinyl ether	ND	10	ug/L	20.00	04/08/2004 22:48	
trans-1,3-Dichloropropene	ND	10	ug/L	20.00	04/08/2004 22:48	
cis-1,3-Dichloropropene	ND	10	ug/L	20.00	04/08/2004 22:48	
1,1,2-Trichloroethane	ND	10	ug/L	20.00	04/08/2004 22:48	
Tetrachloroethene	ND	10	ug/L	20.00	04/08/2004 22:48	
Dibromochloromethane	ND	10	ug/L	20.00	04/08/2004 22:48	
Chlorobenzene	ND	10	ug/L	20.00	04/08/2004 22:48	
Bromoform	ND	40	ug/L	20.00	04/08/2004 22:48	
1,1,2,2-Tetrachloroethane	ND	10	ug/L	20.00	04/08/2004 22:48	
1,3-Dichlorobenzene	ND	10	ug/L	20.00	04/08/2004 22:48	
1,4-Dichlorobenzene	ND	10	ug/L	20.00	04/08/2004 22:48	

Halogenated Volatile Organic Compounds by 8021B/8260B

TRC Alton Geoscience

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21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Prep(s): 5030B
Test(s): 8260B

Sample ID: **MW-7**
Lab ID: 2004-03-0913 - 2

Sampled: 03/26/2004 12:20
Extracted: 4/8/2004 22:48

Matrix: Water
QC Batch#: 2004/04/08-1A.06

Analysis Flag: lrn (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
1,2-Dichlorobenzene	ND	10	ug/L	20.00	04/08/2004 22:48	
Trichlorotrifluoroethane	ND	10	ug/L	20.00	04/08/2004 22:48	
Chloromethane	ND	20	ug/L	20.00	04/08/2004 22:48	
Bromomethane	ND	20	ug/L	20.00	04/08/2004 22:48	
Surrogate(s)						
4-Bromofluorobenzene	100.5	86-115	%	20.00	04/08/2004 22:48	
1,2-Dichloroethane-d4	95.7	76-114	%	20.00	04/08/2004 22:48	
Toluene-d8	96.2	88-110	%	20.00	04/08/2004 22:48	

Halogenated Volatile Organic Compounds by 8021B/8260B

TRC Alton Geoscience

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21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 5030B
Method Blank

Water

Test(s): 8260B
QC Batch # 2004/04/08-1A.06

MB: 2004/04/08-1A.06-004

Date Extracted: 04/08/2004 13:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Bromodichloromethane	ND	0.5	ug/L	04/08/2004 13:48	
Bromoform	ND	2.0	ug/L	04/08/2004 13:48	
Bromomethane	ND	1.0	ug/L	04/08/2004 13:48	
Carbon tetrachloride	ND	0.5	ug/L	04/08/2004 13:48	
Chlorobenzene	ND	0.5	ug/L	04/08/2004 13:48	
Chloroethane	ND	1.0	ug/L	04/08/2004 13:48	
2-Chloroethylvinyl ether	ND	0.5	ug/L	04/08/2004 13:48	
Chloroform	ND	0.5	ug/L	04/08/2004 13:48	
Chloromethane	ND	1.0	ug/L	04/08/2004 13:48	
Dibromochloromethane	ND	0.5	ug/L	04/08/2004 13:48	
1,2-Dichlorobenzene	ND	0.5	ug/L	04/08/2004 13:48	
1,3-Dichlorobenzene	ND	0.5	ug/L	04/08/2004 13:48	
1,4-Dichlorobenzene	ND	0.5	ug/L	04/08/2004 13:48	
Dichlorodifluoromethane	ND	1.0	ug/L	04/08/2004 13:48	
1,1-Dichloroethane	ND	0.5	ug/L	04/08/2004 13:48	
1,2-Dichloroethane	ND	0.5	ug/L	04/08/2004 13:48	
1,1-Dichloroethene	ND	0.5	ug/L	04/08/2004 13:48	
cis-1,2-Dichloroethene	ND	0.5	ug/L	04/08/2004 13:48	
trans-1,2-Dichloroethene	ND	0.5	ug/L	04/08/2004 13:48	
1,2-Dichloropropane	ND	0.5	ug/L	04/08/2004 13:48	
cis-1,3-Dichloropropene	ND	0.5	ug/L	04/08/2004 13:48	
trans-1,3-Dichloropropene	ND	0.5	ug/L	04/08/2004 13:48	
Methylene chloride	ND	5.0	ug/L	04/08/2004 13:48	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	04/08/2004 13:48	
Tetrachloroethene	ND	0.5	ug/L	04/08/2004 13:48	
1,1,1-Trichloroethane	ND	0.5	ug/L	04/08/2004 13:48	
1,1,2-Trichloroethane	ND	0.5	ug/L	04/08/2004 13:48	
Trichloroethene	ND	0.5	ug/L	04/08/2004 13:48	
Trichlorofluoromethane	ND	1.0	ug/L	04/08/2004 13:48	

Halogenated Volatile Organic Compounds by 8021B/8260B

TRC Alton Geoscience

Attn.: Anju Farfan

21 Technology Drive
Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/04/08-1A.06**

MB: 2004/04/08-1A.06-004 — Date Extracted: 04/08/2004 13:48

Compound	Conc.	RL	Unit	Analyzed	Flag
Trichlorotrifluoroethane	ND	0.5	ug/L	04/08/2004 13:48	
Vinyl chloride	ND	0.5	ug/L	04/08/2004 13:48	
Surrogates(s)					
4-Bromofluorobenzene	97.6	86-115	%	04/08/2004 13:48	
1,2-Dichloroethane-d4	95.0	76-114	%	04/08/2004 13:48	
Toluene-d8	96.0	88-110	%	04/08/2004 13:48	

Halogenated Volatile Organic Compounds by 8021B/8260B

TRC Alton Geoscience

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Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/04/08-1A.06**

LCS 2004/04/08-1A.06-002 Extracted: 04/08/2004 Analyzed: 04/08/2004 12:37
LCSD 2004/04/08-1A.06-003 Extracted: 04/08/2004 Analyzed: 04/08/2004 13:13

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Chlorobenzene	19.2	19.0	20	96.0	95.0	1.0	61-121	20		
1,1-Dichloroethene	22.3	22.5	20	111.5	112.5	0.9	65-125	20		
Trichloroethene	21.7	21.9	20	108.5	109.5	0.9	74-134	20		
Surrogates(s)										
4-Bromofluorobenzene	497	497	500	99.4	99.4		86-115			
1,2-Dichloroethane-d4	463	486	500	92.6	97.2		76-114			
Toluene-d8	486	486	500	97.2	97.2		88-110			

Halogenated Volatile Organic Compounds by 8021B/8260B

TRC Alton Geoscience

Attn.: Anju Farfan

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Irvine, CA 92718
Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips # 5484

Received: 03/29/2004 17:26

Site: 18950 Lake Chabot Rd., Castro Valley

Legend and Notes

Analysis Flag

lrn

Reporting limits raised due to high level of non-target analyte materials.

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 03 - 0913

Checklist completed by: (initials) NB Date: 03/30/04

Courier name: ☑ STL San Francisco ☐ Client _____

Custody seals intact on shipping container/samples	Yes___ No___	Not Present ✓
Chain of custody present?	Yes ✓ No___	
Chain of custody signed when relinquished and received?	Yes ✓ No___	
Chain of custody agrees with sample labels?	Yes ✓ No___	
Samples in proper container/bottle?	Yes ✓ No___	
Sample containers intact?	Yes ✓ No___	
Sufficient sample volume for indicated test?	Yes ✓ No___	
All samples received within holding time?	Yes ✓ No___	
Container/Temp Blank temperature in compliance (4^0 C ± 2)?	Temp 2.4 °C Yes ✓ No___	
	Ice Present Yes ✓ No___	
Water - VOA vials have zero headspace?	No VOA vials submitted___ Yes ✓ No___	

(if bubble is present, refer to approximate bubble size and itemize in comments as **S** (small ~O), **M** (medium ~ O) or **L** (large ~ O)

Water - **pH acceptable upon receipt?** ☑ Yes ☐ No

☐ **pH adjusted**– Preservative used: ☐ HNO_3 ☐ HCl ☐ H_2SO_4 ☐ NaOH ☐ ZnOAc –**Lot #(s)** _____

For any item check-listed "No", provided detail of discrepancy in comment section below:

Comments: _____

Project Management [Routing for instruction of indicated discrepancy(ies)]

Project Manager: (initials) _____ Date: ___/___/04

Client contacted: ☐ Yes ☐ No

Summary of discussion: _____

Corrective Action (per PM/Client): _____

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Chain Of Custody Record

84302

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS: 2004-03-0913

CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA. 92704

ConocoPhillips Work Order Number

ConocoPhillips Cost Object

DATE: 3/26/04

PAGE: 1 of 1

SAMPLING COMPANY: TRC	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: ~~5848~~ 5484	GLOBAL ID NO.: N/A
ADDRESS: 21 Technology Drive, Irvine CA 92618		SITE ADDRESS (Street and City): 18950 LAKE CHABOT RD	CONOCOPHILLIPS SITE MANAGER:
PROJECT CONTACT (Hardcopy or PDF Report to): Anju Farfan		EDF DELIVERABLE TO (RP or Designee): Peter Thomson, TRC pthomson@trcsolutions.com; PHONE NO.: 949-341-7408	E-MAIL:
TELEPHONE: 949-341-7440; FAX: 949-753-0111	E-MAIL: afarfan@trcsolutions.com		LAB USE ONLY
SAMPLER NAME(S) (Print): JACK / DAVE	CONSULTANT PROJECT NUMBER: 41050001/FA20	REQUESTED ANALYSES	

TURNAROUND TIME (CALENDAR DAYS): ☒ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☒

* Field Point name only required if different from Sample ID

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	8015m - TPHd Extractable	8260B - TPHg/BTEX/MtBE	8260B - TPHg / BTEX / 8 Oxygenates	8260B - TPHg / BTEX / 8 oxygenates + methanol (8015M)	8260B - Full Scan VOCs (does not include oxygenates)	8270C - Semi-Volatiles	8015M / 8021B - TPHg/BTEX/MtBE	Lead ☐Total ☐STLC ☐TCLP	TPH-G BY 8015M	BTEX/MTBE BY 8021	HVOC'S (8010 BY LIST)	BY 8021B	SVOC'S BY 8270							FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-5	3/26	1253	GW	7									x	x	x	x	C							
	M-7	3/26	1220	GW	7									x	x	x	x	C							
																									REFRIDGE
																									TEMPERATURE ON RECEIPT C°: 2.4 °C

Relinquished by: (Signature) [signature]	Received by: (Signature)	Date: 3/26/04	Time:
Relinquished by: (Signature) [signature]	Received by: (Signature) [signature]	Date: 3/29/04	Time: 1017
Relinquished by: (Signature) [signature] 3/29/04 1726	Received by: (Signature) [signature]	Date: 3/29/04	Time: 1726

8/19/03 Revision

STATEMENTS

Purge Water Transport and Disposal

Non-hazardous groundwater produced during purging and sampling was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by Onyx Transportation, Inc., to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures – Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water suspected of containing potentially hazardous material, such as liquid-phase hydrocarbons, was accumulated separately in a drum for transportation and disposal by Filter Recycling, Inc.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.