TRC
Customer-Focused Solutions

January 11, 2005

Secor International, Inc.
3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

ATTN: MR. GAVAN HEINRICH

SITE: FORMER BP OIL 11249
1300 FARMERS LANE
SANTA ROSA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

This Quarterly Monitoring Report for Former BP Oil 11249 is being sent to you for your review/comment, prior to being distributed on your behalf. If no comments are received by **January 18, 2005**, this report will be distributed to the following:

Mr. Jim Tischler, RWQCB – North Coast Region
Mr. Paul Supple
Mr. Jim Frank, Santa Rosa Fire Department

Please send all comments to me at cherrera@trcsolutions.com. If you have any questions regarding this report, please call me at (949) 727-7345.

Sincerely,

TRC

Christina Carrillo
QMS Technical Writer

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

TRC

Customer-Focused Solutions

January 11, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MS. LIZ SEWELL

SITE: FORMER BP OIL 11249
1300 FARMERS LANE
SANTA ROSA, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

Dear Ms. Sewell:

Please find enclosed our Quarterly Monitoring Report for Former BP Oil 11249, located at 1300 Farmers Lane, Santa Rosa, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

Anju Farfan
QMS Operations Manager

CC: Mr. Jim Tischler, RWQCB – North Coast Region
Mr. Paul Supple
Mr. Jim Frank, Santa Rosa Fire Department
Mr. Gavan Heinrich, Secor International Inc.

Enclosures
20-0400/11249R05.QMS

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

TRC

Customer-Focused Solutions

QUARTERLY MONITORING REPORT
OCTOBER THROUGH DECEMBER 2004

Former BP Oil 11249
1300 Farmers Lane
Santa Rosa, California.

Prepared For:

Ms. Liz Sewell
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:

CERTIFIED ENGINEERING GEOLOGIST
DENNIS E. JENSEN
No. EG 1034
Exp. 4/05
STATE OF CALIFORNIA

Senior Project Geologist, Irvine Operations
January 11, 2005

21 Technology Drive • Irvine, California 92618
Telephone 949-753-0101 • Fax 949-753-0111

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Table 1: Current Fluid Levels and Selected Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 3: Additional Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time MTBE 8260B Concentrations vs. Time
Field Activities	General Field Procedures Groundwater Sampling Field Notes
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
October 2004 through December 2004
Former BP Oil 11249
1300 Farmers Lane
Santa Rosa, CA

Project Coordinator: **Liz Sewell**
Telephone: **916-558-7604**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **12/02/04**

Sample Points

Groundwater wells: **11** onsite, **2** offsite
Wells gauged: **13** Wells sampled: **13**
Purging method: **Diaphragm/submersible pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **12.16 feet** Maximum: **15.41 feet**
Average groundwater elevation (relative to available local datum): **186.81 feet**
Average change in groundwater elevation since previous event: **0.64 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.01 ft/ft, north**
Previous event: **0.007 ft/ft, north (09/01/04)**

Selected Laboratory Results

Wells with detected **Benzene:** **0** Wells above MCL (1.0 µg/l): **n/a**
Maximum reported benzene concentration: **n/a**

Wells with **TPH-G** **3** Maximum: **290 µg/l (MW-4)**
Wells with **MTBE** **8** Maximum: **73 µg/l (MW-7)**

Notes:

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

STANDARD ABREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TPPH	=	total purgeable petroleum hydrocarbons
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to resurvey.
9. Historical data has been validated for this report. Values presented in the following tables supercede those from previous reports.

REFERENCE

TRC began groundwater monitoring and sampling for Former BP Oil 11249 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
December 2, 2004
Former BP Oil 11249

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-1														
12/02/04	201.34	14.01	0.00	187.33	0.62	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.93	
MW-2														
12/02/04	201.11	14.03	0.00	187.08	0.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.6	
MW-3														
12/02/04	200.16	12.53	0.00	187.63	0.62	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
MW-4														
12/02/04	200.06	12.72	0.00	187.34	0.82	290	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	13	2.8	
MW-5														
12/02/04	200.47	14.10	0.00	186.37	0.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
MW-6														
12/02/04	200.45	14.38	0.00	186.07	0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	12	
MW-7														
12/02/04	200.56	13.38	0.00	187.18	0.12	190	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	94	73	
MW-7D														
12/02/04	200.63	13.73	0.00	186.90	0.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.0	
MW-8D														
12/02/04	201.06	14.48	0.00	186.58	0.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
MW-8S														
12/02/04	201.03	15.41	0.00	185.62	0.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	15	
MW-9D														
12/02/04	200.14	13.73	0.00	186.41	0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
MW-9S														
12/02/04	200.15	13.51	0.00	186.64	0.97	56	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	24	15	
MW-10														

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

December 2, 2004

Former BP Oil 11249

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-10 continued														
12/02/04	199.54	12.16	0.00	187.38	0.82	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2004
Former BP Oil 11249

	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-1															
	11/30/92	201.35	15.49	0.00	185.86	0.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
D	11/30/92	201.35	15.49	0.00	185.86	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.5	--	--	
	10/07/93	201.35	15.52	--	185.83	-0.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
D	10/07/93	201.35	15.52	--	185.83	0.00	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
	02/11/94	201.35	12.43	--	188.92	3.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
D	02/11/94	201.35	12.43	--	188.92	0.00	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
	05/20/94	201.35	13.30	--	188.05	-0.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
	08/18/94	201.35	14.84	--	186.51	-1.54	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
	11/16/94	201.35	14.28	--	187.07	0.56	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
	02/08/95	201.35	11.74	--	189.61	2.54	--	--	--	--	--	--	--	--	
	05/18/95	201.35	12.51	--	188.84	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	--	
	03/01/96	201.35	11.24	--	190.11	1.27	--	--	--	--	--	--	--	--	
	04/03/97	201.35	13.97	--	187.38	-2.73	--	--	--	--	--	--	--	--	
	03/11/98	201.35	11.63	--	189.72	2.34	--	--	--	--	--	--	--	--	
	06/29/99	201.35	15.63	--	185.72	-4.00	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	
	09/21/99	201.35	15.36	--	185.99	0.27	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.8	10	
	03/28/00	189.36	11.98	--	177.38	-8.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.43	
	06/10/00	201.34	13.84	--	187.50	10.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.6	ND<2.0	
	09/05/00	201.34	15.24	--	186.10	-1.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.67	ND<2.0	
	12/16/00	201.35	14.05	--	187.30	1.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
	03/26/01	201.34	13.03	--	188.31	1.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.04	ND<2.0	
	06/28/01	201.34	15.20	--	186.14	-2.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.4	
	09/27/01	201.34	16.07	--	185.27	-0.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.6	
	12/27/01	201.34	11.08	--	190.26	4.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.4	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2004

Former BP Oil 11249

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-1 continued														
03/26/02	201.34	11.95	--	189.39	-0.87	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/27/02	201.34	14.45	--	186.89	-2.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	201.34	15.70	--	185.64	-1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/26/02	201.34	11.47	--	189.87	4.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/27/03	201.34	12.19	--	189.15	-0.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/24/03	201.34	13.69	--	187.65	-1.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	<2.0	
09/30/03	201.34	14.83	0.00	186.51	-1.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
12/20/03	201.34	13.08	0.00	188.26	1.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/25/04	201.34	12.20	0.00	189.14	0.88	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	0.72	
06/22/04	201.34	13.86	0.00	187.48	-1.66	72	--	1.4	1.2	0.54	1.5	1.1	0.64	
09/01/04	201.34	14.63	0.00	186.71	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.73	
12/02/04	201.34	14.01	0.00	187.33	0.62	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.93	
MW-2														
11/30/92	201.11	15.38	--	185.73	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
10/07/93	201.11	15.54	--	185.57	-0.16	170	--	6	ND<0.50	1.2	ND<0.50	--	--	
02/11/94	201.11	13.09	--	188.02	2.45	230	--	17	9	5.6	ND<0.50	--	--	
05/20/94	201.11	13.95	--	187.16	0.00	450	--	11	1.2	3	1.4	--	--	
D 05/20/94	201.11	13.95	--	187.16	-0.86	410	--	9.2	0.9	2.2	0.6	--	--	
08/18/94	201.11	15.51	--	185.60	-1.56	430	--	ND<0.50	ND<0.50	2.4	ND<0.50	--	--	
D 08/18/94	201.11	15.51	--	185.60	0.00	390	--	2.6	ND<0.5	1.5	ND<0.5	--	--	
11/16/94	201.11	14.59	--	186.52	0.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	
D 11/16/94	201.11	14.59	--	186.52	0.92	100	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
02/08/95	201.11	11.16	--	189.95	3.43	68	--	0.42	ND<0.25	ND<0.25	ND<0.50	--	--	
D 02/08/95	201.11	11.16	--	189.95	0.00	68	--	0.38	ND<0.25	ND<0.25	ND<0.50	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2004

Former BP Oil 11249

	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 continued														
	05/18/95	201.11	12.17	--	188.94	0.00	73	--	0.64	ND<0.50	ND<0.50	ND<1.0	--	--	
D	05/18/95	201.11	12.17	--	188.94	-1.01	80	--	0.63	ND<0.50	ND<0.50	ND<1.0	--	--	
	03/01/96	201.11	10.39	--	190.72	1.78	170	--	4.3	ND<1.0	1	ND<1.0	43	--	
	04/03/97	201.11	13.41	--	187.70	-3.02	ND<50	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	ND<10	--	
	03/11/98	201.11	11.04	--	190.07	2.37	520	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	350	--	
	06/29/99	201.11	13.30	--	187.81	-2.26	490	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	330	--	
	09/21/99	201.11	15.20	--	185.91	-1.90	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	190	190	
	03/28/00	201.11	12.03	--	189.08	3.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	95.1	82	
	06/10/00	201.11	13.81	--	187.30	-1.78	ND<50	--	1.1	ND<0.50	ND<0.50	ND<0.50	150	130	
	09/05/00	201.11	15.15	--	185.96	-1.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	17.3	12	
	12/16/00	201.11	14.10	--	187.01	1.05	ND<50	--	2.12	ND<0.50	ND<0.50	ND<0.50	44.4	32.8	
	03/26/01	201.11	13.05	--	188.06	1.05	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11.7	11	
	06/28/01	201.11	15.17	--	185.94	-2.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	21	
	09/27/01	201.11	15.87	--	185.24	-0.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	48	36	
	12/27/01	201.11	11.06	--	190.05	4.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.1	5.2	
	03/26/02	201.11	11.98	--	189.13	-0.92	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	42	49	
	06/27/02	201.11	14.50	--	186.61	-2.52	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	72	98	
	09/26/02	201.11	15.74	--	185.37	-1.24	ND<50	--	0.78	ND<0.50	ND<0.50	ND<0.50	43	53	
	12/26/02	201.11	11.29	--	189.82	4.45	ND<50	--	0.70	ND<0.50	ND<0.50	ND<0.50	20	17	
	03/27/03	201.11	12.21	--	188.90	-0.92	68	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	43	51	
	06/24/03	201.11	13.51	--	187.60	-1.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.3	13	
	09/30/03	201.11	14.97	0.00	186.14	-1.46	100	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	31	--	
	12/20/03	201.11	12.86	0.00	188.25	2.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.1	8.0	
	03/25/04	201.11	12.20	0.00	188.91	0.66	72	--	ND<0.3	1.8	ND<0.3	ND<0.6	--	58	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2004

Former BP Oil 11249

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 continued														
06/22/04	201.11	13.73	0.00	187.38	-1.53	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	2.7	2.3	
09/01/04	201.11	14.74	0.00	186.37	-1.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.5	
12/02/04	201.11	14.03	0.00	187.08	0.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.6	
MW-3														
11/30/92	200.18	13.95	--	186.23	--	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
10/07/93	200.18	14.01	--	186.17	-0.06	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
02/11/94	200.18	10.56	--	189.62	3.45	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
05/20/94	200.18	12.41	--	187.77	-1.85	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
08/18/94	200.18	13.97	--	186.21	-1.56	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
11/16/94	200.18	12.32	--	187.86	1.65	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	--	--	
02/08/95	200.18	9.12	--	191.06	3.20	--	--	--	--	--	--	--	--	
05/18/95	200.18	10.55	--	189.63	-1.43	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<1.0	--	--	
03/01/96	200.18	8.13	--	192.05	2.42	--	--	--	--	--	--	--	--	
04/03/97	200.18	11.41	--	188.77	-3.28	--	--	--	--	--	--	--	--	
03/11/98	200.18	10.07	--	190.11	1.34	--	--	--	--	--	--	--	--	
06/29/99	200.18	11.81	--	188.37	-1.74	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	
09/21/99	200.18	13.22	--	186.96	-1.41	ND<50	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.1	ND<10	
03/28/00	200.18	10.29	--	189.89	2.93	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.753	
06/10/00	200.18	12.26	--	187.92	-1.97	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	ND<2.0	
09/05/00	200.18	13.72	--	186.46	-1.46	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.51	ND<2.0	
12/16/00	200.18	13.12	--	187.06	0.60	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<2.0	
03/26/01	200.18	11.41	--	188.77	1.71	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.13	ND<2.0	
06/28/01	200.16	13.58	--	186.58	-2.19	ND<50	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2.5	0.56	
09/27/01	200.16	14.43	--	185.73	-0.85	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.73	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2004
Former BP Oil 11249

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-3 continued														
12/27/01	200.16	9.27	--	190.89	5.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.72	
03/26/02	200.16	10.30	--	189.86	-1.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/27/02	200.16	12.97	--	187.19	-2.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.5	ND<2.0	
09/26/02	200.16	14.23	--	185.93	-1.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/26/02	200.16	9.55	--	190.61	4.68	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.1	5.0	
03/27/03	200.16	10.74	--	189.42	-1.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.3	2.7	
06/24/03	200.16	12.21	--	187.95	-1.47	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.4	5.0	
09/30/03	200.16	13.41	0.00	186.75	-1.20	62	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
12/20/03	200.16	11.15	0.00	189.01	2.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/25/04	200.16	10.82	0.00	189.34	0.33	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	0.55	
06/22/04	200.16	12.57	0.00	187.59	-1.75	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
09/01/04	200.16	13.15	0.00	187.01	-0.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/02/04	200.16	12.53	0.00	187.63	0.62	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
MW-4														
11/30/92	200.04	14.09	--	185.95	--	89	--	1.4	ND<0.50	1.4	ND<0.50	--	--	
10/07/93	200.04	14.21	--	185.83	-0.12	360	--	1.4	ND<0.50	4.1	ND<0.50	--	--	
02/11/94	200.04	10.89	--	189.15	3.32	102	--	ND<0.50	4.9	ND<0.50	ND<0.50	--	--	
05/20/94	200.04	12.75	--	187.29	-1.86	80	--	1.5	ND<0.50	ND<0.50	ND<0.50	--	--	
08/18/94	200.04	14.30	--	185.74	-1.55	1400	--	2.6	ND<0.50	11	0.8	--	--	
11/16/94	200.04	12.67	--	187.37	1.63	520	--	ND<0.50	ND<0.50	0.8	ND<0.50	--	--	
02/08/95	200.04	9.62	--	190.42	3.05	--	--	--	--	--	--	--	--	
05/18/95	200.04	11.01	--	189.03	-1.39	740	--	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	--	
03/01/96	200.04	8.75	--	191.29	0.00	430	--	1.9	ND<1.0	6	1	3700	--	
D 03/01/96	200.04	8.75	--	191.29	2.26	390	--	1.6	ND<1	6	ND<1	3700	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2004

Former BP Oil 11249

	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														
	04/03/97	200.04	11.86	--	188.18	-3.11	2700	--	6.3	ND<1.0	5.9	ND<1.0	2800	--	
D	04/03/97	200.04	11.86	--	188.18	0.00	2400	--	8.0	1.9	8.3	ND<1.0	1900	--	
	03/11/98	200.04	9.70	--	190.34	2.16	13000	--	ND<0.50	ND<1.0	ND<1.0	ND<1.0	12000	--	
D	03/11/98	200.04	9.70	--	190.34	0.00	13000	--	ND<0.5	ND<1.0	ND<1.0	ND<1.0	12000	--	
	06/29/99	200.04	12.97	--	187.07	-3.27	14000	--	ND<1.0	ND<1.0	1.5	1.6	14000	14000	
	09/21/99	200.04	13.94	--	186.10	-0.97	4900	--	ND<50	ND<50	ND<50	ND<50	23000	26000	
	03/28/00	200.06	10.75	--	189.31	3.21	ND<50000	--	ND<500	ND<500	ND<500	ND<500	11300	11400	
	06/10/00	200.06	12.55	--	187.51	-1.80	ND<500	--	61	ND<5.0	ND<5.0	ND<5.0	26000	14000	
	09/05/00	200.06	13.96	--	186.10	-1.41	167	--	ND<5.0	ND<5.0	ND<5.0	0.605	11200	9100	
	12/16/00	200.06	13.41	--	186.65	0.55	ND<2500	--	ND<25.0	ND<25.0	ND<25.0	ND<25.0	43000	35300	
	03/26/01	200.06	11.74	--	188.32	1.67	371	--	0.891	0.629	ND<5.0	0.752	8300	11000	
	06/28/01	200.06	13.86	--	186.20	-2.12	ND<5000	--	ND<50	ND<50	ND<50	ND<50	17000	16000	
	09/27/01	200.06	14.65	--	185.41	-0.79	ND<2500	--	ND<25	ND<25	ND<25	ND<25	11000	10000	
	12/27/01	200.06	9.70	--	190.36	4.95	550	--	4.8	ND<0.50	2.3	0.62	7300	7000	
	03/26/02	200.06	10.70	--	189.36	-1.00	1500	--	ND<10	16	ND<10	ND<10	19000	26000	
	06/27/02	200.06	13.27	--	186.79	-2.57	930	--	5.6	ND<1.0	2.8	ND<1.0	640	860	
	09/26/02	200.06	14.55	--	185.51	-1.28	940	--	6.2	0.76	1.5	0.96	900	1300	
	12/26/02	200.06	9.98	--	190.08	4.57	2700	--	ND<25	ND<25	ND<25	ND<25	2000	2400	
	03/27/03	200.06	11.08	--	188.98	-1.10	470	--	6.2	1.2	0.77	1.6	140	83	
	06/24/03	200.06	12.48	--	187.58	-1.40	320	--	9.6	ND<0.50	1.6	0.52	46	95	
	09/30/03	200.06	13.75	0.00	186.31	-1.27	1100	--	ND<5.0	ND<5.0	ND<5.0	ND<10	25	--	
	12/20/03	200.06	11.49	0.00	188.57	2.26	310	--	4.8	ND<0.50	1.1	ND<0.50	65	58	
	03/25/04	200.06	11.10	0.00	188.96	0.39	190	--	0.54	3.9	ND<0.3	ND<0.6	--	91	
	06/22/04	200.06	12.83	0.00	187.23	-1.73	59	--	ND<0.3	2.2	ND<0.3	ND<0.6	6.6	5.5	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2004

Former BP Oil 11249

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														
09/01/04	200.06	13.54	0.00	186.52	-0.71	120	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	2.4	
12/02/04	200.06	12.72	0.00	187.34	0.82	290	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	13	2.8	
MW-5														
03/28/00	200.47	11.49	--	188.98	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
06/10/00	200.47	13.88	--	186.59	-2.39	ND<50	--	1.9	0.53	ND<0.50	ND<0.50	4.9	2.4	
09/05/00	200.47	14.74	--	185.73	-0.86	167	--	0.866	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/16/00	200.47	14.26	--	186.21	0.48	ND<50	--	1.26	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/26/01	200.47	13.27	--	187.20	0.99	ND<50	--	0.636	ND<0.50	ND<0.50	ND<0.50	ND<0.5	ND<2.0	
06/28/01	200.47	15.35	--	185.12	-2.08	ND<50	--	0.5	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
09/27/01	200.47	15.83	--	184.64	-0.48	ND<50	--	0.83	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
12/27/01	200.47	11.13	--	189.34	4.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30	ND<0.50	
03/26/02	200.47	12.16	--	188.31	-1.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/27/02	200.47	14.62	--	185.85	-2.46	ND<50	--	3.1	1.2	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	200.47	15.89	--	184.58	-1.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/26/02	200.47	11.32	--	189.15	4.57	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/27/03	200.47	12.63	--	187.84	-1.31	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/24/03	200.47	13.78	--	186.69	-1.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/30/03	200.47	14.63	0.00	185.84	-0.85	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
12/20/03	200.47	13.12	0.00	187.35	1.51	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/25/04	200.47	12.55	0.00	187.92	0.57	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.50	
06/22/04	200.47	14.21	0.00	186.26	-1.66	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	1.1	ND<0.5	
09/01/04	200.47	14.82	0.00	185.65	-0.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/02/04	200.47	14.10	0.00	186.37	0.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
MW-6														

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2004
Former BP Oil 11249

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														
03/28/00	200.45	11.39	--	189.06	--	151	--	0.979	0.805	ND<0.50	ND<0.50	54.1	50	
06/10/00	200.45	13.45	--	187.00	-2.06	360	--	4.4	0.76	1.1	ND<0.50	360	450	
09/05/00	200.45	14.79	--	185.66	-1.34	302	--	3.50	0.667	0.698	ND<0.50	381	310	
12/16/00	200.45	14.30	--	186.15	0.49	223	--	2.04	ND<0.50	0.631	ND<0.50	332	360	
03/26/01	200.45	12.33	--	188.12	1.97	247	--	1.24	ND<0.50	ND<0.50	ND<0.50	325	330	
06/28/01	200.45	15.00	--	185.45	-2.67	170	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	250	330	
09/27/01	200.45	15.45	--	185.00	-0.45	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	250	270	
12/27/01	200.45	12.25	--	188.20	3.20	83	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	150	
03/26/02	200.45	13.36	--	187.09	-1.11	50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	120	130	
06/27/02	200.45	14.41	--	186.04	-1.05	78	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	180	
09/26/02	200.45	15.65	--	184.80	-1.24	120	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	150	
12/26/02	200.45	12.05	--	188.40	3.60	130	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	130	140	
03/27/03	200.45	12.31	--	188.14	-0.26	100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	130	
06/24/03	200.45	14.02	--	186.43	-1.71	120	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	160	
09/30/03	200.45	14.54	0.00	185.91	-0.52	140	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	110	--	
12/20/03	200.45	14.08	0.00	186.37	0.46	140	--	ND<0.50	0.76	ND<0.50	ND<0.50	100	62	
03/25/04	200.45	14.08	0.00	186.37	0.00	190	--	0.68	0.96	ND<0.3	ND<0.6	--	48	
06/22/04	200.45	15.02	0.00	185.43	-0.94	ND<50	--	ND<0.3	0.51	ND<0.3	ND<0.6	44	43	
09/01/04	200.45	14.57	0.00	185.88	0.45	51	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	16	
12/02/04	200.45	14.38	0.00	186.07	0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	12	
MW-7														
03/28/00	200.56	11.45	--	189.11	--	55.6	--	ND<0.5	ND<0.5	ND<0.5	ND<0.5	175	3710	
06/10/00	200.56	13.21	--	187.35	-1.76	1300	--	27	ND<10	11	ND<10	4500	120	
09/05/00	200.56	14.60	--	185.96	-1.39	1520	--	7.15	1.77	15.5	1.56	5990	5800	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2004
Former BP Oil 11249

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-7 continued														
12/16/00	200.56	13.58	--	186.98	1.02	2650	--	ND<5.0	ND<5.0	26.8	ND<5.0	9860	9820	
03/26/01	200.56	11.91	--	188.65	1.67	965	--	1.12	1.37	5.21	1.17	4870	6100	
06/28/01	200.56	14.38	--	186.18	-2.47	1600	--	ND<10	ND<10	ND<10	ND<10	6600	4700	
09/27/01	200.56	15.30	--	185.26	-0.92	ND<1000	--	ND<10	ND<10	ND<10	ND<10	5000	5200	
12/27/01	200.56	10.36	--	190.20	4.94	ND<2500	--	ND<25	ND<25	ND<25	ND<25	5800	6300	
03/26/02	200.56	11.37	--	189.19	-1.01	ND<1000	--	ND<10	ND<10	ND<10	ND<10	5000	5100	
06/27/02	200.56	13.81	--	186.75	-2.44	ND<1000	--	ND<10	ND<10	ND<10	ND<10	7300	5900	
09/26/02	200.56	15.03	--	185.53	-1.22	4600	--	ND<10	ND<10	ND<10	22	5500	5400	
12/26/02	200.56	10.31	--	190.25	4.72	780	--	ND<0.50	1.3	ND<0.50	ND<0.50	2900	4000	
03/27/03	200.56	11.75	--	188.81	-1.44	ND<5000	--	ND<50	ND<50	ND<50	ND<50	5700	4700	
06/24/03	200.56	12.95	--	187.61	-1.20	680	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4300	1200	
09/30/03	200.56	14.45	0.00	186.11	-1.50	ND<2000	--	ND<20	ND<20	ND<20	ND<40	2300	--	
12/20/03	200.56	12.43	0.00	188.13	2.02	1200	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1100	1300	
03/25/04	200.56	11.61	0.00	188.95	0.82	280	--	5.4	3.2	ND<0.3	ND<0.6	--	740	
06/22/04	200.56	12.54	0.00	188.02	-0.93	160	--	ND<0.3	1.1	ND<0.3	ND<0.6	170	180	
09/01/04	200.56	13.50	0.00	187.06	-0.96	180	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	95	
12/02/04	200.56	13.38	0.00	187.18	0.12	190	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	94	73	
MW-7D														
06/28/01	200.63	6.58	--	194.05	--	ND<100	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	52	29	
09/27/01	200.63	15.62	--	185.01	-9.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	20	15	
12/27/01	200.63	10.83	--	189.80	4.79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.1	
03/26/02	200.63	11.75	--	188.88	-0.92	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/27/02	200.63	14.24	--	186.39	-2.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	200.63	15.50	--	185.13	-1.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	2.3	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2004
Former BP Oil 11249

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-7D continued														
12/26/02	200.63	11.17	--	189.46	4.33	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/27/03	200.63	12.10	--	188.53	-0.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/24/03	200.63	13.38	--	187.25	-1.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6	2.7	
09/30/03	200.63	14.72	0.00	185.91	-1.34	60	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	90	--	
12/20/03	200.63	12.51	0.00	188.12	2.21	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.67	35	38	
03/25/04	200.63	12.11	0.00	188.52	0.40	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	3.8	
06/22/04	200.63	13.77	0.00	186.86	-1.66	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	2.1	1.7	
09/01/04	200.63	14.48	0.00	186.15	-0.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.1	
12/02/04	200.63	13.73	0.00	186.90	0.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.0	
MW-8D														
06/28/01	201.06	15.33	--	185.73	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.56	
09/27/01	201.06	16.28	--	184.78	-0.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
12/27/01	201.06	11.65	--	189.41	4.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.2	
03/26/02	201.06	12.58	--	188.48	-0.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/27/02	201.06	14.95	--	186.11	-2.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	201.06	16.20	--	184.86	-1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/26/02	201.06	11.93	--	189.13	4.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/27/03	201.06	12.95	--	188.11	-1.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/24/03	201.06	14.12	--	186.94	-1.17	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/30/03	201.06	15.38	0.00	185.68	-1.26	67	--	ND<0.50	ND<0.50	ND<0.50	1.5	ND<2.0	--	
12/20/03	201.06	13.24	0.00	187.82	2.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/25/04	201.06	12.99	0.00	188.07	0.25	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.50	
06/22/04	201.06	14.63	0.00	186.43	-1.64	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
09/01/04	201.06	15.21	0.00	185.85	-0.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2004
Former BP Oil 11249

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-8D continued														
12/02/04	201.06	14.48	0.00	186.58	0.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
MW-8S														
06/28/01	201.03	17.46	--	183.57	--	130	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.5	6.9	
D 06/28/01	201.03	17.46	--	183.57	0.00	--	--	--	--	--	--	--	--	
09/27/01	201.03	16.20	--	184.83	1.26	ND<2500	--	ND<25	ND<25	ND<25	ND<25	ND<120	ND<500	
12/27/01	201.03	15.65	--	185.38	0.55	50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.4	20	
03/26/02	201.03	15.14	--	185.89	0.51	ND<100	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	20	18	
06/27/02	201.03	15.79	--	185.24	-0.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	17	
09/26/02	201.03	17.05	--	183.98	-1.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	27	25	
12/26/02	201.03	14.05	--	186.98	3.00	ND<50	--	ND<0.50	0.77	ND<0.50	ND<0.50	20	22	
03/27/03	201.03	14.52	--	186.51	-0.47	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	29	
06/24/03	201.03	15.29	--	185.74	-0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.6	19	
09/30/03	201.03	15.99	0.00	185.04	-0.70	80	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	19	--	
12/20/03	201.03	15.07	0.00	185.96	0.92	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	23	22	
03/25/04	201.03	13.25	0.00	187.78	1.82	160	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	18	
06/22/04	201.03	15.24	0.00	185.79	-1.99	69	--	ND<0.3	ND<0.3	0.49	2.3	16	19	
09/01/04	201.03	15.90	0.00	185.13	-0.66	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	14	
12/02/04	201.03	15.41	0.00	185.62	0.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	15	
MW-9D														
06/28/01	200.14	15.22	--	184.92	--	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	100	33	
09/27/01	200.14	15.45	--	184.69	-0.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	77	33	
12/27/01	200.14	10.88	--	189.26	4.57	ND<50	--	1.1	1.9	ND<0.50	1.1	11	9.9	
03/26/02	200.14	11.76	--	188.38	-0.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.4	5.2	
06/27/02	200.14	14.21	--	185.93	-2.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	2.4	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
November 1992 Through December 2004
Former BP Oil 11249

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-9D continued														
09/26/02	200.14	15.47	--	184.67	-1.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3	2.6	
12/26/02	200.14	11.34	--	188.80	4.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.1	2.3	
03/27/03	200.14	12.23	--	187.91	-0.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.4	2.8	
06/24/03	200.14	13.38	--	186.76	-1.15	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/30/03	200.14	14.68	0.00	185.46	-1.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
12/20/03	200.14	12.49	0.00	187.65	2.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.53	ND<5.0	2.1	
03/25/04	200.14	12.29	0.00	187.85	0.20	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.50	
06/22/04	200.14	13.76	0.00	186.38	-1.47	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
09/01/04	200.14	14.50	0.00	185.64	-0.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/02/04	200.14	13.73	0.00	186.41	0.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
MW-9S														
06/28/01	200.15	8.25	--	191.90	--	3500	--	ND<25	ND<25	ND<25	ND<25	360	300	
D 06/28/01	200.15	8.25	--	191.90	0.00	--	--	--	--	--	--	--	--	
09/27/01	200.15	15.63	--	184.52	-7.38	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	340	340	
12/27/01	200.15	11.81	--	188.34	3.82	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	340	290	
03/26/02	200.15	12.09	--	188.06	-0.28	ND<250	--	ND<2.5	ND<2.5	ND<2.5	ND<2.5	310	300	
06/27/02	200.15	14.33	--	185.82	-2.24	ND<100	--	ND<1.0	ND<1.0	ND<1.0	ND<1.0	470	490	
09/26/02	200.15	15.59	--	184.56	-1.26	280	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	540	620	
12/26/02	200.15	11.45	--	188.70	4.14	360	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	580	660	
03/27/03	200.15	12.32	--	187.83	-0.87	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	520	620	
06/24/03	200.15	13.41	--	186.74	-1.09	360	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	720	560	
09/30/03	200.15	14.76	0.00	185.39	-1.35	500	--	ND<5.0	ND<5.0	ND<5.0	ND<10	870	--	
12/20/03	200.15	12.74	0.00	187.41	2.02	ND<1000	--	ND<10	ND<10	ND<10	ND<10	630	750	
03/25/04	200.15	12.01	0.00	188.14	0.73	350	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	380	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

November 1992 Through December 2004

Former BP Oil 11249

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-9S continued														
06/22/04	200.15	13.83	0.00	186.32	-1.82	89	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	120	95	
09/01/04	200.15	14.48	0.00	185.67	-0.65	68	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	27	
12/02/04	200.15	13.51	0.00	186.64	0.97	56	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	24	15	
MW-10														
06/28/01	199.54	13.28	--	186.26	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
09/27/01	199.54	13.92	--	185.62	-0.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.1	2.6	
12/27/01	199.54	9.04	--	190.50	4.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	0.52	
03/26/02	199.54	10.04	--	189.50	-1.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.2	7.2	
06/27/02	199.54	12.68	--	186.86	-2.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/26/02	199.54	13.93	--	185.61	-1.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.5	4.1	
12/26/02	199.54	9.74	--	189.80	4.19	ND<50	--	ND<0.50	1.1	ND<0.50	ND<0.50	ND<2.0	2.4	
03/27/03	199.54	10.43	--	189.11	-0.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.6	8.6	
06/24/03	199.54	11.40	--	188.14	-0.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.9	8.2	
09/30/03	199.54	13.14	0.00	186.40	-1.74	85	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	7.5	--	
12/20/03	199.54	10.88	0.00	188.66	2.26	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/25/04	199.54	9.85	0.00	189.69	1.03	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	--	ND<0.50	
06/22/04	199.54	12.28	0.00	187.26	-2.43	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	0.57	
09/01/04	199.54	12.98	0.00	186.56	-0.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/02/04	199.54	12.16	0.00	187.38	0.82	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-1											
11/30/92	ND<50	--	--	--	--	--	--	--	--	ND<5000	--
10/07/93	ND<50	--	--	--	--	--	--	--	--	ND<5000	--
02/11/94	ND<250	--	--	3.8	--	--	--	--	--	ND<5000	--
05/20/94	ND<50	--	--	4.2	--	--	--	--	--	ND<5000	--
08/18/94	ND<50	--	--	4.2	--	--	--	--	--	ND<5000	--
11/16/94	50	--	--	9.8	--	--	--	--	--	ND<5000	--
05/18/95	ND<500	--	--	9.3	--	--	--	--	--	ND<50	--
09/21/99	--	--	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--
03/28/00	--	--	--	--	ND<1.0	ND<20.0	ND<1.0	ND<1.0	ND<100	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-1 continued											
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
MW-2											
02/11/94	--	--	--	4.1	--	--	--	--	--	--	--
05/20/94	--	--	--	4.5	--	--	--	--	--	--	--
08/18/94	--	--	--	4.5	--	--	--	--	--	--	--
11/16/94	--	--	--	6.4	--	--	--	--	--	--	--
02/08/95	--	--	--	7.1	--	--	--	--	--	--	--
05/18/95	ND<500	--	--	9.0	--	--	--	--	--	ND<50	--
03/01/96	--	--	--	9.9	--	--	--	--	--	--	--
04/03/97	--	--	--	7.3	--	--	--	--	--	--	--
03/11/98	--	--	--	6.6	--	--	--	--	--	--	--
09/21/99	--	--	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--
03/28/00	--	--	--	--	ND<4.0	ND<80.0	ND<4.0	ND<4.0	ND<400	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<1.0	ND<1.0	--	ND<2.0	ND<40	ND<2.0	ND<2.0	ND<200	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<4.0	ND<4.0	--	ND<4.0	ND<200	ND<4.0	ND<4.0	ND<1000	--	--
06/27/02	--	ND<10	ND<10	--	ND<10	ND<500	ND<10	ND<10	ND<2500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-2 continued											
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	9.2	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
MW-3											
02/11/94	--	--	--	3.6	--	--	--	--	--	--	--
05/20/94	--	--	--	4.3	--	--	--	--	--	--	--
08/18/94	--	--	--	4.4	--	--	--	--	--	--	--
11/16/94	--	--	--	9.2	--	--	--	--	--	--	--
05/18/95	ND<500	--	--	9.2	--	--	--	--	--	ND<50	--
09/21/99	--	--	--	--	ND<10	ND<500	ND<10	ND<10	--	--	--
03/28/00	--	--	--	--	ND<1.0	ND<20.0	ND<1.0	ND<1.0	ND<100	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-3 continued											
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	ND<0.010
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
MW-4											
02/11/94	--	--	--	4.0	--	--	--	--	--	--	--
05/20/94	--	--	--	4.5	--	--	--	--	--	--	--
08/18/94	--	--	--	4.3	--	--	--	--	--	--	--
11/16/94	--	--	--	7.9	--	--	--	--	--	--	--
05/18/95	ND<500	--	--	9.4	--	--	--	--	--	870	--
03/01/96	--	--	--	9.6	--	--	--	--	--	--	--
04/03/97	--	--	--	7.3	--	--	--	--	--	--	--
03/11/98	--	--	--	6.9	--	--	--	--	--	--	--
09/21/99	--	--	--	--	420	ND<500	ND<10	ND<10	--	--	--
03/28/00	--	--	--	--	ND<400	ND<8000	ND<400	ND<400	ND<40000	--	--
06/10/00	--	--	--	--	270	ND<1000	ND<2.0	ND<2.0	ND<5000	--	--
09/05/00	--	--	--	--	230	ND<250	ND<10	ND<10	ND<2500	--	--
12/16/00	--	--	--	--	685	ND<25000	ND<500	ND<500	ND<250000	--	--
03/26/01	--	ND<100	ND<100	--	230	ND<2500	ND<100	ND<100	ND<25000	--	--
06/28/01	--	ND<1200	ND<1200	--	ND<2500	ND<50000	ND<2500	ND<2500	ND<250000	--	--
09/27/01	--	ND<1000	ND<1000	--	ND<2000	ND<40000	ND<2000	ND<2000	ND<200000	--	--
12/27/01	--	ND<100	ND<100	--	ND<200	ND<4000	ND<200	ND<200	ND<20000	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-4 continued											
03/26/02	--	ND<1000	ND<1000	--	ND<1000	ND<50000	ND<1000	ND<1000	ND<250000	--	--
06/27/02	--	ND<50	ND<50	--	ND<50	24000	ND<50	ND<50	ND<12000	--	--
09/26/02	--	ND<10	ND<10	--	21	19000	ND<10	ND<10	ND<1000	--	--
12/26/02	--	ND<40	ND<40	--	41	4300	ND<40	ND<40	ND<10000	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	4400	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<10	ND<10	--	ND<10	2300	ND<10	ND<10	ND<2500	--	--
09/30/03	--	ND<20	ND<20	--	ND<20	15000	ND<20	ND<20	ND<5000	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<2500	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<2.5	ND<2.5	--	ND<2.5	3300	ND<5.0	ND<2.5	ND<250	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	1800	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	830	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	610	ND<1.0	ND<0.50	ND<50	--	--
MW-5											
03/28/00	--	--	--	--	ND<1.00	ND<20.0	ND<1.00	ND<1.00	ND<100	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<1000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	ND<50	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-5 continued											
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
MW-6											
03/28/00	--	--	--	--	ND<10.0	ND<200	ND<10.0	ND<10.0	ND<1000	--	--
06/10/00	--	--	--	--	ND<2.0	210	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<2.0	240	ND<2.0	ND<2.0	ND<500	--	--
12/16/00	--	--	--	--	ND<5.00	ND<250	ND<5.00	ND<5.00	ND<2500	--	--
03/26/01	--	ND<2.0	ND<2.0	--	ND<2.0	150	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<5.0	ND<5.0	--	ND<10	ND<200	ND<10	ND<10	ND<1000	--	--
09/27/01	--	ND<12	ND<12	--	ND<25	ND<500	ND<25	ND<25	ND<2500	--	--
12/27/01	--	ND<2.5	ND<2.5	--	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<500	--	--
03/26/02	--	ND<10	ND<10	--	ND<10	ND<500	ND<10	ND<10	ND<2500	--	--
06/27/02	--	ND<10	ND<10	--	ND<10	ND<500	ND<10	ND<10	ND<2500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	110	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	84	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	110	ND<1	ND<1	ND<800	--	--

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ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-6 continued											
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	89	ND<1.0	ND<0.50	ND<50	--	ND<0.010
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	130	ND<1.0	ND<0.50	ND<50	--	--
MW-7											
03/28/00	--	--	--	--	ND<100	ND<2000	ND<100	ND<100	ND<10000	--	--
06/10/00	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/05/00	--	--	--	--	ND<100	ND<2500	ND<100	ND<100	ND<25000	--	--
12/16/00	--	--	--	--	181	ND<5000	ND<100	ND<100	ND<50000	--	--
03/26/01	--	ND<2.0	ND<2.0	--	75	1800	ND<2.0	ND<2.0	ND<500	--	--
06/28/01	--	ND<500	ND<500	--	ND<1000	ND<20000	ND<1000	ND<1000	ND<100000	--	--
09/27/01	--	ND<500	ND<500	--	ND<1000	ND<20000	ND<1000	ND<1000	ND<100000	--	--
12/27/01	--	ND<500	ND<500	--	ND<1000	ND<20000	ND<1000	ND<1000	ND<100000	--	--
03/26/02	--	ND<400	ND<400	--	ND<400	ND<20000	ND<400	ND<400	ND<100000	--	--
06/27/02	--	ND<2000	ND<2000	--	ND<2000	ND<100000	ND<2000	ND<2000	ND<500000	--	--
09/26/02	--	ND<5.0	ND<5.0	--	85	1000	ND<5.0	ND<5.0	ND<5000	--	--
12/26/02	--	ND<100	ND<100	--	ND<100	ND<5000	ND<100	ND<100	ND<25000	--	--
03/27/03	--	ND<80	ND<80	--	ND<80	ND<4000	ND<80	ND<80	ND<20000	--	--
06/24/03	--	ND<10	ND<10	--	35	1100	ND<10	ND<10	ND<2500	--	--
09/30/03	--	ND<80	ND<80	--	ND<80	ND<4000	ND<80	ND<80	ND<20000	--	--
12/20/03	--	ND<40	ND<40	--	ND<40	2800	ND<40	ND<40	ND<10000	--	--
03/25/04	--	ND<2.5	ND<2.5	--	ND<2.5	970	ND<5.0	ND<2.5	ND<250	--	--
06/22/04	--	ND<0.5	ND<0.5	--	2.1	1200	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	1.5	600	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	0.95	2300	ND<1.0	ND<0.50	ND<50	--	--
MW-7D											
06/28/01	--	ND<1.2	ND<1.2	--	ND<2.5	ND<50	ND<2.5	ND<2.5	ND<250	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-7D continued											
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
MW-8D											
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	1200	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-8D	continued										
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
MW-8S											
D 06/28/01	--	--	--	--	--	--	--	--	220000	--	--
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	140000	--	--
09/27/01	--	ND<500	ND<500	--	ND<1000	ND<20000	ND<1000	ND<1000	ND<100000	--	--
12/27/01	--	ND<5.0	ND<5.0	--	ND<10	ND<200	ND<10	ND<10	ND<1000	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	ND<0.010
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
MW-9D											
06/28/01	--	ND<2.5	ND<2.5	--	ND<5.0	ND<100	ND<5.0	ND<5.0	ND<500	--	--
09/27/01	--	ND<10	ND<10	--	ND<20	ND<400	ND<20	ND<20	ND<2000	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-9D continued											
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
MW-9S											
D 06/28/01	--	--	--	--	--	--	--	--	150000	--	--
06/28/01	--	ND<5.0	ND<5.0	--	ND<10	ND<200	ND<10	ND<10	150000	--	--
09/27/01	--	ND<100	ND<100	--	ND<200	ND<4000	ND<200	ND<200	ND<20000	--	--
12/27/01	--	ND<5.0	ND<5.0	--	ND<10	ND<200	ND<10	ND<10	ND<1000	--	--
03/26/02	--	ND<40	ND<40	--	ND<40	ND<2000	ND<40	ND<40	ND<10000	--	--
06/27/02	--	ND<40	ND<40	--	ND<40	ND<2000	ND<40	ND<40	ND<10000	--	--
09/26/02	--	ND<2.0	ND<2.0	--	3.9	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<20	ND<20	--	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	--
03/27/03	--	ND<10	ND<10	--	ND<10	ND<500	ND<10	ND<10	ND<2500	--	--
06/24/03	--	ND<20	ND<20	--	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	--
09/30/03	--	ND<20	ND<20	--	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	--
12/20/03	--	ND<20	ND<20	--	ND<20	ND<1000	ND<20	ND<20	ND<5000	--	--
03/25/04	--	ND<1.0	ND<1.0	--	ND<1.0	630	ND<2.0	ND<1.0	ND<100	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	800	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	680	ND<1.0	ND<0.50	ND<50	--	ND<0.010

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former BP Oil 11249

Date Sampled	TPH-D	EDC	EDB	DO	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Ethanol 8260B	TOG	Hexavalent Chromium
	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)
MW-9S continued											
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	780	ND<1.0	ND<0.50	ND<50	--	--
MW-10											
06/28/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
09/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
12/27/01	--	ND<0.50	ND<0.50	--	ND<1.0	ND<20	ND<1.0	ND<1.0	ND<100	--	--
03/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/27/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/26/02	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/27/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
06/24/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
09/30/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
12/20/03	--	ND<2.0	ND<2.0	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--
03/25/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--
06/22/04	--	ND<0.5	ND<0.5	--	ND<1	ND<12	ND<1	ND<1	ND<800	--	--
09/01/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	ND<0.010
12/02/04	--	ND<0.50	ND<0.50	--	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<50	--	--

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:
Santa Rosa Quadrangle

VICINITY MAP

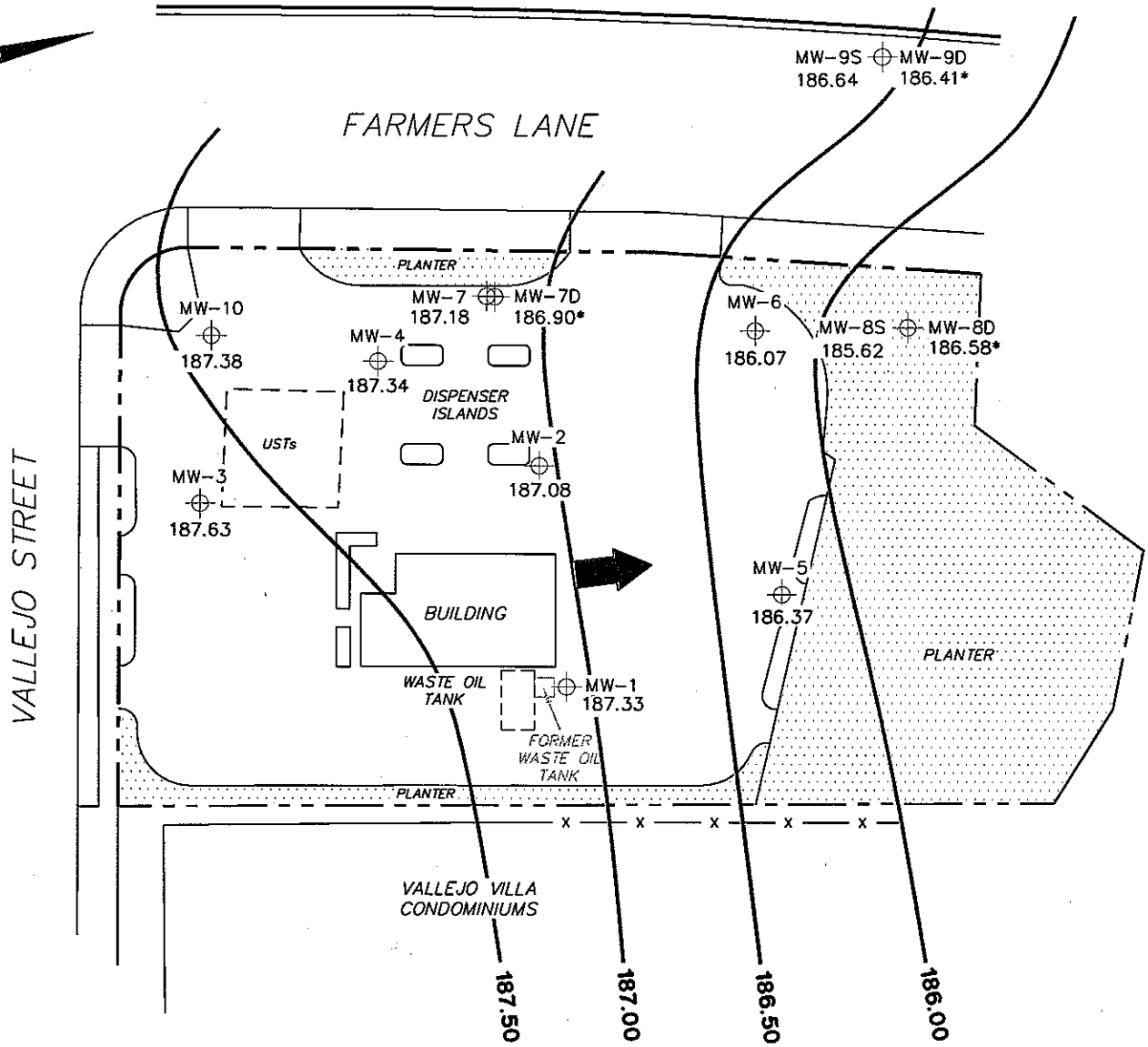
Former BP Oil 11249
1300 Farmers Lane
Santa Rosa, California

TRC

FIGURE 1

PS = 1:1

Graphics on lr1(i:)\VICINITY MAPS\11249vm.dwg 1/30/04 blw



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank. * = not included in groundwater contour interpretation.

LEGEND

MW-10 — Monitoring Well with Groundwater Elevation (feet)

187.50 — Groundwater Elevation Contour

General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
December 2, 2004

Former BP Oil 11249
1300 Farmers Lane
Santa Rosa, California

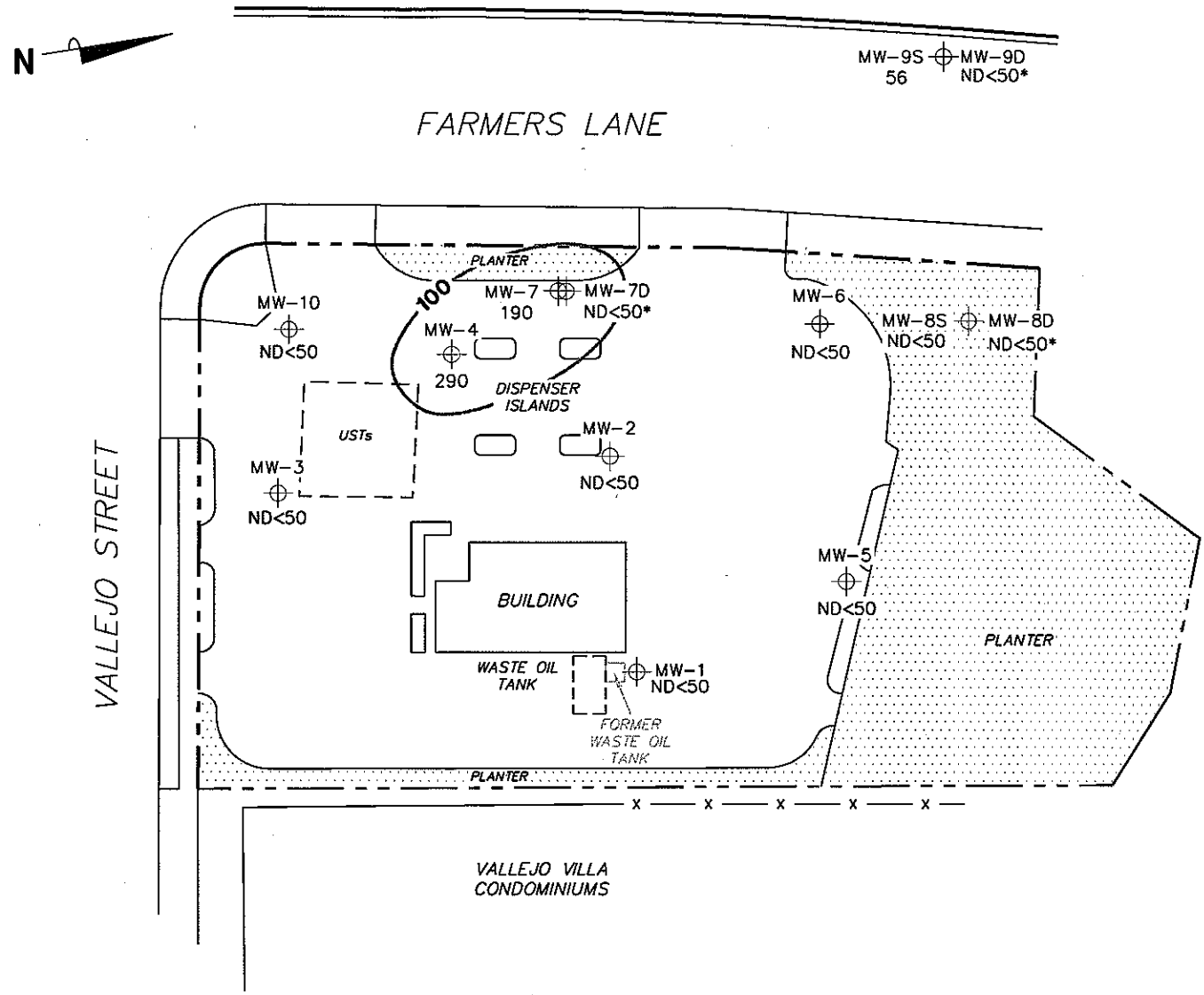
TRC

SCALE (FEET)
0 50

FIGURE 2

PS=1:111249-003

Graphics on Irvine-fs1(L:)\Graphics\Projects By...\20-xxxx\20-0400\\x-11,000\11249+\11249qms.dwg 01/06/05 pjg



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. * = not included in contour interpretation. Results obtained using EPA Method 8015.

LEGEND

MW-10 — Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)

100 — Dissolved-Phase TPH-G Contour (µg/l)

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
December 2, 2004

Former BP Oil 11249
1300 Farmers Lane
Santa Rosa, California

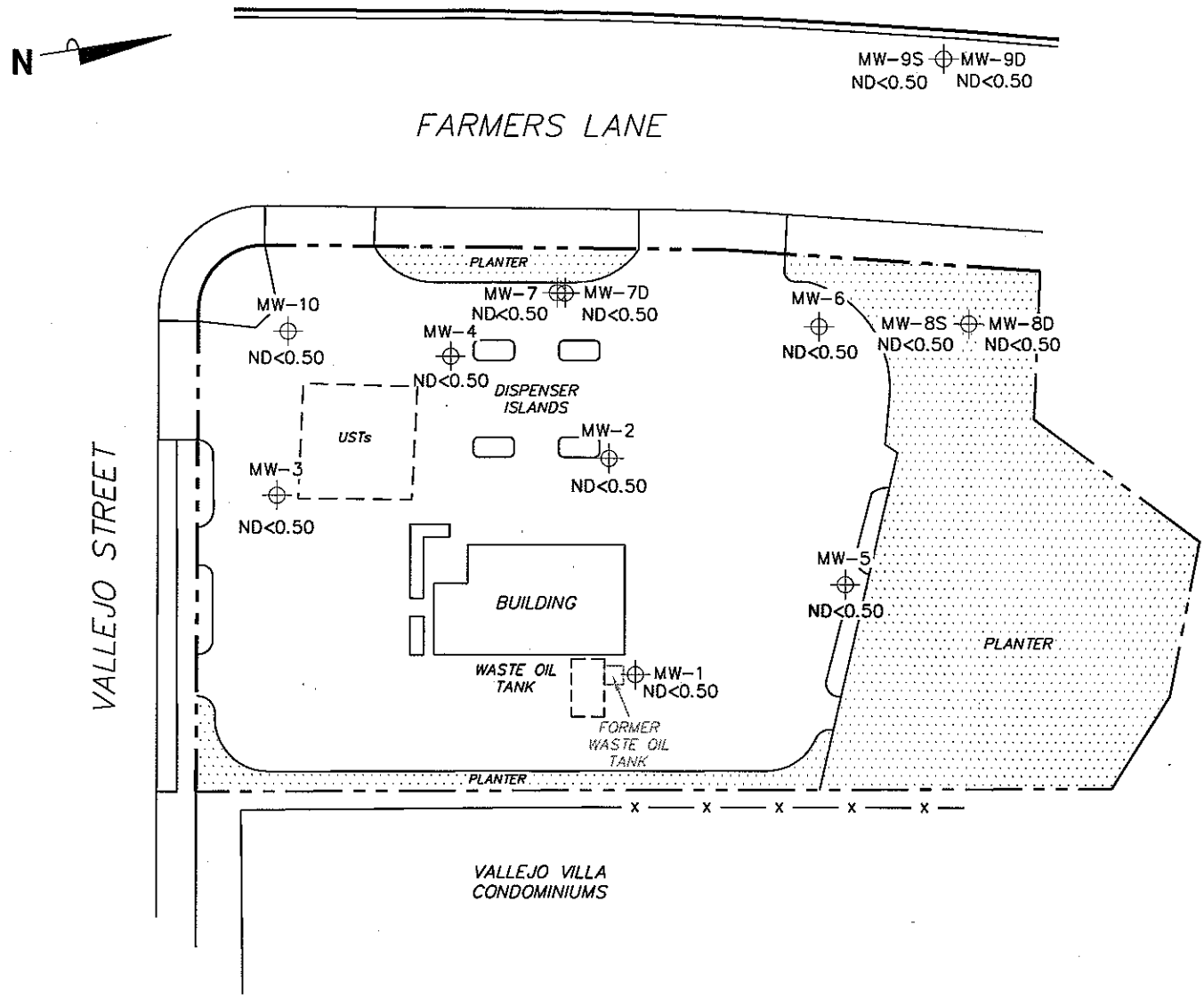
TRC

SCALE (FEET)
0 50

FIGURE 3

PS=1:11249-003

Graphics on Irvine-fs1(L:)\Graphics\Projects By...\20-xxxx\20-0400\\x-11,000\11249+\11249qms.dwg 01/06/05 pjg



NOTES:

µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
December 2, 2004

Former BP Oil 11249
1300 Farmers Lane
Santa Rosa, California

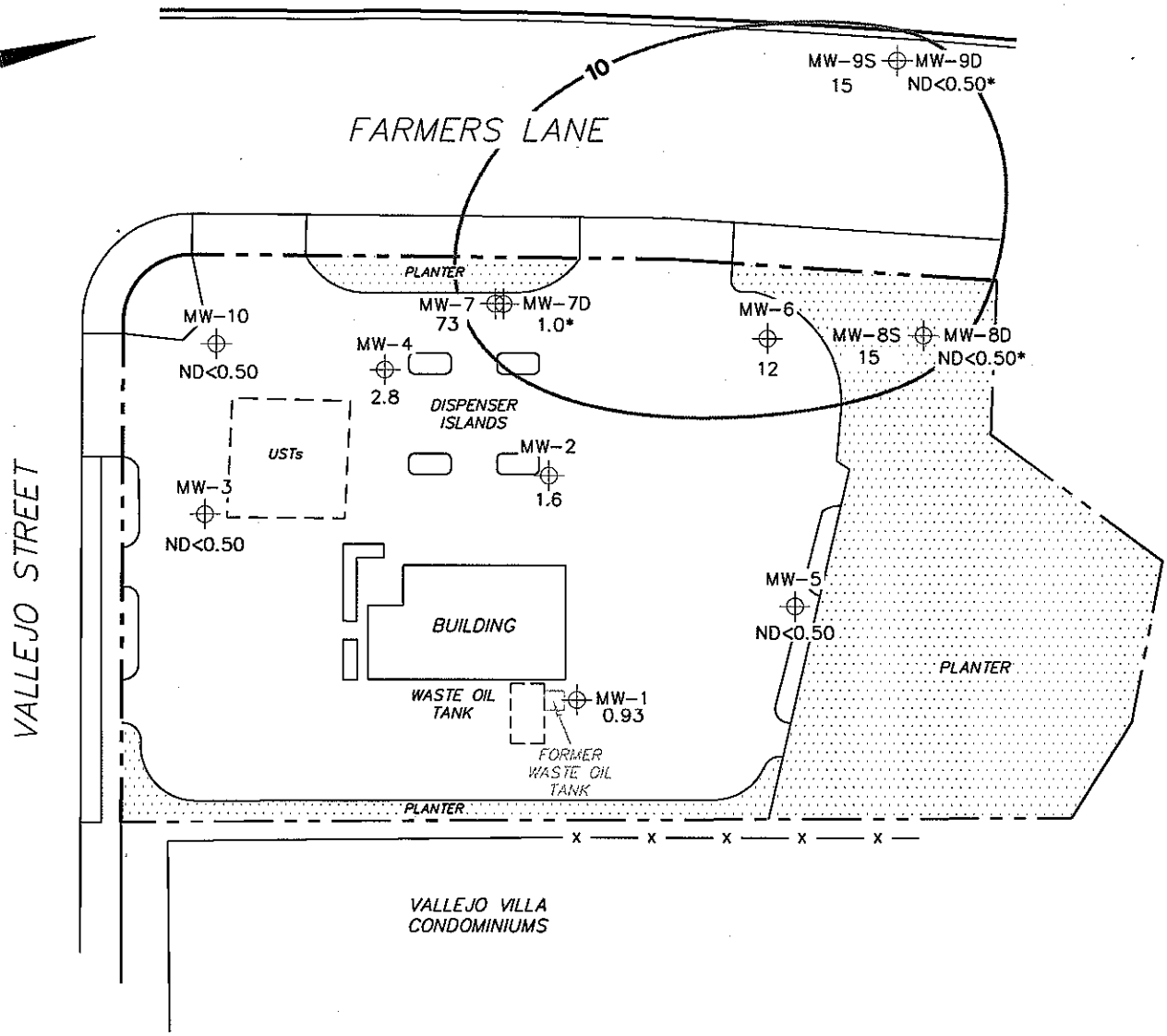
TRC

SCALE (FEET)
0 50

FIGURE 4

PS=1:11249-003

Graphics on Irvine-fs1(L:)\Graphics\Projects By...\20-xxxx\20-0400\\x-11,000\11249+\11249qms.dwg 01/06/05 pjg



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. * = not included in contour interpretation. Results obtained using EPA Method 8260B.

LEGEND

MW-10 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

—10— Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
December 2, 2004

Former BP Oil 11249
1300 Farmers Lane
Santa Rosa, California

TRC

SCALE (FEET)
0 50

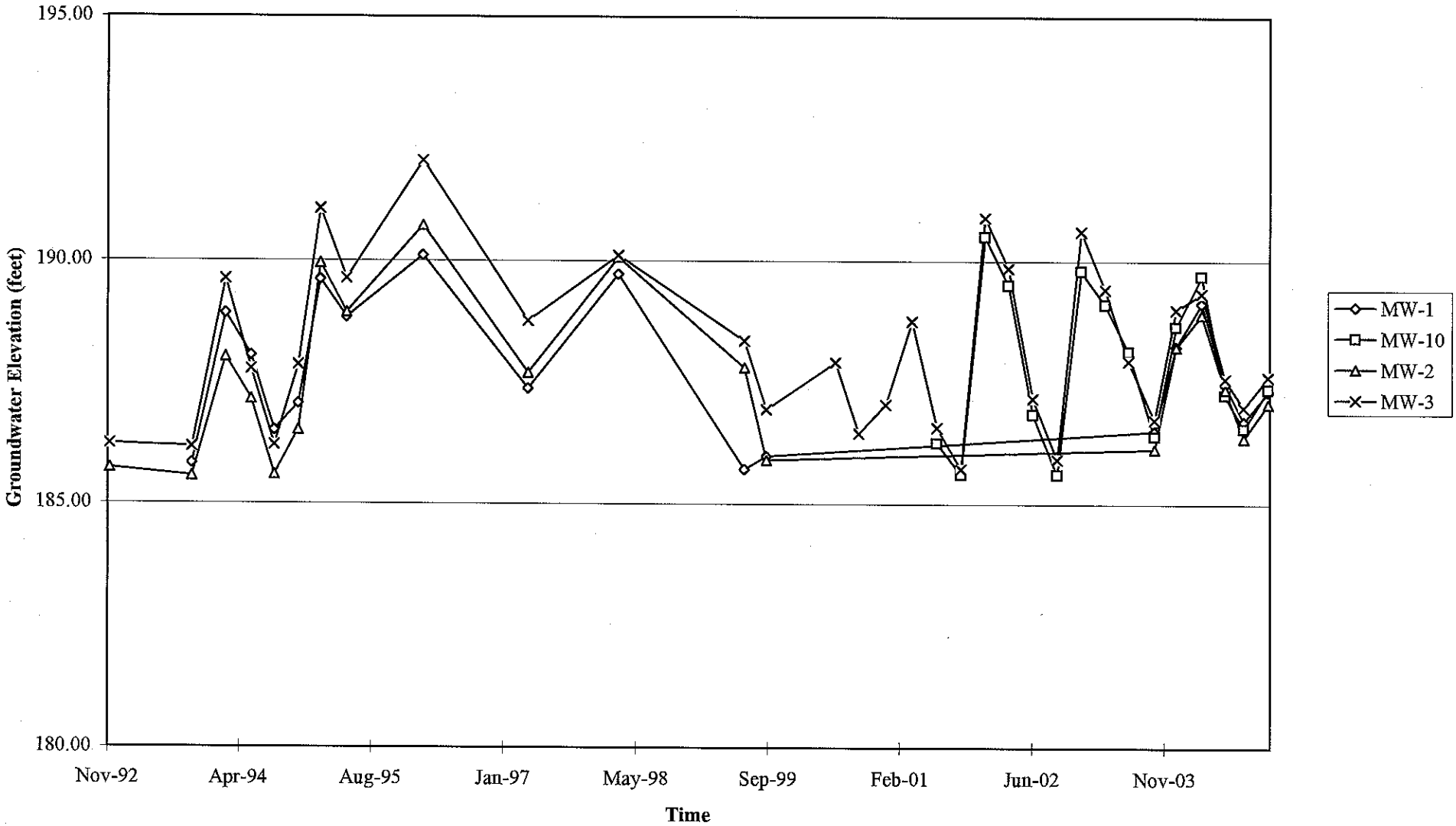
FIGURE 5

PS=1:11249-003

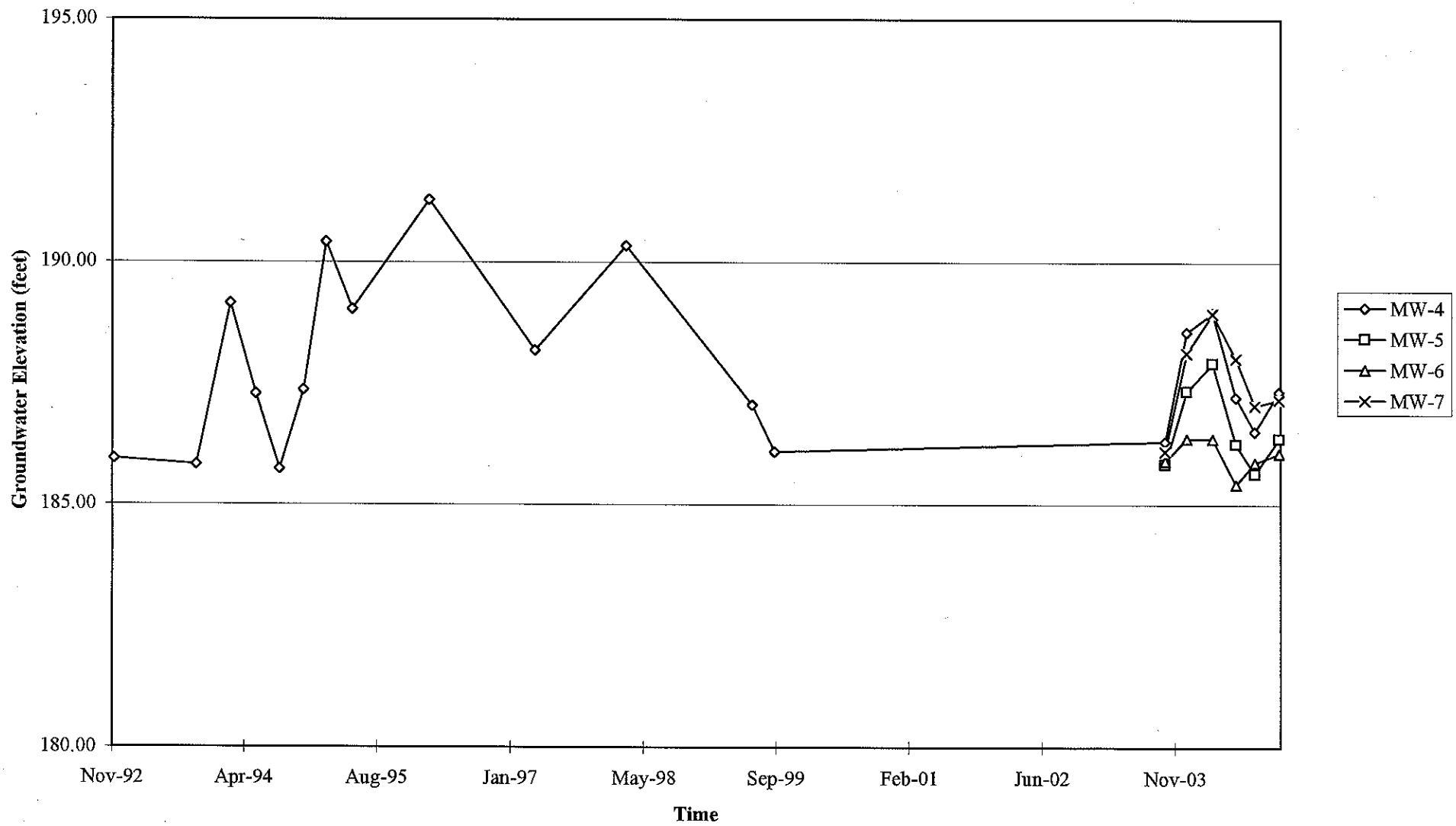
Graphics on Irvine-fs1(L:)\Graphics\Projects By...\20-xxxx\20-0400\\x-11,000\11249+\11249qms.dwg 01/06/05 pjg

GRAPHS

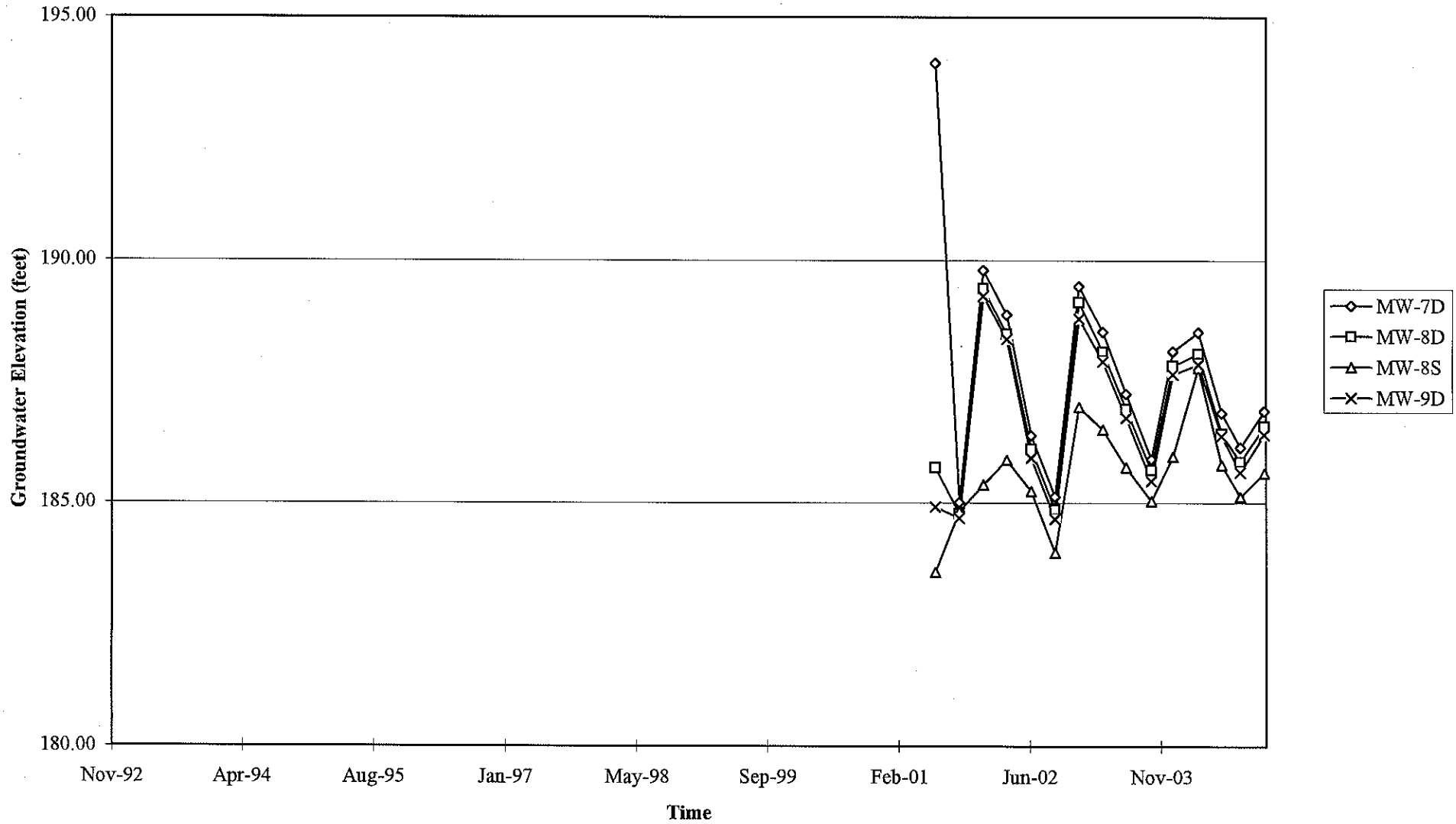
Groundwater Elevations vs. Time
Former BP Oil 11249



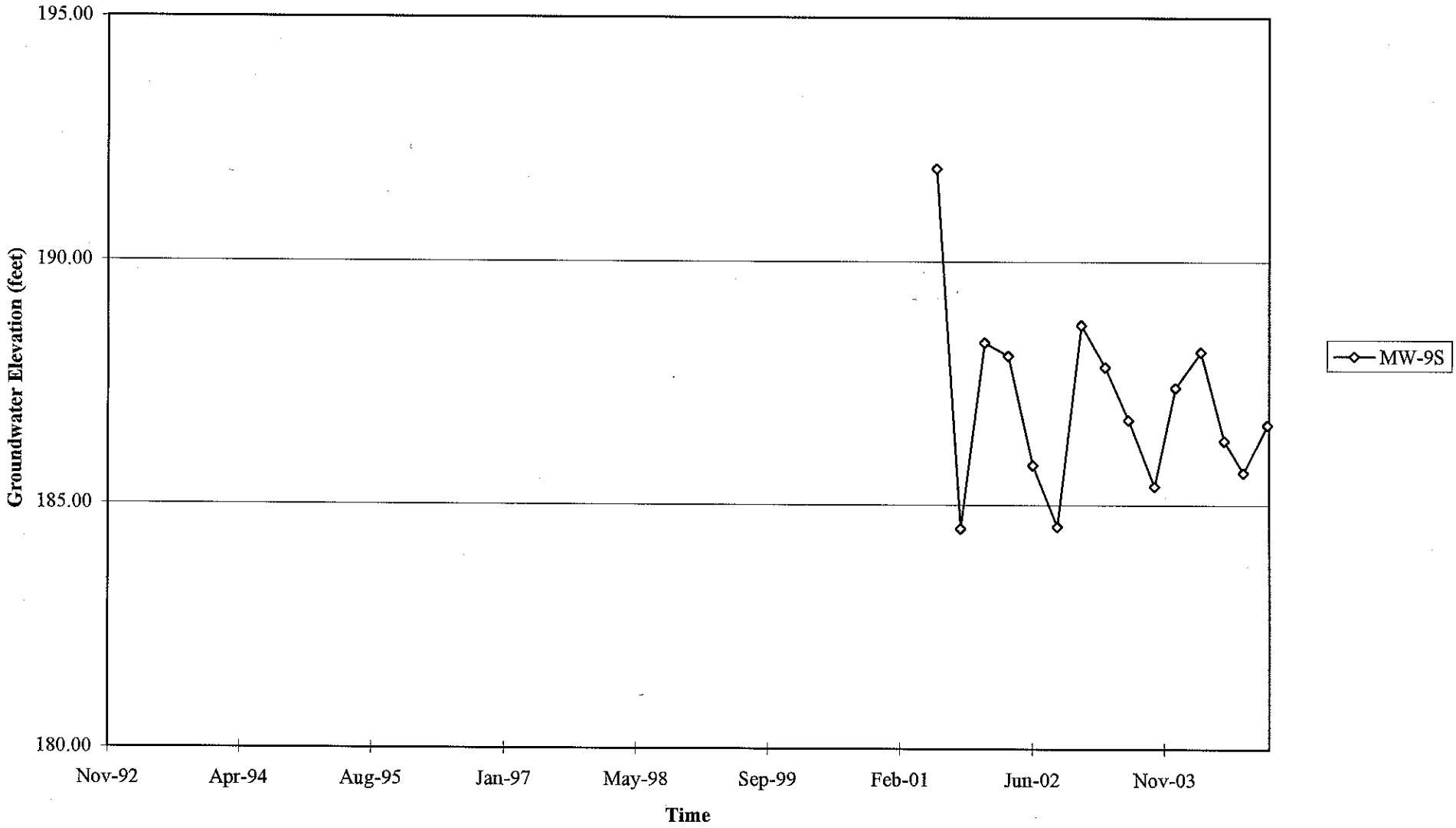
Groundwater Elevations vs. Time
Former BP Oil 11249



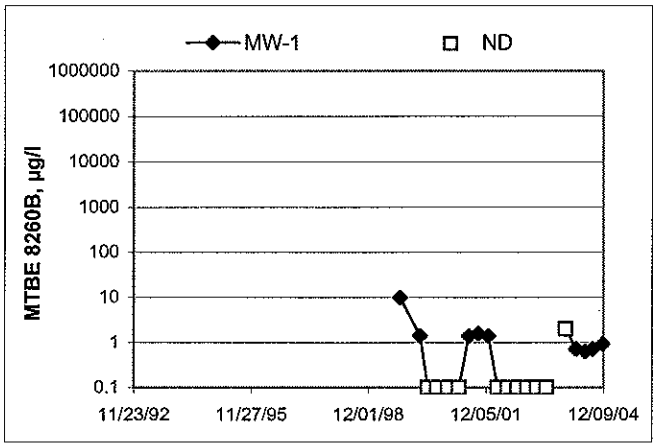
Groundwater Elevations vs. Time
Former BP Oil 11249

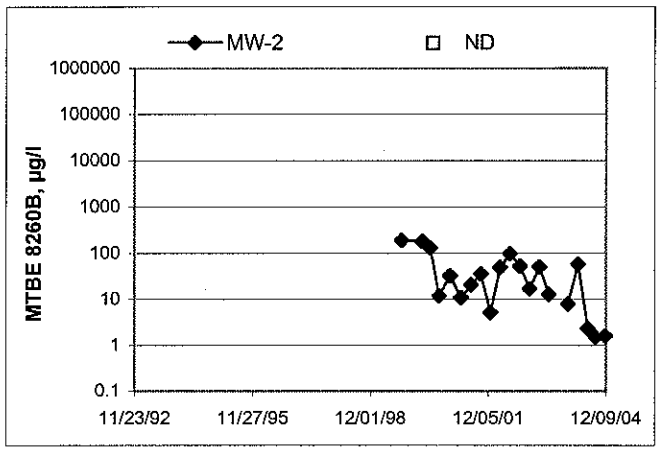


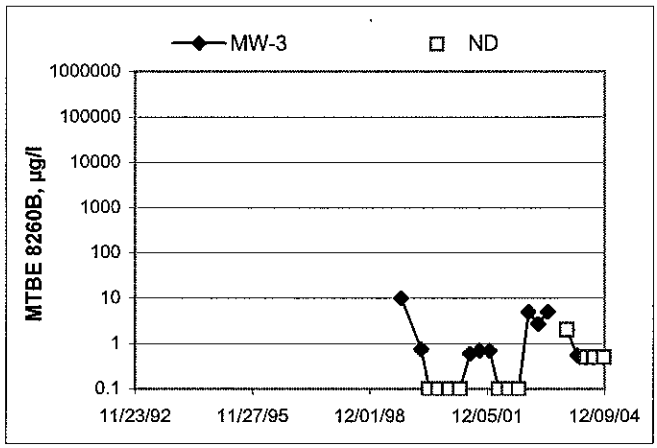
Groundwater Elevations vs. Time
Former BP Oil 11249

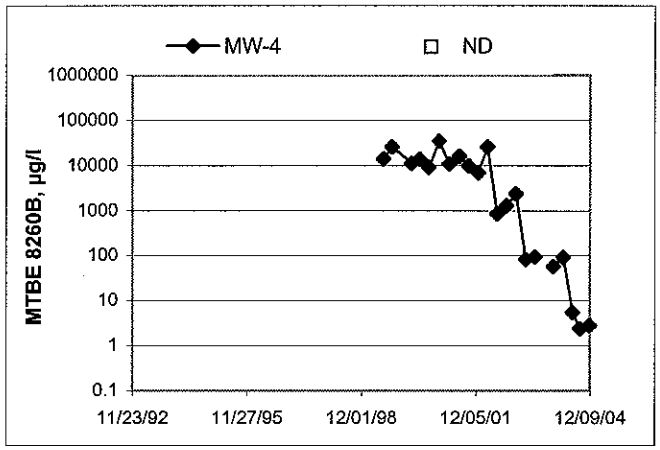


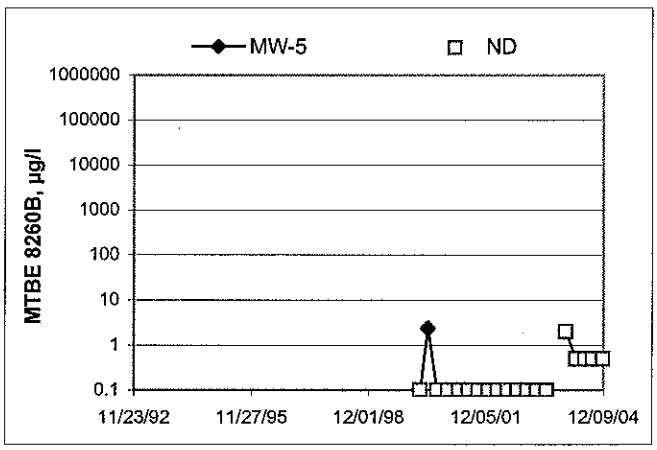
MTBE 8260B Concentrations vs Time
Former BP Oil 11249

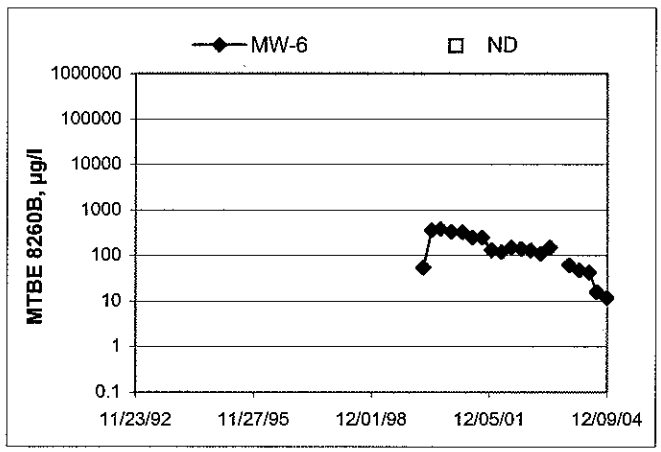


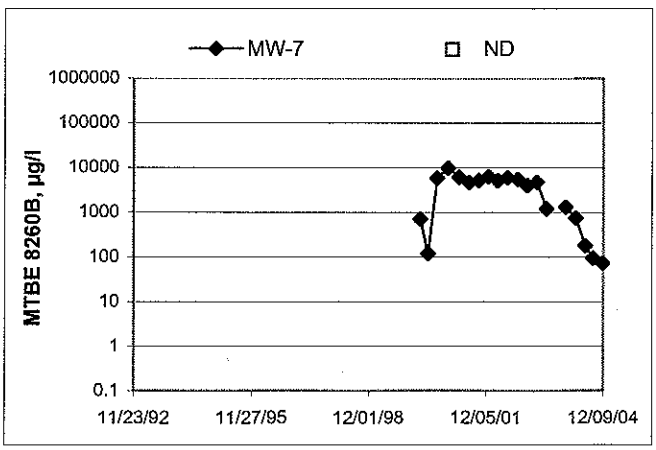


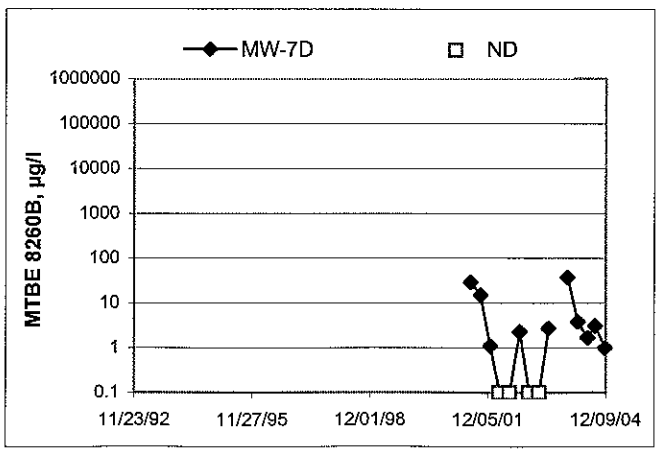




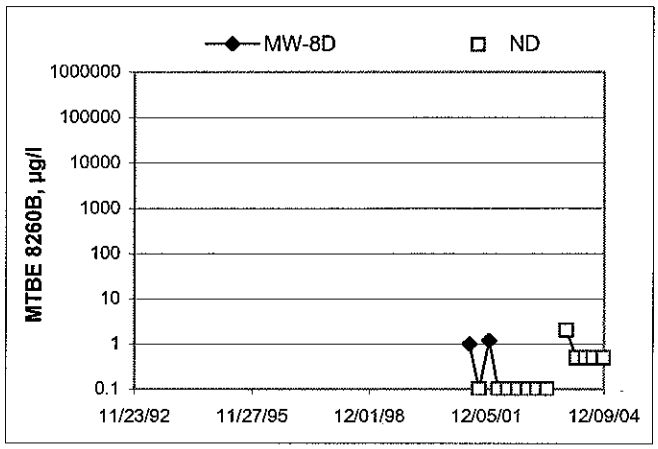


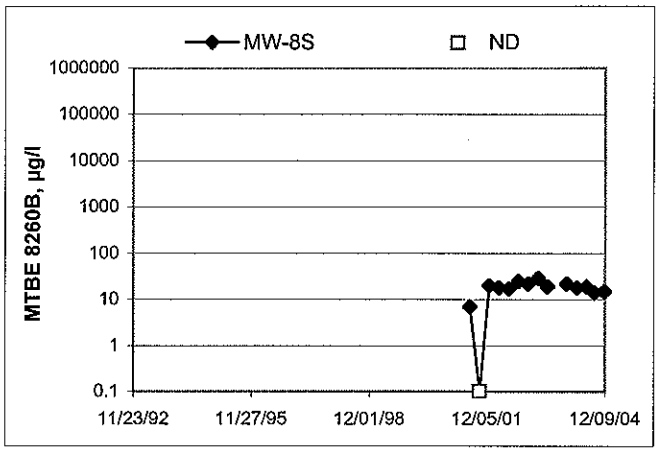


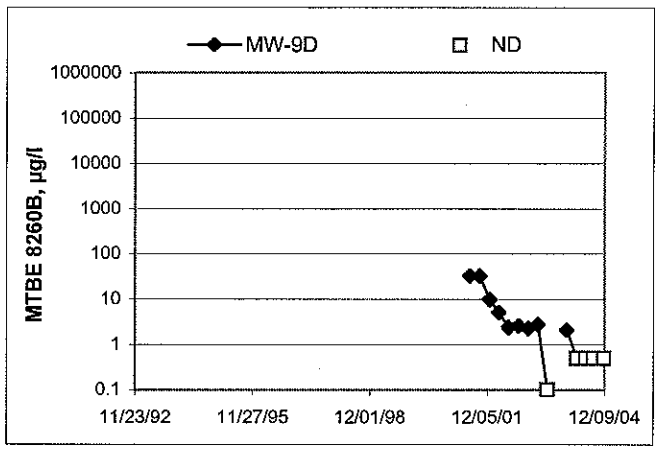


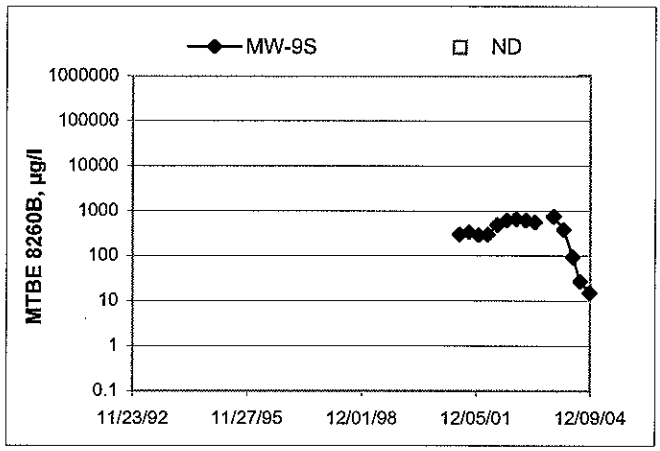


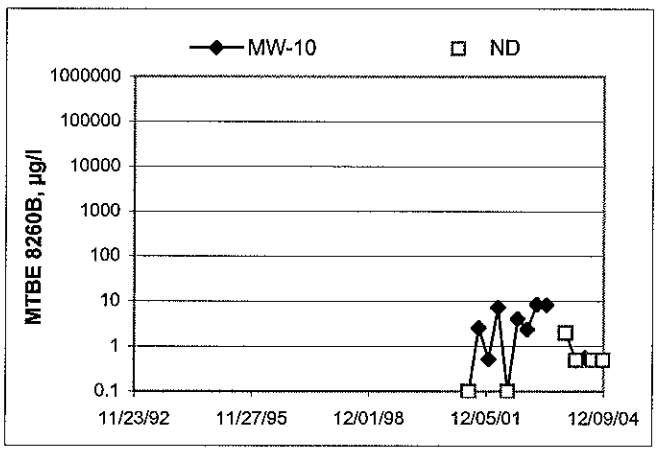
MTBE 8260B Concentrations vs Time
Former BP Oil 11249











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 pre vious 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-inchto 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: ALEX Job #/Task #: 41050001 / F420 Date: 12-02-04

Site # 11249 Project Manager ~~GAVAIN HEINRICH~~ Adrienne Collins Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-3	✓	0653	24.50	12.53	∅	∅	09 45	2"
MW-5	✓	0657	24.76	14.10	∅	∅	1000	2"
MW-10	✓	0703	27.22	12.16	∅	∅	1020	2"
MW-1	✓	0710	36.17	14.01	∅	∅	1034	2"
MW-2	✓	0717	26.90	14.03	∅	∅	1052	2"
MW-4	✓	0725	25.95	12.72	∅	∅	1106	2"
MW-6	✓	0730	24.88	14.38	∅	∅	1123	2"
~~MW-7~~	✓							
MW-9D	✓	0646	58.36	13.73	∅	∅	1021	2"
MW-8D	✓	0652	59.39	14.48	∅	∅	11:14	2"
MW-7D	✓	0658	60.01	13.73	∅	∅	11:58	2"
MW-8S	✓	0703	24.48	15.41	∅	∅	11:34	2"
MW-9S	✓	0732	25.79	13.51	∅	∅	1035	2"
MW-7	✓	0736	24.99	13.38	∅	∅	11:54	2"

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

GROUNDWATER SAMPLING FIELD NOTES

Technician: AKY

Site: 11249

Project No.: 41052001

Date: 12-2-04

Well No.: MW-3

Purge Method: D

Depth to Water (feet): 12.53

Depth to Product (feet): -

Total Depth (feet): 26.50

LPH & Water Recovered (gallons): -

Water Column (feet): 13.97

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 15.32

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0800			2	.620 ms	15.6	7.06		
			4	.634 ms	16.6	7.08		
	0804		6	.653 ms	18.3	7.04		

Static at Time Sampled	Total Gallons Purged	Time Sampled
12.70	6	0945

Comments:

Well No.: MW-5

Purge Method: D

Depth to Water (feet): 14.10

Depth to Product (feet): -

Total Depth (feet): 24.76

LPH & Water Recovered (gallons): -

Water Column (feet): 10.66

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.23

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0809			2	.727 ms	16.6	7.08		
			4	.696 ms	17.9	7.24		
	0814		6	.645 ms	17.4	7.22		

Static at Time Sampled	Total Gallons Purged	Time Sampled
15.20	6	1600

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: ALEX

Site: 11249 Project No.: 4105000 1 Date: 12-2-04

Well No.: MW-10
Depth to Water (feet): 12.16
Total Depth (feet): 27.22
Water Column (feet): 15.06
80% Recharge Depth (feet): 15.17

Purge Method: D
Depth to Product (feet): 6
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 3

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0821			3	.725 ms	18.7	7.12		
			6	.715 ms	19.9	7.30		
	0827		9	.732 ms	19.5	7.28		

Static at Time Sampled	Total Gallons Purged	Time Sampled
12.41	9	1020

Comments:

Well No.: MW-1
Depth to Water (feet): 14.01
Total Depth (feet): 36.17
Water Column (feet): 22.16
80% Recharge Depth (feet): 18.44

Purge Method: D
Depth to Product (feet): 6
LPH & Water Recovered (gallons): 0
Casing Diameter (Inches): 2"
1 Well Volume (gallons): 4

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0838			4	.757 ms	17.6	7.40		
			8	.768 ms	18.2	7.59		
0	0845		12	.754 ms	18.1	7.21		

Static at Time Sampled	Total Gallons Purged	Time Sampled
14.75	12	1034

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Alex

Site: 11249

Project No.: 4105001

Date: 12-02-04

Well No.: MW-2

Purge Method: D

Depth to Water (feet): 14.03

Depth to Product (feet): e

Total Depth (feet): 26.90

LPH & Water Recovered (gallons): e

Water Column (feet): 12.87

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 14.60

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0852			2	1.007 ms	18.4	7.38		
			4	1.013 ms	19.3	7.34		
	0857		6	1.036 ms	19.1	7.18		

Static at Time Sampled	Total Gallons Purged	Time Sampled
14.30	6	1052

Comments:

Well No.: MW-4

Purge Method: D

Depth to Water (feet): 12.72

Depth to Product (feet): e

Total Depth (feet): 25.95

LPH & Water Recovered (gallons): e

Water Column (feet): 13.23

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 15.36

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0902			2	.848 ms	19.5	7.32		
			4	.802 ms	20.6	7.30		
	0907		6	.821 ms	20.6	7.16		

Static at Time Sampled	Total Gallons Purged	Time Sampled
12.76	6	1106

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: AVT

Site: 11249

Project No.: 4105001

Date: 12-2-04

Well No.: MW-6

Purge Method: D

Depth to Water (feet): 14.38

Depth to Product (feet): 6

Total Depth (feet): 24.88

LPH & Water Recovered (gallons): 6

Water Column (feet): 10.5

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 16.48

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0913			2	.787 ms	19.9	7.81		
			4	.795 ms	19.5	7.92		
	0918		6	.879 ms	20.1	7.53		

Static at Time Sampled	Total Gallons Purged	Time Sampled
20.25	6	1123

Comments: DID NOT RECHARGE 80% IN 2HRS

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)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Travis V.

Site: 11249

Project No.: 41050001/FA20

Date: 12-2-04

Well No.: MW-9D

Purge Method: Sub

Depth to Water (feet): 13.73

Depth to Product (feet): Ø

Total Depth (feet): 58.68

LPH & Water Recovered (gallons): Ø

Water Column (feet): 44.95

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 22.72

1 Well Volume (gallons): 7.

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
8:00			7	657	18.6	7.31		
			14	651	20.2	7.39		
	8:17		21	648	20.3	7.40		

Static at Time Sampled		Total Gallons Purged	Time Sampled
13.71		21	10:21

Comments:

Well No.: MW-9S

Purge Method: Sub

Depth to Water (feet): 13.51

Depth to Product (feet): Ø

Total Depth (feet): 25.79

LPH & Water Recovered (gallons): Ø

Water Column (feet): 12.28

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 15.96

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
8:23			2	948	18.0	6.64		
			4	967	18.8	6.61		
	8:31		6	981	12.7	6.64		

Static at Time Sampled		Total Gallons Purged	Time Sampled
17.44		6	18:35

Comments: Did NOT recover in Two hours

GROUNDWATER SAMPLING FIELD NOTES

Technician: Travis V.

Site: 11249

Project No.: 41050001/FA20

Date: 12-2-04

Well No.: MW-8D

Purge Method: Sub

Depth to Water (feet): 14.48

Depth to Product (feet): Ø

Total Depth (feet): 59.39

LPH & Water Recovered (gallons): Ø

Water Column (feet): 44.91

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 23.47

1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
8:40			8	691	18.7	7.28		
			16	682	20.1	7.37		
	8:59		24	707	20.1	7.38		

Static at Time Sampled		Total Gallons Purged	Time Sampled
14.45		24	11:14

Comments:

Well No.: MW-8S

Purge Method: sub

Depth to Water (feet): 15.41

Depth to Product (feet): Ø

Total Depth (feet): 24.48

LPH & Water Recovered (gallons): Ø

Water Column (feet): 9.07

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 17.22

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
9:02			2	819	15.6	6.88		
	9:11		4	816	16.4	6.92		
			6					

Static at Time Sampled		Total Gallons Purged	Time Sampled
15.44		6	11:34

Comments: went Dry did NOT recover in 45 mins

GROUNDWATER SAMPLING FIELD NOTES

Technician: Travis V.

Site: 11249 Project No.: 41050001/FA20 Date: 12-2-09

Well No.: MW-7 Purge Method: Sub

Depth to Water (feet): 13.38 Depth to Product (feet): Ø

Total Depth (feet): 24.99 LPH & Water Recovered (gallons): Ø

Water Column (feet): 11.61 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 15.70 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
9:46			2	605	17.6	7.52		
	9:52		4	855	18.0	6.79		
			6					

Static at Time Sampled	Total Gallons Purged	Time Sampled
15.45	4	11:54

Comments: Went Dry at 4 Gallons

Well No.: MW-7D Purge Method: Sub

Depth to Water (feet): 13.73 Depth to Product (feet): Ø

Total Depth (feet): 60.01 LPH & Water Recovered (gallons): Ø

Water Column (feet): 46.28 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 22.98 1 Well Volume (gallons): 8

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
9:31			8	568	20.5	7.51		
			16	591	21.3	7.41		
	9:44		24	600	21.1	7.41		

Static at Time Sampled	Total Gallons Purged	Time Sampled
13.68	24	11:58

Comments:

SEVERN TRENT STL

Submission#: 2004-12-0180

TRC Alton Geoscience- Irvine

December 17, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips #11249
Site: 1300 Farmers Lane, Santa Rosa

Attached is our report for your samples received on 12/03/2004 15:15
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 01/17/2005 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: 2004-12-0180

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	12/02/2004 09:45	Water	1
MW-5	12/02/2004 10:00	Water	2
MW-10	12/02/2004 10:20	Water	3
MW-1	12/02/2004 10:34	Water	4
MW-2	12/02/2004 10:52	Water	5
MW-4	12/02/2004 11:06	Water	6
MW-6	12/02/2004 11:23	Water	7
MW-9D	12/02/2004 10:21	Water	8
MW-8D	12/02/2004 11:14	Water	9
MW-7D	12/02/2004 11:58	Water	10
MW-8S	12/02/2004 11:34	Water	11
MW-9S	12/02/2004 10:35	Water	12
MW-7	12/02/2004 11:54	Water	13

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-3**	Lab ID:	2004-12-0180 - 1
Sampled:	12/02/2004 09:45	Extracted:	12/15/2004 22:30
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/15/2004 22:30	
Benzene	ND	0.50	ug/L	1.00	12/15/2004 22:30	
Toluene	ND	0.50	ug/L	1.00	12/15/2004 22:30	
Ethyl benzene	ND	0.50	ug/L	1.00	12/15/2004 22:30	
Xylene(s)	ND	0.50	ug/L	1.00	12/15/2004 22:30	
MTBE	ND	5.0	ug/L	1.00	12/15/2004 22:30	
Surrogate(s)						
Trifluorotoluene	101.2	58-124	%	1.00	12/15/2004 22:30	
4-Bromofluorobenzene-FID	85.0	50-150	%	1.00	12/15/2004 22:30	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-5**	Lab ID:	2004-12-0180 - 2
Sampled:	12/02/2004 10:00	Extracted:	12/15/2004 23:02
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/15/2004 23:02	
Benzene	ND	0.50	ug/L	1.00	12/15/2004 23:02	
Toluene	ND	0.50	ug/L	1.00	12/15/2004 23:02	
Ethyl benzene	ND	0.50	ug/L	1.00	12/15/2004 23:02	
Xylene(s)	ND	0.50	ug/L	1.00	12/15/2004 23:02	
MTBE	ND	5.0	ug/L	1.00	12/15/2004 23:02	
Surrogate(s)						
Trifluorotoluene	101.7	58-124	%	1.00	12/15/2004 23:02	
4-Bromofluorobenzene-FID	84.6	50-150	%	1.00	12/15/2004 23:02	

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-10**	Lab ID:	2004-12-0180 - 3
Sampled:	12/02/2004 10:20	Extracted:	12/15/2004 23:35
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/15/2004 23:35	
Benzene	ND	0.50	ug/L	1.00	12/15/2004 23:35	
Toluene	ND	0.50	ug/L	1.00	12/15/2004 23:35	
Ethyl benzene	ND	0.50	ug/L	1.00	12/15/2004 23:35	
Xylene(s)	ND	0.50	ug/L	1.00	12/15/2004 23:35	
MTBE	ND	5.0	ug/L	1.00	12/15/2004 23:35	
Surrogate(s)						
Trifluorotoluene	102.9	58-124	%	1.00	12/15/2004 23:35	
4-Bromofluorobenzene-FID	84.2	50-150	%	1.00	12/15/2004 23:35	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-1**	Lab ID:	2004-12-0180 - 4
Sampled:	12/02/2004 10:34	Extracted:	12/16/2004 00:08
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 00:08	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 00:08	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 00:08	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 00:08	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 00:08	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 00:08	
Surrogate(s)						
Trifluorotoluene	102.4	58-124	%	1.00	12/16/2004 00:08	
4-Bromofluorobenzene-FID	84.0	50-150	%	1.00	12/16/2004 00:08	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-2**	Lab ID:	2004-12-0180 - 5
Sampled:	12/02/2004 10:52	Extracted:	12/16/2004 00:41
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 00:41	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 00:41	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 00:41	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 00:41	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 00:41	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 00:41	
Surrogate(s)						
Trifluorotoluene	102.7	58-124	%	1.00	12/16/2004 00:41	
4-Bromofluorobenzene-FID	84.1	50-150	%	1.00	12/16/2004 00:41	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-4**	Lab ID:	2004-12-0180 - 6
Sampled:	12/02/2004 11:06	Extracted:	12/16/2004 01:13
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	290	50	ug/L	1.00	12/16/2004 01:13	Q1
Benzene	ND	0.50	ug/L	1.00	12/16/2004 01:13	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 01:13	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 01:13	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 01:13	
MTBE	13	5.0	ug/L	1.00	12/16/2004 01:13	
Surrogate(s)						
Trifluorotoluene	101.1	58-124	%	1.00	12/16/2004 01:13	
4-Bromofluorobenzene-FID	90.6	50-150	%	1.00	12/16/2004 01:13	

Gas/BTEX Compounds by 8015M/8021

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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-6**	Lab ID:	2004-12-0180 - 7
Sampled:	12/02/2004 11:23	Extracted:	12/16/2004 01:46
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 01:46	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 01:46	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 01:46	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 01:46	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 01:46	
MTBE	14	5.0	ug/L	1.00	12/16/2004 01:46	
Surrogate(s)						
Trifluorotoluene	103.8	58-124	%	1.00	12/16/2004 01:46	
4-Bromofluorobenzene-FID	82.7	50-150	%	1.00	12/16/2004 01:46	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-9D**	Lab ID:	2004-12-0180 - 8
Sampled:	12/02/2004 10:21	Extracted:	12/16/2004 02:18
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 02:18	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 02:18	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 02:18	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 02:18	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 02:18	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 02:18	
Surrogate(s)						
Trifluorotoluene	100.1	58-124	%	1.00	12/16/2004 02:18	
4-Bromofluorobenzene-FID	85.3	50-150	%	1.00	12/16/2004 02:18	

Gas/BTEX Compounds by 8015M/8021

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Phone: (949) 341-7440 Fax: (949) 753-0111

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-8D**	Lab ID:	2004-12-0180 - 9
Sampled:	12/02/2004 11:14	Extracted:	12/16/2004 02:51
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 02:51	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 02:51	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 02:51	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 02:51	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 02:51	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 02:51	
Surrogate(s)						
Trifluorotoluene	102.4	58-124	%	1.00	12/16/2004 02:51	
4-Bromofluorobenzene-FID	86.5	50-150	%	1.00	12/16/2004 02:51	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-7D**	Lab ID:	2004-12-0180 - 10
Sampled:	12/02/2004 11:58	Extracted:	12/16/2004 03:24
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 03:24	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 03:24	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 03:24	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 03:24	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 03:24	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 03:24	
Surrogate(s)						
Trifluorotoluene	99.3	58-124	%	1.00	12/16/2004 03:24	
4-Bromofluorobenzene-FID	85.0	50-150	%	1.00	12/16/2004 03:24	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-8S**	Lab ID:	2004-12-0180 - 11
Sampled:	12/02/2004 11:34	Extracted:	12/16/2004 05:02
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 05:02	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 05:02	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 05:02	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 05:02	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 05:02	
MTBE	15	5.0	ug/L	1.00	12/16/2004 05:02	
Surrogate(s)						
Trifluorotoluene	103.6	58-124	%	1.00	12/16/2004 05:02	
4-Bromofluorobenzene-FID	86.1	50-150	%	1.00	12/16/2004 05:02	

Gas/BTEX Compounds by 8015M/8021

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Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-9S**	Lab ID:	2004-12-0180 - 12
Sampled:	12/02/2004 10:35	Extracted:	12/16/2004 05:34
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	56	50	ug/L	1.00	12/16/2004 05:34	Q1
Benzene	ND	0.50	ug/L	1.00	12/16/2004 05:34	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 05:34	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 05:34	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 05:34	
MTBE	24	5.0	ug/L	1.00	12/16/2004 05:34	
Surrogate(s)						
Trifluorotoluene	104.1	58-124	%	1.00	12/16/2004 05:34	
4-Bromofluorobenzene-FID	85.6	50-150	%	1.00	12/16/2004 05:34	

Gas/BTEX Compounds by 8015M/8021

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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-7**	Lab ID:	2004-12-0180 - 13
Sampled:	12/02/2004 11:54	Extracted:	12/16/2004 06:07
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	190	50	ug/L	1.00	12/16/2004 06:07	Q1
Benzene	ND	0.50	ug/L	1.00	12/16/2004 06:07	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 06:07	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 06:07	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 06:07	
MTBE	94	5.0	ug/L	1.00	12/16/2004 06:07	
Surrogate(s)						
Trifluorotoluene	104.4	58-124	%	1.00	12/16/2004 06:07	
4-Bromofluorobenzene-FID	88.7	50-150	%	1.00	12/16/2004 06:07	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030
5030

Test(s): 8015M
8021B

Method Blank **Water** **QC Batch # 2004/12/15-01.05**

MB: 2004/12/15-01.05-014

Date Extracted: 12/15/2004 15:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/15/2004 15:59	
Benzene	ND	0.5	ug/L	12/15/2004 15:59	
Toluene	ND	0.5	ug/L	12/15/2004 15:59	
Ethyl benzene	ND	0.5	ug/L	12/15/2004 15:59	
Xylene(s)	ND	0.5	ug/L	12/15/2004 15:59	
MTBE	ND	5.0	ug/L	12/15/2004 15:59	
Surrogates(s)					
Trifluorotoluene	96.6	58-124	%	12/15/2004 15:59	
4-Bromofluorobenzene-FID	82.5	50-150	%	12/15/2004 15:59	

Gas/BTEX Compounds by 8015M/8021

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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/12/15-01.05**

LCS 2004/12/15-01.05-015 Extracted: 12/15/2004 Analyzed: 12/15/2004 16:31
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	52.2		50.0	104.4			77-123	20		
Toluene	52.2		50.0	104.4			78-122	20		
Ethyl benzene	51.2		50	102.4			70-130	20		
Xylene(s)	155		150	103.3			75-125	20		
Surrogates(s)										
Trifluorotoluene	499		500	99.8			58-124			

Gas/BTEX Compounds by 8015M/8021

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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/12/15-01.05**

LCS 2004/12/15-01.05-016 Extracted: 12/15/2004 Analyzed: 12/15/2004 17:04
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	304		250	121.6			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	435		500	87.0			50-150			

Gas/BTEX Compounds by 8015M/8021

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Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8021B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/15-01.05**

MS/MSD Lab ID: 2004-12-0202 - 031

MS: 2004/12/15-01.05-019 Extracted: 12/15/2004 Analyzed: 12/15/2004 18:42
Dilution: 200.00

MSD: 2004/12/15-01.05-020 Extracted: 12/15/2004 Analyzed: 12/15/2004 19:14
Dilution: 200.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	9800	10400	8.64	10000	97.9	103.9	5.9	65-135	20		
Toluene	9580	10300	13.0	10000	95.7	102.9	7.3	65-135	20		
Ethyl benzene	9360	10000	7.54	10000	93.5	99.9	6.6	65-135	20		
Xylene(s)	29000	30700	31.4	30000	96.6	102.2	5.6	65-135	20		
Surrogate(s)											
Trifluorotoluene	484	495		500	96.8	99.1		58-124			

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/15-01.05**

MS/MSD Lab ID: 2004-12-0202 - 031

MS: 2004/12/15-01.05-022 Extracted: 12/15/2004 Analyzed: 12/15/2004 20:20
Dilution: 200.00

MSD: 2004/12/15-01.05-023 Extracted: 12/15/2004 Analyzed: 12/15/2004 20:52
Dilution: 200.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	65000	70400	15000	50000	100.0	110.8	10.2	65-135	20		
Surrogate(s)											
4-Bromofluorobenzene-FID	421	432		500	84.2	86.4		50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Legend and Notes

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

SEVERN TRENT STL

Submission#: 2004-12-0180

TRC Alton Geoscience- Irvine

December 17, 2004

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001FA20
Project: Conoco Phillips #11249
Site: 1300 Farmers Lane, Santa Rosa

Attached is our report for your samples received on 12/03/2004 15:15
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 01/17/2005 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: 2004-12-0180

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	12/02/2004 09:45	Water	1
MW-5	12/02/2004 10:00	Water	2
MW-10	12/02/2004 10:20	Water	3
MW-1	12/02/2004 10:34	Water	4
MW-2	12/02/2004 10:52	Water	5
MW-4	12/02/2004 11:06	Water	6
MW-6	12/02/2004 11:23	Water	7
MW-9D	12/02/2004 10:21	Water	8
MW-8D	12/02/2004 11:14	Water	9
MW-7D	12/02/2004 11:58	Water	10
MW-8S	12/02/2004 11:34	Water	11
MW-9S	12/02/2004 10:35	Water	12
MW-7	12/02/2004 11:54	Water	13

Gas/BTEX Fuel Oxygenates by 8260B

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2004-12-0180 - 1
Sampled:	12/02/2004 09:45	Extracted:	12/9/2004 11:04
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/09/2004 11:04	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/09/2004 11:04	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 11:04	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 11:04	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 11:04	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 11:04	
EDB	ND	0.50	ug/L	1.00	12/09/2004 11:04	
Ethanol	ND	50	ug/L	1.00	12/09/2004 11:04	
Surrogate(s)						
1,2-Dichloroethane-d4	91.3	73-130	%	1.00	12/09/2004 11:04	
Toluene-d8	91.2	81-114	%	1.00	12/09/2004 11:04	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-5**	Lab ID:	2004-12-0180 - 2
Sampled:	12/02/2004 10:00	Extracted:	12/9/2004 11:27
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/09/2004 11:27	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/09/2004 11:27	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 11:27	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 11:27	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 11:27	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 11:27	
EDB	ND	0.50	ug/L	1.00	12/09/2004 11:27	
Ethanol	ND	50	ug/L	1.00	12/09/2004 11:27	
Surrogate(s)						
1,2-Dichloroethane-d4	91.7	73-130	%	1.00	12/09/2004 11:27	
Toluene-d8	97.0	81-114	%	1.00	12/09/2004 11:27	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-10**	Lab ID:	2004-12-0180 - 3
Sampled:	12/02/2004 10:20	Extracted:	12/9/2004 11:49
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/09/2004 11:49	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/09/2004 11:49	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 11:49	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 11:49	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 11:49	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 11:49	
EDB	ND	0.50	ug/L	1.00	12/09/2004 11:49	
Ethanol	ND	50	ug/L	1.00	12/09/2004 11:49	
Surrogate(s)						
1,2-Dichloroethane-d4	92.9	73-130	%	1.00	12/09/2004 11:49	
Toluene-d8	97.6	81-114	%	1.00	12/09/2004 11:49	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-1**	Lab ID:	2004-12-0180 - 4
Sampled:	12/02/2004 10:34	Extracted:	12/9/2004 12:11
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/09/2004 12:11	
Methyl tert-butyl ether (MTBE)	0.93	0.50	ug/L	1.00	12/09/2004 12:11	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 12:11	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 12:11	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 12:11	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 12:11	
EDB	ND	0.50	ug/L	1.00	12/09/2004 12:11	
Ethanol	ND	50	ug/L	1.00	12/09/2004 12:11	
Surrogate(s)						
1,2-Dichloroethane-d4	91.9	73-130	%	1.00	12/09/2004 12:11	
Toluene-d8	95.2	81-114	%	1.00	12/09/2004 12:11	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-2**	Lab ID:	2004-12-0180 - 5
Sampled:	12/02/2004 10:52	Extracted:	12/9/2004 12:34
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/09/2004 12:34	
Methyl tert-butyl ether (MTBE)	1.6	0.50	ug/L	1.00	12/09/2004 12:34	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 12:34	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 12:34	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 12:34	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 12:34	
EDB	ND	0.50	ug/L	1.00	12/09/2004 12:34	
Ethanol	ND	50	ug/L	1.00	12/09/2004 12:34	
Surrogate(s)						
1,2-Dichloroethane-d4	91.8	73-130	%	1.00	12/09/2004 12:34	
Toluene-d8	100.4	81-114	%	1.00	12/09/2004 12:34	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-4**	Lab ID:	2004-12-0180 - 6
Sampled:	12/02/2004 11:06	Extracted:	12/9/2004 12:56
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	610	5.0	ug/L	1.00	12/09/2004 12:56	
Methyl tert-butyl ether (MTBE)	2.8	0.50	ug/L	1.00	12/09/2004 12:56	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 12:56	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 12:56	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 12:56	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 12:56	
EDB	ND	0.50	ug/L	1.00	12/09/2004 12:56	
Ethanol	ND	50	ug/L	1.00	12/09/2004 12:56	
Surrogate(s)						
1,2-Dichloroethane-d4	95.3	73-130	%	1.00	12/09/2004 12:56	
Toluene-d8	92.9	81-114	%	1.00	12/09/2004 12:56	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6**	Lab ID:	2004-12-0180 - 7
Sampled:	12/02/2004 11:23	Extracted:	12/9/2004 13:18
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	130	5.0	ug/L	1.00	12/09/2004 13:18	
Methyl tert-butyl ether (MTBE)	12	0.50	ug/L	1.00	12/09/2004 13:18	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 13:18	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 13:18	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 13:18	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 13:18	
EDB	ND	0.50	ug/L	1.00	12/09/2004 13:18	
Ethanol	ND	50	ug/L	1.00	12/09/2004 13:18	
Surrogate(s)						
1,2-Dichloroethane-d4	93.5	73-130	%	1.00	12/09/2004 13:18	
Toluene-d8	82.1	81-114	%	1.00	12/09/2004 13:18	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
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Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9D**	Lab ID:	2004-12-0180 - 8
Sampled:	12/02/2004 10:21	Extracted:	12/9/2004 13:41
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/09/2004 13:41	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/09/2004 13:41	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 13:41	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 13:41	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 13:41	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 13:41	
EDB	ND	0.50	ug/L	1.00	12/09/2004 13:41	
Ethanol	ND	50	ug/L	1.00	12/09/2004 13:41	
Surrogate(s)						
1,2-Dichloroethane-d4	91.9	73-130	%	1.00	12/09/2004 13:41	
Toluene-d8	96.0	81-114	%	1.00	12/09/2004 13:41	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-8D**	Lab ID:	2004-12-0180 - 9
Sampled:	12/02/2004 11:14	Extracted:	12/9/2004 14:03
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/09/2004 14:03	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	12/09/2004 14:03	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 14:03	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 14:03	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 14:03	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 14:03	
EDB	ND	0.50	ug/L	1.00	12/09/2004 14:03	
Ethanol	ND	50	ug/L	1.00	12/09/2004 14:03	
Surrogate(s)						
1,2-Dichloroethane-d4	93.2	73-130	%	1.00	12/09/2004 14:03	
Toluene-d8	93.5	81-114	%	1.00	12/09/2004 14:03	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-7D**	Lab ID:	2004-12-0180 - 10
Sampled:	12/02/2004 11:58	Extracted:	12/9/2004 14:25
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/09/2004 14:25	
Methyl tert-butyl ether (MTBE)	1.0	0.50	ug/L	1.00	12/09/2004 14:25	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 14:25	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 14:25	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 14:25	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 14:25	
EDB	ND	0.50	ug/L	1.00	12/09/2004 14:25	
Ethanol	ND	50	ug/L	1.00	12/09/2004 14:25	
Surrogate(s)						
1,2-Dichloroethane-d4	93.9	73-130	%	1.00	12/09/2004 14:25	
Toluene-d8	96.2	81-114	%	1.00	12/09/2004 14:25	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-8S**	Lab ID:	2004-12-0180 - 11
Sampled:	12/02/2004 11:34	Extracted:	12/9/2004 14:48
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	12/09/2004 14:48	
Methyl tert-butyl ether (MTBE)	15	0.50	ug/L	1.00	12/09/2004 14:48	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 14:48	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 14:48	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 14:48	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 14:48	
EDB	ND	0.50	ug/L	1.00	12/09/2004 14:48	
Ethanol	ND	50	ug/L	1.00	12/09/2004 14:48	
Surrogate(s)						
1,2-Dichloroethane-d4	94.2	73-130	%	1.00	12/09/2004 14:48	
Toluene-d8	89.6	81-114	%	1.00	12/09/2004 14:48	

Gas/BTEX Fuel Oxygenates by 8260B

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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9S**	Lab ID:	2004-12-0180 - 12
Sampled:	12/02/2004 10:35	Extracted:	12/9/2004 15:10
Matrix:	Water	QC Batch#:	2004/12/09-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	780	5.0	ug/L	1.00	12/09/2004 15:10	
Methyl tert-butyl ether (MTBE)	15	0.50	ug/L	1.00	12/09/2004 15:10	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 15:10	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 15:10	
tert-Amyl methyl ether (TAME)	ND	0.50	ug/L	1.00	12/09/2004 15:10	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 15:10	
EDB	ND	0.50	ug/L	1.00	12/09/2004 15:10	
Ethanol	ND	50	ug/L	1.00	12/09/2004 15:10	
Surrogate(s)						
1,2-Dichloroethane-d4	91.3	73-130	%	1.00	12/09/2004 15:10	
Toluene-d8	97.1	81-114	%	1.00	12/09/2004 15:10	

Gas/BTEX Fuel Oxygenates by 8260B

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Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-7**	Lab ID:	2004-12-0180 - 13
Sampled:	12/02/2004 11:54	Extracted:	12/9/2004 15:32 12/11/2004 14:39
Matrix:	Water	QC Batch#:	2004/12/09-1E.64 2004/12/11-1B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
tert-Butyl alcohol (TBA)	2300	25	ug/L	5.00	12/11/2004 14:39	
Methyl tert-butyl ether (MTBE)	73	0.50	ug/L	1.00	12/09/2004 15:32	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	1.00	12/09/2004 15:32	
Ethyl tert-butyl ether (ETBE)	ND	0.50	ug/L	1.00	12/09/2004 15:32	
tert-Amyl methyl ether (TAME)	0.95	0.50	ug/L	1.00	12/09/2004 15:32	
1,2-DCA	ND	0.50	ug/L	1.00	12/09/2004 15:32	
EDB	ND	0.50	ug/L	1.00	12/09/2004 15:32	
Ethanol	ND	50	ug/L	1.00	12/09/2004 15:32	
Surrogate(s)						
1,2-Dichloroethane-d4	125.9	73-130	%	5.00	12/11/2004 14:39	
1,2-Dichloroethane-d4	94.5	73-130	%	1.00	12/09/2004 15:32	
Toluene-d8	102.6	81-114	%	5.00	12/11/2004 14:39	
Toluene-d8	98.5	81-114	%	1.00	12/09/2004 15:32	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/12/09-1B.64**

MB: 2004/12/09-1B.64-013 — Date Extracted: 12/09/2004 09:13

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/09/2004 09:13	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/09/2004 09:13	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/09/2004 09:13	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/09/2004 09:13	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/09/2004 09:13	
1,2-DCA	ND	0.5	ug/L	12/09/2004 09:13	
EDB	ND	0.5	ug/L	12/09/2004 09:13	
Ethanol	ND	50	ug/L	12/09/2004 09:13	
Surrogates(s)					
1,2-Dichloroethane-d4	88.4	73-130	%	12/09/2004 09:13	
Toluene-d8	95.4	81-114	%	12/09/2004 09:13	

Gas/BTEX Fuel Oxygenates by 8260B

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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/12/09-1E.64**

MB: 2004/12/09-1E.64-013 — Date Extracted: 12/09/2004 09:13

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/09/2004 09:13	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/09/2004 09:13	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/09/2004 09:13	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/09/2004 09:13	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/09/2004 09:13	
1,2-DCA	ND	0.5	ug/L	12/09/2004 09:13	
EDB	ND	0.5	ug/L	12/09/2004 09:13	
Ethanol	ND	50	ug/L	12/09/2004 09:13	
Surrogates(s)					
1,2-Dichloroethane-d4	88.4	73-130	%	12/09/2004 09:13	
Toluene-d8	95.4	81-114	%	12/09/2004 09:13	

Gas/BTEX Fuel Oxygenates by 8260B

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Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2004/12/11-1B.62**

MB: 2004/12/11-1B.62-034 — Date Extracted: 12/11/2004 11:34

Compound	Conc.	RL	Unit	Analyzed	Flag
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	12/11/2004 11:34	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	12/11/2004 11:34	
Di-isopropyl Ether (DIPE)	ND	1.0	ug/L	12/11/2004 11:34	
Ethyl tert-butyl ether (ETBE)	ND	0.5	ug/L	12/11/2004 11:34	
tert-Amyl methyl ether (TAME)	ND	0.5	ug/L	12/11/2004 11:34	
1,2-DCA	ND	0.5	ug/L	12/11/2004 11:34	
EDB	ND	0.5	ug/L	12/11/2004 11:34	
Ethanol	ND	50	ug/L	12/11/2004 11:34	
Surrogates(s)					
1,2-Dichloroethane-d4	107.5	73-130	%	12/11/2004 11:34	
Toluene-d8	106.1	81-114	%	12/11/2004 11:34	

Gas/BTEX Fuel Oxygenates by 8260B

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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

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

Laboratory Control Spike | **Water** | **QC Batch # 2004/12/09-1B.64**

LCS 2004/12/09-1B.64-050 | Extracted: 12/09/2004 | Analyzed: 12/09/2004 08:50
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.2		25	96.8			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	441		500	88.2			73-130			
Toluene-d8	484		500	96.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/12/09-1E.64**

LCS 2004/12/09-1E.64-050 Extracted: 12/09/2004 Analyzed: 12/09/2004 08:50
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.2		25	96.8			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	441		500	88.2			73-130			
Toluene-d8	484		500	96.8			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2004/12/11-1B.62**

LCS 2004/12/11-1B.62-011 Extracted: 12/11/2004 Analyzed: 12/11/2004 11:11
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	24.4		25	97.6			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	530		500	106.0			73-130			
Toluene-d8	517		500	103.4			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/09-1B.64**

MS/MSD

Lab ID: 2004-12-0174 - 001

MS: 2004/12/09-1B.64-020 Extracted: 12/09/2004 Analyzed: 12/09/2004 10:20
Dilution: 1.00

MSD: 2004/12/09-1B.64-042 Extracted: 12/09/2004 Analyzed: 12/09/2004 10:42
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.3	25.1	ND	25	101.2	100.4	0.8	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	444	450		500	88.8	90.0		73-130			
Toluene-d8	489	466		500	97.8	93.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/09-1E.64**

MS/MSD

Lab ID: 2004-12-0174 - 001

MS: 2004/12/09-1E.64-020 Extracted: 12/09/2004 Analyzed: 12/09/2004 10:20
Dilution: 1.00

MSD: 2004/12/09-1E.64-042 Extracted: 12/09/2004 Analyzed: 12/09/2004 10:42
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	25.3	25.1	ND	25	101.2	100.4	0.8	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	444	450		500	88.8	90.0		73-130			
Toluene-d8	489	466		500	97.8	93.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/11-1B.62**

MS/MSD

Lab ID: 2004-12-0333 - 009

MS: 2004/12/11-1B.62-035 Extracted: 12/11/2004 Analyzed: 12/11/2004 13:54
Dilution: 1.00

MSD: 2004/12/11-1B.62-036 Extracted: 12/11/2004 Analyzed: 12/11/2004 14:16
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	35.6	38.0	ND	25	142.4	152.0	6.5	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	588	570		500	117.6	114.0		73-130			
Toluene-d8	543	531		500	108.6	106.2		81-114			

SEVERN TRENT STL

Submission: 2004-12-0180

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-3	12/02/2004 09:45	Water	1
MW-5	12/02/2004 10:00	Water	2
MW-10	12/02/2004 10:20	Water	3
MW-1	12/02/2004 10:34	Water	4
MW-2	12/02/2004 10:52	Water	5
MW-4	12/02/2004 11:06	Water	6
MW-6	12/02/2004 11:23	Water	7
MW-9D	12/02/2004 10:21	Water	8
MW-8D	12/02/2004 11:14	Water	9
MW-7D	12/02/2004 11:58	Water	10
MW-8S	12/02/2004 11:34	Water	11
MW-9S	12/02/2004 10:35	Water	12
MW-7	12/02/2004 11:54	Water	13

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-3**	Lab ID:	2004-12-0180 - 1
Sampled:	12/02/2004 09:45	Extracted:	12/15/2004 22:30
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/15/2004 22:30	
Benzene	ND	0.50	ug/L	1.00	12/15/2004 22:30	
Toluene	ND	0.50	ug/L	1.00	12/15/2004 22:30	
Ethyl benzene	ND	0.50	ug/L	1.00	12/15/2004 22:30	
Xylene(s)	ND	0.50	ug/L	1.00	12/15/2004 22:30	
MTBE	ND	5.0	ug/L	1.00	12/15/2004 22:30	
Surrogate(s)						
Trifluorotoluene	101.2	58-124	%	1.00	12/15/2004 22:30	
4-Bromofluorobenzene-FID	85.0	50-150	%	1.00	12/15/2004 22:30	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-5**	Lab ID:	2004-12-0180 - 2
Sampled:	12/02/2004 10:00	Extracted:	12/15/2004 23:02
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/15/2004 23:02	
Benzene	ND	0.50	ug/L	1.00	12/15/2004 23:02	
Toluene	ND	0.50	ug/L	1.00	12/15/2004 23:02	
Ethyl benzene	ND	0.50	ug/L	1.00	12/15/2004 23:02	
Xylene(s)	ND	0.50	ug/L	1.00	12/15/2004 23:02	
MTBE	ND	5.0	ug/L	1.00	12/15/2004 23:02	
Surrogate(s)						
Trifluorotoluene	101.7	58-124	%	1.00	12/15/2004 23:02	
4-Bromofluorobenzene-FID	84.6	50-150	%	1.00	12/15/2004 23:02	

Gas/BTEX Compounds by 8015M/8021

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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-10**	Lab ID:	2004-12-0180 - 3
Sampled:	12/02/2004 10:20	Extracted:	12/15/2004 23:35
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/15/2004 23:35	
Benzene	ND	0.50	ug/L	1.00	12/15/2004 23:35	
Toluene	ND	0.50	ug/L	1.00	12/15/2004 23:35	
Ethyl benzene	ND	0.50	ug/L	1.00	12/15/2004 23:35	
Xylene(s)	ND	0.50	ug/L	1.00	12/15/2004 23:35	
MTBE	ND	5.0	ug/L	1.00	12/15/2004 23:35	
Surrogate(s)						
Trifluorotoluene	102.9	58-124	%	1.00	12/15/2004 23:35	
4-Bromofluorobenzene-FID	84.2	50-150	%	1.00	12/15/2004 23:35	

Gas/BTEX Compounds by 8015M/8021

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Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-1**	Lab ID:	2004-12-0180 - 4
Sampled:	12/02/2004 10:34	Extracted:	12/16/2004 00:08
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 00:08	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 00:08	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 00:08	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 00:08	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 00:08	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 00:08	
Surrogate(s)						
Trifluorotoluene	102.4	58-124	%	1.00	12/16/2004 00:08	
4-Bromofluorobenzene-FID	84.0	50-150	%	1.00	12/16/2004 00:08	

Gas/BTEX Compounds by 8015M/8021

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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-2**	Lab ID:	2004-12-0180 - 5
Sampled:	12/02/2004 10:52	Extracted:	12/16/2004 00:41
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 00:41	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 00:41	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 00:41	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 00:41	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 00:41	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 00:41	
Surrogate(s)						
Trifluorotoluene	102.7	58-124	%	1.00	12/16/2004 00:41	
4-Bromofluorobenzene-FID	84.1	50-150	%	1.00	12/16/2004 00:41	

Gas/BTEX Compounds by 8015M/8021

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Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-4**	Lab ID:	2004-12-0180 - 6
Sampled:	12/02/2004 11:06	Extracted:	12/16/2004 01:13
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	290	50	ug/L	1.00	12/16/2004 01:13	Q1
Benzene	ND	0.50	ug/L	1.00	12/16/2004 01:13	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 01:13	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 01:13	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 01:13	
MTBE	13	5.0	ug/L	1.00	12/16/2004 01:13	
Surrogate(s)						
Trifluorotoluene	101.1	58-124	%	1.00	12/16/2004 01:13	
4-Bromofluorobenzene-FID	90.6	50-150	%	1.00	12/16/2004 01:13	

Gas/BTEX Compounds by 8015M/8021

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Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-6**	Lab ID:	2004-12-0180 - 7
Sampled:	12/02/2004 11:23	Extracted:	12/16/2004 01:46
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 01:46	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 01:46	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 01:46	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 01:46	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 01:46	
MTBE	14	5.0	ug/L	1.00	12/16/2004 01:46	
Surrogate(s)						
Trifluorotoluene	103.8	58-124	%	1.00	12/16/2004 01:46	
4-Bromofluorobenzene-FID	82.7	50-150	%	1.00	12/16/2004 01:46	

Gas/BTEX Compounds by 8015M/8021

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Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-9D**	Lab ID:	2004-12-0180 - 8
Sampled:	12/02/2004 10:21	Extracted:	12/16/2004 02:18
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 02:18	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 02:18	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 02:18	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 02:18	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 02:18	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 02:18	
Surrogate(s)						
Trifluorotoluene	100.1	58-124	%	1.00	12/16/2004 02:18	
4-Bromofluorobenzene-FID	85.3	50-150	%	1.00	12/16/2004 02:18	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-8D**	Lab ID:	2004-12-0180 - 9
Sampled:	12/02/2004 11:14	Extracted:	12/16/2004 02:51
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 02:51	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 02:51	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 02:51	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 02:51	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 02:51	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 02:51	
Surrogate(s)						
Trifluorotoluene	102.4	58-124	%	1.00	12/16/2004 02:51	
4-Bromofluorobenzene-FID	86.5	50-150	%	1.00	12/16/2004 02:51	

Gas/BTEX Compounds by 8015M/8021

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-7D**	Lab ID:	2004-12-0180 - 10
Sampled:	12/02/2004 11:58	Extracted:	12/16/2004 03:24
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 03:24	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 03:24	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 03:24	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 03:24	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 03:24	
MTBE	ND	5.0	ug/L	1.00	12/16/2004 03:24	
Surrogate(s)						
Trifluorotoluene	99.3	58-124	%	1.00	12/16/2004 03:24	
4-Bromofluorobenzene-FID	85.0	50-150	%	1.00	12/16/2004 03:24	

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
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21 Technology Drive
Irvine, CA 92718
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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-8S**	Lab ID:	2004-12-0180 - 11
Sampled:	12/02/2004 11:34	Extracted:	12/16/2004 05:02
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	12/16/2004 05:02	
Benzene	ND	0.50	ug/L	1.00	12/16/2004 05:02	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 05:02	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 05:02	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 05:02	
MTBE	15	5.0	ug/L	1.00	12/16/2004 05:02	
Surrogate(s)						
Trifluorotoluene	103.6	58-124	%	1.00	12/16/2004 05:02	
4-Bromofluorobenzene-FID	86.1	50-150	%	1.00	12/16/2004 05:02	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-9S**	Lab ID:	2004-12-0180 - 12
Sampled:	12/02/2004 10:35	Extracted:	12/16/2004 05:34
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	56	50	ug/L	1.00	12/16/2004 05:34	Q1
Benzene	ND	0.50	ug/L	1.00	12/16/2004 05:34	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 05:34	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 05:34	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 05:34	
MTBE	24	5.0	ug/L	1.00	12/16/2004 05:34	
Surrogate(s)						
Trifluorotoluene	104.1	58-124	%	1.00	12/16/2004 05:34	
4-Bromofluorobenzene-FID	85.6	50-150	%	1.00	12/16/2004 05:34	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-7**	Lab ID:	2004-12-0180 - 13
Sampled:	12/02/2004 11:54	Extracted:	12/16/2004 06:07
Matrix:	Water	QC Batch#:	2004/12/15-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	190	50	ug/L	1.00	12/16/2004 06:07	Q1
Benzene	ND	0.50	ug/L	1.00	12/16/2004 06:07	
Toluene	ND	0.50	ug/L	1.00	12/16/2004 06:07	
Ethyl benzene	ND	0.50	ug/L	1.00	12/16/2004 06:07	
Xylene(s)	ND	0.50	ug/L	1.00	12/16/2004 06:07	
MTBE	94	5.0	ug/L	1.00	12/16/2004 06:07	
Surrogate(s)						
Trifluorotoluene	104.4	58-124	%	1.00	12/16/2004 06:07	
4-Bromofluorobenzene-FID	88.7	50-150	%	1.00	12/16/2004 06:07	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030
5030

Test(s): 8015M
8021B

Method Blank **Water** **QC Batch # 2004/12/15-01.05**

MB: 2004/12/15-01.05-014

Date Extracted: 12/15/2004 15:59

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	12/15/2004 15:59	
Benzene	ND	0.5	ug/L	12/15/2004 15:59	
Toluene	ND	0.5	ug/L	12/15/2004 15:59	
Ethyl benzene	ND	0.5	ug/L	12/15/2004 15:59	
Xylene(s)	ND	0.5	ug/L	12/15/2004 15:59	
MTBE	ND	5.0	ug/L	12/15/2004 15:59	
Surrogates(s)					
Trifluorotoluene	96.6	58-124	%	12/15/2004 15:59	
4-Bromofluorobenzene-FID	82.5	50-150	%	12/15/2004 15:59	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8021B

Laboratory Control Spike **Water** **QC Batch # 2004/12/15-01.05**

LCS 2004/12/15-01.05-015 Extracted: 12/15/2004 Analyzed: 12/15/2004 16:31
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	52.2		50.0	104.4			77-123	20		
Toluene	52.2		50.0	104.4			78-122	20		
Ethyl benzene	51.2		50	102.4			70-130	20		
Xylene(s)	155		150	103.3			75-125	20		
Surrogates(s)										
Trifluorotoluene	499		500	99.8			58-124			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Laboratory Control Spike **Water** **QC Batch # 2004/12/15-01.05**

LCS 2004/12/15-01.05-016 Extracted: 12/15/2004 Analyzed: 12/15/2004 17:04
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Gasoline	304		250	121.6			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	435		500	87.0			50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
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Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8021B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/15-01.05**

MS/MSD Lab ID: 2004-12-0202 - 031

MS: 2004/12/15-01.05-019 Extracted: 12/15/2004 Analyzed: 12/15/2004 18:42
Dilution: 200.00

MSD: 2004/12/15-01.05-020 Extracted: 12/15/2004 Analyzed: 12/15/2004 19:14
Dilution: 200.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	9800	10400	8.64	10000	97.9	103.9	5.9	65-135	20		
Toluene	9580	10300	13.0	10000	95.7	102.9	7.3	65-135	20		
Ethyl benzene	9360	10000	7.54	10000	93.5	99.9	6.6	65-135	20		
Xylene(s)	29000	30700	31.4	30000	96.6	102.2	5.6	65-135	20		
Surrogate(s)											
Trifluorotoluene	484	495		500	96.8	99.1		58-124			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Batch QC Report

Prep(s): 5030 Test(s): 8015M

Matrix Spike (MS / MSD) **Water** **QC Batch # 2004/12/15-01.05**

MS/MSD Lab ID: 2004-12-0202 - 031

MS: 2004/12/15-01.05-022 Extracted: 12/15/2004 Analyzed: 12/15/2004 20:20
Dilution: 200.00

MSD: 2004/12/15-01.05-023 Extracted: 12/15/2004 Analyzed: 12/15/2004 20:52
Dilution: 200.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Gasoline	65000	70400	15000	50000	100.0	110.8	10.2	65-135	20		
Surrogate(s)											
4-Bromofluorobenzene-FID	421	432		500	84.2	86.4		50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001FA20
Conoco Phillips #11249

Received: 12/03/2004 15:15

Site: 1300 Farmers Lane, Santa Rosa

Legend and Notes

Result Flag

Q1

Quantit. of unknown hydrocarbon(s) in sample based on gasoline.

SEVERN TRENT STL

STL San Francisco

Sample Receipt Checklist

Submission #:2004- 12 - 0180

Checklist completed by: (initials) DSH Date: 12 / 05 /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° C ± 2)? Temp 2 °C Yes ✓ No____

Potential reason for > 6°C: Ice melted ☐ Ice in bags ☐ Not enough ice ☐ Not enough blue ice ☐ Samples in boxes ☐

Sampled < 4hr. ago? ☐ Ice not required (e.g. air or bulk sample) ☐

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): _____

ConocoPhillips Chain Of Custody Record

96278

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

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

2004-12-0180

ConocoPhillips Work Order Number: 2389 TRC 500

ConocoPhillips Cost Object:

DATE: 12-2-04

PAGE: 1 of 2

SAMPLING COMPANY: TRC	Valid Value ID:
CONOCOPHILLIPS SITE NUMBER: 11249	GLOBAL ID NO.: 70609700575
ADDRESS: 21 Technology Drive, Irvine CA 92618	SITE ADDRESS (Street and City): 1300 FARMERS LANE SANTA ROSA
CONOCOPHILLIPS SITE MANAGER: LIZ SEWELL	
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): AMA	CONSULTANT PROJECT NUMBER: 41050001/FA20

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 NOTES: Container/Preservative or PID Readings or Laboratory Notes

2°C

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

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	8 OXYS by 8260B									TEMPERATURE ON RECEIPT C°
	MW-3	12-02-04	0945	G.W	9									X	X	X									3 VOAs w/ HCL
	MW-5		1000																						
	MW-10		1020																						
	MW-1		1024																						
	MW-2		1052																						
	MW-4		1106																						
	MW-6		1123																						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	REFRIGERATED	12-2-04	15:40
[signature]	[signature]	12-03-04	0945
[signature]	Denise Harrington / STL-SF	12-03-04	1515

9/19/03 Revision

ConocoPhillips Chain Of Custody Record

96278

STL-San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

ML

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

2004-12-0180

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

ConocoPhillips Work Order Number: 2389 TRC 500

ConocoPhillips Cost Object:

DATE: 12-2-04

PAGE: 2 of 2

SAMPLING COMPANY: TRC	Valid Value ID:
CONOCOPHILLIPS SITE NUMBER: 11249	GLOBAL ID NO.: T0609700575
ADDRESS: 21 Technology Drive, Irvine CA 92618	SITE ADDRESS (Street and City): 1300 Farmers LN Santa Rosa
CONOCOPHILLIPS SITE MANAGER: Liz Sewell	
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:
LAB USE ONLY	
TELEPHONE: 949-341-7440	FAX: 949-753-0111
E-MAIL: afarfan@trcsolutions.com	
SAMPLER NAME(S) (Print): Travis Vandevoir	CONSULTANT PROJECT NUMBER: 41050001/FA20

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 ☑

REQUESTED ANALYSES

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

* 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	8 oxys by 8260B									TEMPERATURE ON RECEIPT C°
	MW-9D	12-2	1021	GW	9									X	X	X									
	MW-8D		1114																						
	MW-7D		1158																						
	MW-8S		1134																						
	MW-9S		1035																						
	MW-7		1154																						

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Refrigerator	12-2-04	15:40
[signature]	[signature]	12-03-04	0945
[signature]	Denise Harrington / STL-SF	12-03-04	1515

9/19/03 Revision

STATEMENTS

Purge Water 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.