TRC

Customer-Focused Solutions

June 3, 2005

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

ATTN: MR. THOMAS POTTER

SITE: FORMER CIRCLE K STORE 01106
1693 CENTRAL AVENUE
MCKINLEYVILLE, CALIFORNIA
LOP # 12698

RE: QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2005

This Quarterly Monitoring Report for Former Circle K Store 01106 is being sent to you for your review and comment. If no comments are received by **June 10, 2005** copies of this report will be sent to you for distribution.

Please send all comments to me at vtobon@trcsolutions.com. If you have any questions regarding this report, please call me at (949) 753-0101.

Sincerely,

TRC

Valentina Tobon
Technical Writer

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

TRC
Customer-Focused Solutions

June 3, 2005

ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. THOMAS H. KOSEL

SITE: FORMER CIRCLE K STORE 01106
1693 CENTRAL AVENUE
MCKINLEYVILLE, CALIFORNIA
LOP # 12698

RE: QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2005

Dear Mr. Kosel:

Please find enclosed our Quarterly Monitoring Report for Former Circle K Store 01106, located at 1693 Central Avenue, McKinleyville, California. If you have any questions regarding this report, please call us at (949) 753-0101.

Sincerely,

TRC

for
Anju Farfan
QMS Operations Manager

CC: Thomas Potter, SECOR International, Inc. (2 copies)

Enclosures
20-0400/01106R07.QMS

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

TRC

Customer-Focused Solutions

QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2005

FORMER CIRCLE K STORE 01106
1693 Central Avenue
McKinleyville, California
LOP # 12698

Prepared For:

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

By:

CERTIFIED ENGINEERING GEOLOGIST
DENNIS E. JENSEN
No EG 1084
Exp. 4/07
STATE OF CALIFORNIA

Senior Project Geologist, Irvine Operations
June 2, 2005

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

LIST OF ATTACHMENTS	
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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 Benzene Concentrations vs. Time MTBE 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
April 2005 through June 2005
Former Circle K Store 01106
1693 Central Avenue
McKinleyville, CA

Project Coordinator: **Thomas H. Kosel**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Valentina Tobon**
Date(s) of Gauging/Sampling Event: **05/04/05**

Sample Points

Groundwater wells: **5** onsite, **4** offsite Wells gauged: **9** Wells sampled: **7**
Purging method: **Diaphragm 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: **4.02 feet** Maximum: **8.9 feet**
Average groundwater elevation (relative to available local datum): **144.03 feet**
Average change in groundwater elevation since previous event: **0.38 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.02 ft/ft, northwest**
Previous event: **0.02 to 0.1 ft/ft, northwest (02/01/05)**

Selected Laboratory Results

Wells with detected **Benzene:** **1** Wells above MCL (1.0 µg/l): **1**
Maximum reported benzene concentration: **27 µg/l (MW-2)**

Wells with **TPH-G** **1** Maximum: **110 µg/l (MW-2)**
Wells with **MTBE** **3** Maximum: **26 µg/l (MW-2)**

Notes:

MW-4=Sampled semi-annually, MW-8=Sampled semi-annually,

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.

REFERENCE

TRC began groundwater monitoring and sampling for Circle K Store 01106 in October 2003. Historical data compiled prior to that time was provided by Gettler-Ryan, Inc.

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
May 4, 2005
Former Circle K Store 01106

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														
05/04/05	149.55	6.29	0.00	143.26	-0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-2														
05/04/05	150.14	5.80	0.00	144.34	-1.50	110	--	27	6.5	0.65	7.7	--	26	
MW-3														
05/04/05	150.54	4.02	0.00	146.52	2.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-4														
05/04/05	150.66	4.75	0.00	145.91	0.30	--	--	--	--	--	--	--	--	Sampled semi-annually
MW-5														
05/04/05	150.16	5.90	0.00	144.26	0.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-6														
05/04/05	150.45	4.90	0.00	145.55	0.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1.1	--	4.6	
MW-7														
05/04/05	149.62	7.32	0.00	142.30	0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.54	
MW-8														
05/04/05	150.49	8.90	0.00	141.59	2.00	--	--	--	--	--	--	--	--	Sampled semi-annually
MW-9														
05/04/05	149.97	7.41	0.00	142.56	0.25	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

February 2000 Through May 2005

Former Circle K Store 01106

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														
02/16/00	149.55	4.68	0.00	144.87	--	ND	--	ND	ND	ND	ND	290	190	
06/29/00	149.55	7.22	0.00	142.33	-2.54	ND	--	6.4	ND	ND	ND	150	220	
09/18/00	149.55	9.60	0.00	139.95	-2.38	ND	--	ND	ND	ND	ND	120	96	
12/14/00	149.55	9.22	0.00	140.33	0.38	ND	--	3	ND	ND	ND	72	66	
03/07/01	149.55	6.61	0.00	142.94	2.61	ND	--	ND	ND	ND	ND	82.4	67	
06/05/01	149.55	9.18	0.00	140.37	-2.57	ND	--	ND	ND	ND	ND	7.6	3.3	
09/11/01	149.55	12.18	0.00	137.37	-3.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	46	69	
12/11/01	149.55	6.44	0.00	143.11	5.74	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	41	48	
03/12/02	149.55	4.45	0.00	145.10	1.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	5.1	
06/17/02	149.55	7.48	0.00	142.07	-3.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/10/02	149.55	10.98	0.00	138.57	-3.50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.6	
12/10/02	149.55	12.78	0.00	136.77	-1.80	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/11/03	149.55	4.76	0.00	144.79	8.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	149.55	5.77	0.00	143.78	-1.01	ND<50	--	0.55	0.58	ND<0.50	ND<0.50	6.4	ND<2.0	
09/10/03	149.55	9.53	0.00	140.02	-3.76	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/09/03	149.55	7.37	0.00	142.18	2.16	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/17/04	149.55	4.60	0.00	144.95	2.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	4.9	
06/02/04	149.55	5.74	0.00	143.81	-1.14	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	2.0	
08/03/04	149.55	8.16	0.00	141.39	-2.42	ND<50	--	ND<0.3	0.54	0.47	1.6	1.3	ND<0.5	
11/09/04	149.55	8.48	0.00	141.07	-0.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/01/05	149.55	6.10	0.00	143.45	2.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
05/04/05	149.55	6.29	0.00	143.26	-0.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-2														
02/16/00	150.14	5.32	0.00	144.82	--	6000	--	1500	32	98	2500	22000	19000	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through May 2005
Former Circle K Store 01106

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														
06/29/00	150.14	8.63	0.00	141.51	-3.31	3100	--	1200	350	26	760	3900	5200	
09/18/00	150.14	10.66	0.00	139.48	-2.03	900	--	460	2.6	ND	14	4000	3100	
12/14/00	150.14	11.25	0.00	138.89	-0.59	730	--	270	ND	ND	ND	3400	3500	
03/07/01	150.14	7.44	0.00	142.70	3.81	6040	--	637	116	87.2	439	7610	8700	
06/05/01	150.14	10.04	0.00	140.10	-2.60	2700	--	140	74	ND	37	8700	7500	
09/11/01	150.14	13.52	0.00	136.62	-3.48	ND<500	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	1900	2400	
12/11/01	150.14	6.50	0.00	143.64	7.02	640	--	310	18	15	35	6800	4900	
03/12/02	150.14	3.13	0.00	147.01	3.37	240	--	48	1.1	ND<0.50	6.2	480	560	
06/17/02	150.14	8.62	0.00	141.52	-5.49	970	--	390	140	5.8	180	1800	2400	
09/10/02	150.14	12.45	0.00	137.69	-3.83	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	2000	
12/10/02	150.14	13.93	0.00	136.21	-1.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	21	
03/11/03	150.14	3.84	0.00	146.30	10.09	ND<50	--	3.2	0.85	ND<0.50	2.7	19	6.5	
06/10/03	150.14	5.95	0.00	144.19	-2.11	1200	--	310	84	25	180	1100	500	
09/10/03	150.14	9.92	0.00	140.22	-3.97	--	1300	260	17	18	34	--	1900	
12/10/03	150.14	7.38	0.00	142.76	2.54	2000	--	110	ND<13	ND<13	ND<13	1200	1700	
03/17/04	150.14	3.28	0.00	146.86	4.10	120	--	6.5	ND<0.50	ND<0.50	ND<0.50	150	150	
06/02/04	150.14	6.36	0.00	143.78	-3.08	430	--	20	7.9	ND<2.5	10	370	380	
08/03/04	150.14	8.83	0.00	141.31	-2.47	160	--	0.34	0.50	ND<0.3	0.66	160	210	
11/09/04	150.14	9.85	0.00	140.29	-1.02	86	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	130	
02/01/05	150.14	4.30	0.00	145.84	5.55	990	--	180	58	17	70	--	200	
05/04/05	150.14	5.80	0.00	144.34	-1.50	110	--	27	6.5	0.65	7.7	--	26	
MW-3														
02/16/00	150.54	4.83	0.00	145.71	--	ND	--	ND	ND	ND	ND	5.2	3.1	
06/29/00	150.54	7.83	0.00	142.71	-3.00	ND	--	ND	ND	ND	ND	7.9	7.1	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 2000 Through May 2005

Former Circle K Store 01106

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														
09/18/00	150.54	10.73	0.00	139.81	-2.90	ND	--	ND	ND	ND	ND	65	37	
12/14/00	150.54	10.30	0.00	140.24	0.43	ND	--	5	ND	ND	ND	89	78	
03/07/01	150.54	6.55	0.00	143.99	3.75	ND	--	ND	ND	ND	ND	14.7	29	
06/05/01	150.54	9.38	0.00	141.16	-2.83	ND	--	ND	ND	ND	ND	10	15	
09/11/01	150.54	13.08	0.00	137.46	-3.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	33	75	
12/11/01	150.54	4.66	0.00	145.88	8.42	ND<50	--	0.67	ND<0.50	ND<0.50	ND<0.50	120	110	
03/12/02	150.54	2.39	0.00	148.15	2.27	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	19	18	
06/17/02	150.54	7.61	0.00	142.93	-5.22	ND<50	--	0.50	ND<0.50	ND<0.50	ND<0.50	32	21	
09/10/02	150.54	11.90	0.00	138.64	-4.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	53	70	
12/10/02	150.54	12.74	0.00	137.80	-0.84	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.6	6.5	
03/11/03	150.54	3.74	0.00	146.80	9.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	150.54	5.35	0.00	145.19	-1.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/10/03	150.54	9.67	0.00	140.87	-4.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	13	
12/09/03	150.54	6.91	0.00	143.63	2.76	64	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	62	77	
03/17/04	150.54	3.00	0.00	147.54	3.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	150.54	5.72	0.00	144.82	-2.72	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.7	7.7	
08/03/04	150.54	3.19	0.00	147.35	2.53	81	--	ND<0.3	ND<0.3	0.37	0.83	8.6	13	
11/09/04	150.54	8.22	0.00	142.32	-5.03	52	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	41	
02/01/05	150.54	6.27	0.00	144.27	1.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
05/04/05	150.54	4.02	0.00	146.52	2.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-4														
02/16/00	150.66	4.24	0.00	146.42	--	ND	--	ND	ND	ND	ND	13	8.7	
06/29/00	150.66	7.15	0.00	143.51	-2.91	ND	--	ND	ND	ND	ND	7.3	7	
09/18/00	150.66	9.90	0.00	140.76	-2.75	ND	--	ND	ND	ND	ND	25	18	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 2000 Through May 2005

Former Circle K Store 01106

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														
12/14/00	150.66	9.09	0.00	141.57	0.81	ND	--	ND	ND	ND	ND	ND	9.6	
03/07/01	150.66	6.45	0.00	144.21	2.64	ND	--	ND	ND	ND	ND	8.61	9.0	
06/05/01	150.66	9.09	0.00	141.57	-2.64	ND	--	ND	ND	ND	ND	ND	ND	
09/11/01	150.66	12.05	0.00	138.61	-2.96	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	18	26	
12/11/01	150.66	5.73	0.00	144.93	6.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.8	5.3	
03/12/02	150.66	3.96	0.00	146.70	1.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.8	12	
06/17/02	150.66	7.51	0.00	143.15	-3.55	--	--	--	--	--	--	--	--	Sampled semi-annually
09/10/02	150.66	11.08	0.00	139.58	-3.57	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.3	6.2	
12/10/02	150.66	12.01	0.00	138.65	-0.93	--	--	--	--	--	--	--	--	Sampled semi-annually
03/11/03	150.66	4.59	0.00	146.07	7.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	150.66	--	--	--	--	--	--	--	--	--	--	--	--	Sampled semi-annually
09/10/03	150.66	9.56	0.00	141.10	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/09/03	150.66	7.40	0.00	143.26	2.16	--	--	--	--	--	--	--	--	Monitored Only
03/17/04	150.66	3.82	0.00	146.84	3.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	150.66	5.97	0.00	144.69	-2.15	--	--	--	--	--	--	--	--	Monitored Only
08/03/04	150.66	8.56	0.00	142.10	-2.59	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
11/09/04	150.66	8.14	0.00	142.52	0.42	--	--	--	--	--	--	--	--	Sampled semi-annually
02/01/05	150.66	5.05	0.00	145.61	3.09	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
05/04/05	150.66	4.75	0.00	145.91	0.30	--	--	--	--	--	--	--	--	Sampled semi-annually
MW-5														
12/14/00	150.16	11.11	0.00	139.05	--	ND	--	2.4	ND	ND	ND	40	49	
03/07/01	150.16	8.50	0.00	141.66	2.61	ND	--	ND	ND	ND	ND	15.7	15	
06/05/01	150.16	10.78	0.00	139.38	-2.28	ND	--	ND	ND	ND	ND	ND	ND	
09/11/01	150.16	13.24	0.00	136.92	-2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	38	52	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through May 2005
Former Circle K Store 01106

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (µg/l)	TPPH 8260B (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE 8021B (µg/l)	MTBE 8260B (µg/l)	Comments
MW-5 continued														
12/11/01	150.16	8.63	0.00	141.53	4.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	15	6.6	
03/12/02	150.16	6.25	0.00	143.91	2.38	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	3.5	3.2	
06/17/02	150.16	8.86	0.00	141.30	-2.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
09/10/02	150.16	11.85	0.00	138.31	-2.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<0.50	
12/10/02	150.16	13.43	0.00	136.73	-1.58	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/11/03	150.16	6.01	0.00	144.15	7.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	150.16	6.54	0.00	143.62	-0.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/10/03	150.16	10.47	0.00	139.69	-3.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/09/03	150.16	3.49	0.00	146.67	6.98	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/17/04	150.16	4.38	0.00	145.78	-0.89	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	150.16	6.75	0.00	143.41	-2.37	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<0.50	
08/03/04	150.16	9.21	0.00	140.95	-2.46	ND<50	--	ND<0.3	ND<0.3	ND<0.3	0.77	ND<1	ND<0.5	
11/09/04	150.16	10.00	0.00	140.16	-0.79	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/01/05	150.16	6.19	0.00	143.97	3.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
05/04/05	150.16	5.90	0.00	144.26	0.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
MW-6														
12/14/00	150.45	10.54	0.00	139.91	--	110	--	44	ND	ND	ND	760	1100	
03/07/01	150.45	6.76	0.00	143.69	3.78	62.5	--	ND	ND	ND	ND	498	550	
06/05/01	150.45	9.94	0.00	140.51	-3.18	110	--	ND	ND	ND	ND	790	680	
09/11/01	150.45	12.75	0.00	137.70	-2.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	410	590	
12/11/01	150.45	6.29	0.00	144.16	6.46	ND<50	--	11	ND<0.50	ND<0.50	ND<0.50	400	390	
03/12/02	150.45	4.18	0.00	146.27	2.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	150	
06/17/02	150.45	7.30	0.00	143.15	-3.12	ND<50	--	2.6	ND<0.50	ND<0.50	ND<0.50	100	120	
09/10/02	150.45	11.62	0.00	138.83	-4.32	96	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	150	190	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 2000 Through May 2005

Former Circle K Store 01106

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														
12/10/02	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/11/03	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
06/10/03	150.45	5.70	0.00	144.75	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	82	46	
09/10/03	150.45	9.36	0.00	141.09	-3.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	50	
12/09/03	150.45	7.06	0.00	143.39	2.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	28	33	
03/17/04	150.45	4.05	0.00	146.40	3.01	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	12	13	
06/02/04	150.45	5.50	0.00	144.95	-1.45	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	14	15	
08/03/04	150.45	8.01	0.00	142.44	-2.51	ND<50	--	ND<0.3	0.55	ND<0.3	1.2	22	21	
11/09/04	150.45	7.91	0.00	142.54	0.10	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	36	
02/01/05	150.45	4.94	0.00	145.51	2.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	13	
05/04/05	150.45	4.90	0.00	145.55	0.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	1.1	--	4.6	
MW-7														
12/14/00	149.62	12.05	0.00	137.57	--	ND	--	ND	ND	ND	ND	10	9	
03/07/01	149.62	9.30	0.00	140.32	2.75	ND	--	ND	ND	ND	ND	6.35	12	
06/05/01	149.62	11.78	0.00	137.84	-2.48	ND	--	ND	ND	ND	ND	9.5	6.7	
09/11/01	149.62	13.90	0.00	135.72	-2.12	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.8	10	
12/11/01	149.62	9.56	0.00	140.06	4.34	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	9.8	
03/12/02	149.62	7.24	0.00	142.38	2.32	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.2	4.9	
06/17/02	149.62	10.30	0.00	139.32	-3.06	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.1	4.3	
09/10/02	149.62	12.89	0.00	136.73	-2.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	5.6	5.1	
12/10/02	149.62	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/11/03	149.62	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
06/10/03	149.62	8.27	0.00	141.35	--	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/10/03	149.62	11.85	0.00	137.77	-3.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.1	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 2000 Through May 2005

Former Circle K Store 01106

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														
12/10/03	149.62	9.94	0.00	139.68	1.91	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.6	
03/17/04	149.62	8.33	0.00	141.29	1.61	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	149.62	10.14	0.00	139.48	-1.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.8	
08/03/04	149.62	12.53	0.00	137.09	-2.39	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
11/09/04	149.62	11.05	0.00	138.57	1.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.8	
02/01/05	149.62	7.34	0.00	142.28	3.71	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.62	
05/04/05	149.62	7.32	0.00	142.30	0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.54	
MW-8														
12/14/00	150.49	12.83	0.00	137.66	--	ND	--	ND	ND	ND	ND	ND	ND	
03/07/01	150.49	9.88	0.00	140.61	2.95	ND	--	ND	ND	ND	ND	ND	ND	
06/05/01	150.49	12.57	0.00	137.92	-2.69	ND	--	ND	ND	ND	ND	ND	ND	
09/11/01	150.49	14.61	0.00	135.88	-2.04	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
12/11/01	150.49	9.80	0.00	140.69	4.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
03/12/02	150.49	7.34	0.00	143.15	2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	ND<2.0	
06/17/02	150.49	11.15	0.00	139.34	-3.81	--	--	--	--	--	--	--	--	Sampled semi-annually
09/10/02	150.49	13.75	0.00	136.74	-2.60	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	1.2	
12/10/02	150.49	14.93	0.00	135.56	-1.18	--	--	--	--	--	--	--	--	Sampled semi-annually
03/11/03	150.49	7.96	0.00	142.53	6.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	150.49	--	--	--	--	--	--	--	--	--	--	--	--	Sampled semi-annually
09/10/03	150.49	12.70	0.00	137.79	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
12/09/03	150.49	8.56	0.00	141.93	4.14	--	--	--	--	--	--	--	--	Monitored Only
03/17/04	150.49	9.23	0.00	141.26	-0.67	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	4.7	
06/02/04	150.49	12.02	0.00	138.47	-2.79	--	--	--	--	--	--	--	--	Monitored Only
08/03/04	150.49	14.65	0.00	135.84	-2.63	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	0.62	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 2000 Through May 2005

Former Circle K Store 01106

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-8 continued														
11/09/04	150.49	14.13	0.00	136.36	0.52	--	--	--	--	--	--	--	--	Sampled semi-annually
02/01/05	150.49	10.90	0.00	139.59	3.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3.9	
05/04/05	150.49	8.90	0.00	141.59	2.00	--	--	--	--	--	--	--	--	Sampled semi-annually
MW-9														
12/14/00	149.97	11.60	0.00	138.37	--	ND	--	ND	ND	ND	ND	ND	3.1	
03/07/01	149.97	8.71	0.00	141.26	2.89	ND	--	ND	ND	ND	ND	6.22	4.4	
06/05/01	149.97	11.32	0.00	138.65	-2.61	ND	--	ND	ND	ND	ND	8.8	7.9	
09/11/01	149.97	13.29	0.00	136.68	-1.97	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.0	10	
12/11/01	149.97	9.10	0.00	140.87	4.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.1	6.6	
03/12/02	149.97	6.35	0.00	143.62	2.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.88	5.0	5.7	
06/17/02	149.97	9.75	0.00	140.22	-3.40	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	6.9	8.1	
09/10/02	149.97	12.40	0.00	137.57	-2.65	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	8.4	9.2	
12/10/02	149.97	13.63	0.00	136.34	-1.23	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
03/11/03	149.97	6.75	0.00	143.22	6.88	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
06/10/03	149.97	7.93	0.00	142.04	-1.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	
09/10/03	149.97	11.35	0.00	138.62	-3.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.5	
12/09/03	149.97	9.15	0.00	140.82	2.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
03/17/04	149.97	6.90	0.00	143.07	2.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
06/02/04	149.97	9.60	0.00	140.37	-2.70	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	0.77	
08/03/04	149.97	7.10	0.00	142.87	2.50	ND<50	--	ND<0.3	ND<0.3	ND<0.3	ND<0.6	ND<1	ND<0.5	
11/09/04	149.97	11.85	0.00	138.12	-4.75	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.96	
02/01/05	149.97	7.66	0.00	142.31	4.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
05/04/05	149.97	7.41	0.00	142.56	0.25	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Methanol 8015B	Fe+2	Methane	COD
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/ml)	(mg/l)
MW-1															
02/16/00	ND	ND	--	--	--	--	--	32	ND	ND	ND	ND	--	--	--
06/29/00	ND	ND	--	--	--	--	--	39	ND	ND	ND	ND	--	--	--
09/18/00	ND	ND	--	--	--	--	--	14	ND	ND	ND	ND	--	--	--
12/14/00	ND	ND	--	--	--	--	--	9.3	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	11	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	9.2	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	7.6	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	0.120	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.009	52	0.28	24	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.010	ND<0.005
12/09/03	ND<2.0	ND<2.0	34	9.3	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	ND<0.20	--	ND<5.0
03/17/04	ND<2.0	ND<2.0	31	10	--	--	35	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	32	12	--	--	49	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5
08/03/04	ND<0.5	ND<0.5	29.9	7.9	54000	--	--	ND<1	ND<12	ND<1	ND<1	--	1.7	ND<0.001	32
11/09/04	--	--	28	--	--	--	19	--	--	--	--	--	ND<0.010	ND<0.010	5.7
02/01/05	--	--	33	12	--	--	57	--	--	--	--	--	0.095	ND<0.001	ND<5.0
05/04/05	--	--	33	9.7	--	--	51	--	--	--	--	--	0.078	ND<0.1	9.0
MW-2															
02/16/00	ND	ND	--	--	--	--	--	5200	ND	ND	ND	ND	--	--	--
06/29/00	ND	ND	--	--	--	--	--	1300	ND	ND	ND	ND	--	--	--
09/18/00	ND	ND	--	--	--	--	--	770	ND	ND	ND	ND	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Methanol 8015B	Fe+2	Methane	COD
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/ml)	(mg/l)
MW-2 continued															
12/14/00	ND	ND	--	--	--	--	--	850	260	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	2400	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	2100	ND	ND	ND	ND	--	--	--
09/11/01	ND<20	ND<20	--	--	--	--	--	500	ND<200	ND<20	ND<20	ND<0.500	--	--	--
12/11/01	ND<40	ND<40	--	--	--	--	--	1300	ND<400	ND<40	ND<40	ND<0.500	--	--	--
03/12/02	ND<200	ND<200	--	--	--	--	--	ND<200	ND<10000	ND<200	ND<200	ND<0.100	--	--	--
06/17/02	ND<20	ND<20	--	--	--	--	--	490	ND<200	ND<20	ND<20	0.31	--	--	--
09/10/02	ND<50	ND<50	--	--	--	--	--	320	ND<500	ND<50	ND<50	ND<0.500	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	110	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<40	ND<40	--	0.0059	59	ND<0.2	28	420	ND<2000	ND<40	ND<40	ND<0.01	--	ND<0.010	0.65
12/10/03	ND<20	ND<20	9.9	8.5	--	--	--	370	ND<1000	ND<20	ND<20	88.2	ND<0.20	--	19
03/17/04	ND<2.0	ND<2.0	25	16	--	--	38	32	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<2.5	ND<2.5	14	9.6	--	--	46	61	32	ND<5.0	ND<2.5	ND<0.50	ND<0.20	ND<0.010	ND<5
08/03/04	ND<0.5	ND<0.5	8.56	7.7	87000	--	--	18	36	ND<1	ND<1	--	1.7	ND<0.001	ND<20
11/09/04	--	--	45	--	--	--	24	--	--	--	--	--	ND<0.010	ND<0.010	15
02/01/05	--	--	18	11	--	--	73	--	--	--	--	--	0.027	ND<0.001	ND<5.0
05/04/05	--	--	21	12	--	--	39	--	--	--	--	--	ND<0.050	ND<0.1	13
MW-3															
02/16/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/29/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/18/00	ND	ND	--	--	--	--	--	6.2	ND	ND	ND	ND	--	--	--
12/14/00	ND	ND	--	--	--	--	--	15	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	5.4	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	2.8	ND	ND	ND	ND	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Methanol 8015B	Fe+2	Methane	COD
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/ml)	(mg/l)
MW-3 continued															
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	8.6	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	23	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	3.6	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	6.1	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	13	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	0.130	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.0079	26	5.4	26	2.3	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.010	0.05
12/09/03	ND<2.0	ND<2.0	47	7.1	--	--	--	15	ND<100	ND<2.0	ND<2.0	ND<10	ND<0.20	--	13
03/17/04	ND<2.0	ND<2.0	68	20	--	--	87	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	47	8.4	--	--	88	1.4	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5
08/03/04	ND<0.5	ND<0.5	37.7	5.2	43000	--	--	1.8	ND<12	ND<1	ND<1	--	0.34	ND<0.001	50
11/09/04	--	--	3.8	--	--	--	26	--	--	--	--	--	ND<0.010	ND<0.010	ND<5.0
02/01/05	--	--	65	20	--	--	120	--	--	--	--	--	0.068	ND<0.001	10
05/04/05	--	--	51	19	--	--	120	--	--	--	--	--	ND<0.050	ND<0.1	11
MW-4															
02/16/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/29/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/18/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
12/14/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	3.2	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Methanol 8015B	Fe+2	Methane	COD
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/ml)	(mg/l)
MW-4 continued															
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	0.72	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.005	36	9.7	28	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.010	0.048
03/17/04	ND<2.0	ND<2.0	70	4.9	--	--	80	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
08/03/04	ND<0.5	ND<0.5	69.0	4.4	39000	--	--	ND<1	ND<12	ND<1	ND<1	--	2.2	ND<0.001	25
02/01/05	--	--	64	5.5	--	--	120	--	--	--	--	--	0.077	ND<0.001	ND<5.0
MW-5															
12/14/00	ND	ND	--	--	--	--	--	10	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	2.7	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	6.9	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.0088	26	13	20	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.010	0.029
12/09/03	ND<2.0	ND<2.0	30	7.3	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	ND<0.20	--	ND<5.0
03/17/04	ND<2.0	ND<2.0	19	8.6	--	--	39	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	25	7.9	--	--	55	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5
08/03/04	ND<0.5	ND<0.5	32.1	7.2	64000	--	--	ND<1	ND<12	ND<1	ND<1	--	5	ND<0.001	36
11/09/04	--	--	29	--	--	--	23	--	--	--	--	--	ND<0.010	ND<0.010	ND<5.0
02/01/05	--	--	24	9.5	--	--	37	--	--	--	--	--	0.10	ND<0.001	ND<5.0
05/04/05	--	--	22	7.9	--	--	28	--	--	--	--	--	0.064	ND<0.1	5.3

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Methanol 8015B	Fe+2	Methane	COD
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/ml)	(mg/l)
MW-6															
12/14/00	ND	ND	--	--	--	--	--	180	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	93	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	120	ND	ND	ND	ND	--	--	--
09/11/01	ND<10	ND<10	--	--	--	--	--	100	ND<100	ND<10	ND<10	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	69	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<20	ND<20	--	--	--	--	--	27	ND<1000	ND<20	ND<20	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	21	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	30	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	7.5	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.024	100	0.41	25	8.4	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.010	0.015
12/09/03	ND<2.0	ND<2.0	ND<1.0	31	--	--	--	6.3	ND<100	ND<2.0	ND<2.0	ND<10	ND<0.20	--	8.2
03/17/04	ND<2.0	ND<2.0	2.4	34	--	--	72	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	14	34	--	--	140	2.1	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	13
08/03/04	ND<0.5	ND<0.5	47.1	6.6	36000	--	--	2.9	ND<12	ND<1	ND<1	--	1.8	ND<0.001	48
11/09/04	--	--	1.2	--	--	--	29	--	--	--	--	--	ND<0.010	ND<0.010	7.2
02/01/05	--	--	ND<1.0	35	--	--	150	--	--	--	--	--	0.81	ND<0.001	10
05/04/05	--	--	3.8	31	--	--	140	--	--	--	--	--	1.3	ND<0.1	27
MW-7															
12/14/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Methanol 8015B	Fe+2	Methane	COD
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/ml)	(mg/l)
MW-7 continued															
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.025	100	8.1	33	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.010	0.029
12/10/03	ND<2.0	ND<2.0	ND<1.0	28	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	0.0846	1.9	--	29
03/17/04	ND<2.0	ND<2.0	ND<1.0	24	--	--	110	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	2.0	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	ND<1	110	--	--	100	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5
08/03/04	ND<0.5	ND<0.5	24.6	8.7	85000	--	--	ND<1	ND<12	ND<1	ND<1	--	2.1	ND<0.001	54
11/09/04	--	--	ND<1.0	270	--	--	21	--	--	--	--	--	ND<0.010	ND<0.010	18
02/01/05	--	--	1.4	150	--	--	120	--	--	--	--	--	0.30	ND<0.001	12
05/04/05	--	--	1.1	86	--	--	110	--	--	--	--	--	0.50	ND<0.1	9.5
MW-8															
12/14/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	ND<0.50	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.017	57	2.3	23	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.010	0.03
03/17/04	ND<2.0	ND<2.0	6.1	16	--	--	49	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
08/03/04	ND<0.5	ND<0.5	2.7	22	31000	--	--	ND<1	ND<12	ND<1	ND<1	--	23	ND<0.001	66
02/01/05	--	--	6.6	20	--	--	92	--	--	--	--	--	0.051	ND<0.001	8.0
MW-9															
12/14/00	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
03/07/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--
06/05/01	ND	ND	--	--	--	--	--	ND	ND	ND	ND	ND	--	--	--

Table 3
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	EDC	EDB	NO3	Sulfate	Alka-linity	Iron	Carbon-Dioxide	TAME 8260B	TBA 8260B	DIPE 8260B	ETBE 8260B	Methanol 8015B	Fe+2	Methane	COD
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/ml)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/ml)	(mg/l)
MW-9 continued															
09/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
12/11/01	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<0.500	--	--	--
03/12/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
06/17/02	ND<2.0	ND<2.0	--	--	--	--	--	3.1	ND<20	ND<2.0	ND<2.0	0.16	--	--	--
09/10/02	ND<0.50	ND<0.50	--	--	--	--	--	1.0	ND<5.0	ND<0.50	ND<0.50	ND<0.500	--	--	--
12/10/02	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.100	--	--	--
03/11/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
06/10/03	ND<2.0	ND<2.0	--	--	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.500	--	--	--
09/10/03	ND<2.0	ND<2.0	--	0.025	78	9.5	26	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.01	--	ND<0.010	0.021
12/09/03	ND<2.0	ND<2.0	10	26	--	--	--	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<10	ND<0.20	--	--
03/17/04	ND<2.0	ND<2.0	18	25	--	--	79	ND<2.0	ND<100	ND<2.0	ND<2.0	ND<0.50	ND<0.20	ND<0.010	--
06/02/04	ND<0.50	ND<0.50	15	26	--	--	160	ND<0.50	ND<5.0	ND<1.0	ND<0.50	ND<0.50	ND<0.20	ND<0.010	ND<5
08/03/04	ND<0.5	ND<0.5	25.1	8.2	32000	--	--	ND<1	ND<12	ND<1	ND<1	--	30	ND<0.001	34
11/09/04	--	--	8.3	--	--	--	24	--	--	--	--	--	ND<0.010	ND<0.010	7.6
02/01/05	--	--	9.7	27	--	--	100	--	--	--	--	--	0.083	ND<0.001	ND<5.0
05/04/05	--	--	13	28	--	--	75	--	--	--	--	--	0.11	ND<0.1	21

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang	Sulfide	Ethanol 8260B	BOD	Nitrate	C-Alkalinity	B-Alkalinity	H-Alkalinity	Total Alkalinity	D-Manganese
	(mg/l)	(mg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)
MW-1										
02/16/00	--	--	ND	--	--	--	--	--	--	--
06/29/00	--	--	ND	--	--	--	--	--	--	--
09/18/00	--	--	ND	--	--	--	--	--	--	--
12/14/00	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	ND<500000	--	--	--	--	--	--	--
12/11/01	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	ND<500000	--	--	--	--	--	--	--
06/17/02	--	--	ND<500000	--	--	--	--	--	--	--
09/10/02	--	--	ND<50000	--	--	--	--	--	--	--
12/10/02	--	--	ND<500000	--	--	--	--	--	--	--
03/11/03	--	--	ND<500000	--	--	--	--	--	--	--
06/10/03	--	--	ND<500000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	ND<500	ND<0.002	44	--	--	--	--	0.041
12/09/03	0.72	ND<1.0	ND<500	ND<6.0	--	ND<5.0	36	ND<5.0	36	--
03/17/04	0.75	ND<1.0	ND<500	--	--	ND<5.0	25	ND<5.0	25	--
06/02/04	ND<0.0050	ND<1	ND<50	ND<6	--	ND<5.0	15	ND<5.0	15	--
08/03/04	ND<0.01	ND<5	ND<800	--	--	--	--	--	--	--
11/09/04	1.3	--	--	--	--	ND<5.0	19	ND<5.0	19	--
02/01/05	0.64	--	--	ND<6	--	ND<5.0	24	ND<5.0	24	--
05/04/05	1.9	--	--	ND<6	--	ND<5.0	28	ND<5.0	28	--
MW-2										
02/16/00	--	--	ND	--	--	--	--	--	--	--
06/29/00	--	--	ND	--	--	--	--	--	--	--
09/18/00	--	--	ND	--	--	--	--	--	--	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang	Sulfide	Ethanol 8260B	BOD	Nitrate	C-Alkalinity	B-Alkalinity	H-Alkalinity	Total Alkalinity	D-Manganese
	(mg/l)	(mg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)
MW-2 continued										
12/14/00	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	ND<5000000	--	--	--	--	--	--	--
12/11/01	--	--	ND<10000000	--	--	--	--	--	--	--
03/12/02	--	--	ND<50000000	--	--	--	--	--	--	--
06/17/02	--	--	ND<5000000	--	--	--	--	--	--	--
09/10/02	--	--	ND<5000000	--	--	--	--	--	--	--
12/10/02	--	--	ND<500000	--	--	--	--	--	--	--
03/11/03	--	--	ND<500000	--	--	--	--	--	--	--
06/10/03	--	--	ND<500000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	ND<10000	0.006	6.9	--	--	--	--	0.93
12/10/03	0.96	ND<1.0	ND<5000	ND<6.0	--	--	62	--	62	--
03/17/04	0.46	ND<1.0	ND<500	--	--	ND<5.0	27	ND<5.0	27	--
06/02/04	ND<0.0050	ND<1	ND<250	ND<6	--	ND<5.0	34	ND<5.0	34	--
08/03/04	ND<0.01	ND<5	ND<800	--	--	--	--	--	--	--
11/09/04	1.5	--	--	--	--	ND<5.0	81	ND<5.0	81	--
02/01/05	0.14	--	--	ND<6	--	ND<5.0	33	ND<5.0	33	--
05/04/05	0.42	--	--	ND<6	--	ND<5.0	28	ND<5.0	28	--
MW-3										
02/16/00	--	--	ND	--	--	--	--	--	--	--
06/29/00	--	--	ND	--	--	--	--	--	--	--
09/18/00	--	--	ND	--	--	--	--	--	--	--
12/14/00	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	ND	--	--	--	--	--	--	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang	Sulfide	Ethanol 8260B	BOD	Nitrate	C-Alkalinity	B-Alkalinity	H-Alkalinity	Total Alkalinity	D-Manganese
	(mg/l)	(mg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)
MW-3 continued										
09/11/01	--	--	ND<500000	--	--	--	--	--	--	--
12/11/01	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	ND<500000	--	--	--	--	--	--	--
06/17/02	--	--	ND<500000	--	--	--	--	--	--	--
09/10/02	--	--	ND<50000	--	--	--	--	--	--	--
12/10/02	--	--	ND<500000	--	--	--	--	--	--	--
03/11/03	--	--	ND<500000	--	--	--	--	--	--	--
06/10/03	--	--	ND<500000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	ND<500	ND<0.02	48	--	--	--	--	0.076
12/09/03	0.20	ND<1.0	ND<500	ND<6.0	--	ND<5.0	26	ND<5.0	26	--
03/17/04	0.10	ND<1.0	ND<500	--	--	ND<5.0	10	ND<5.0	10	--
06/02/04	0.0068	ND<1	ND<50	ND<6	--	ND<5.0	19	ND<5.0	19	--
08/03/04	ND<0.01	ND<0.5	ND<800	--	--	--	--	--	--	--
11/09/04	0.27	--	--	--	--	ND<5.0	19	ND<5.0	19	--
02/01/05	0.040	--	--	ND<6	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--
05/04/05	0.047	--	--	ND<6	--	ND<5.0	12	ND<5.0	12	--
MW-4										
02/16/00	--	--	ND	--	--	--	--	--	--	--
06/29/00	--	--	ND	--	--	--	--	--	--	--
09/18/00	--	--	ND	--	--	--	--	--	--	--
12/14/00	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	ND<500000	--	--	--	--	--	--	--
12/11/01	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	ND<500000	--	--	--	--	--	--	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang	Sulfide	Ethanol 8260B	BOD	Nitrate	C-Alkalinity	B-Alkalinity	H-Alkalinity	Total Alkalinity	D-Manganese
	(mg/l)	(mg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)
MW-4 continued										
09/10/02	--	--	ND<50000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	ND<500	ND<0.02	64	--	--	--	--	0.13
03/17/04	0.14	ND<1.0	ND<500	--	--	ND<5.0	30	ND<5.0	30	--
08/03/04	ND<0.01	ND<5	ND<800	--	--	--	--	--	--	--
02/01/05	0.24	--	--	ND<6	--	ND<5.0	43	ND<5.0	43	--
MW-5										
12/14/00	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	ND<500000	--	--	--	--	--	--	--
12/11/01	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	ND<500000	--	--	--	--	--	--	--
06/17/02	--	--	ND<500000	--	--	--	--	--	--	--
09/10/02	--	--	ND<50000	--	--	--	--	--	--	--
12/10/02	--	--	ND<500000	--	--	--	--	--	--	--
03/11/03	--	--	ND<500000	--	--	--	--	--	--	--
06/10/03	--	--	ND<500000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	ND<500	ND<0.02	23	--	--	--	--	0.29
12/09/03	0.28	ND<1.0	ND<500	ND<6.0	--	ND<5.0	52	ND<5.0	52	--
03/17/04	0.22	ND<1.0	ND<500	--	--	ND<5.0	15	ND<5.0	15	--
06/02/04	ND<0.0050	ND<1	ND<50	ND<6	--	ND<5.0	29	ND<5.0	29	--
08/03/04	ND<0.01	ND<5	ND<800	--	--	--	--	--	--	--
11/09/04	0.51	--	--	--	--	ND<5.0	39	ND<5.0	39	--
02/01/05	0.21	--	--	ND<6	--	ND<5.0	19	ND<5.0	19	--
05/04/05	0.054	--	--	ND<6	--	ND<5.0	19	ND<5.0	19	--
MW-6										

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang	Sulfide	Ethanol 8260B	BOD	Nitrate	C-Alkalinity	B-Alkalinity	H-Alkalinity	Total Alkalinity	D-Manganese
	(mg/l)	(mg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)
MW-6 continued										
12/14/00	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	ND<2500000	--	--	--	--	--	--	--
12/11/01	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	ND<5000000	--	--	--	--	--	--	--
06/17/02	--	--	ND<500000	--	--	--	--	--	--	--
09/10/02	--	--	ND<50000	--	--	--	--	--	--	--
06/10/03	--	--	ND<500000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	ND<500	ND<0.006	2.5	--	--	--	--	0.74
12/09/03	1.2	ND<1.0	ND<500	ND<6.0	--	ND<5.0	83	ND<5.0	83	--
03/17/04	1.6	ND<1.0	ND<500	--	--	ND<5.0	96	ND<5.0	96	--
06/02/04	1.3	ND<1	ND<50	ND<6	--	ND<5.0	73	ND<5.0	73	--
08/03/04	ND<0.01	ND<5	ND<800	--	--	--	--	--	--	--
11/09/04	1.7	--	--	--	--	ND<5.0	76	ND<5.0	76	--
02/01/05	1.7	--	--	ND<6	--	ND<5.0	62	ND<5.0	62	--
05/04/05	1.6	--	--	ND<6	--	ND<5.0	60	ND<5.0	60	--
MW-7										
12/14/00	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	ND<500000	--	--	--	--	--	--	--
12/11/01	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	ND<500000	--	--	--	--	--	--	--
06/17/02	--	--	ND<500000	--	--	--	--	--	--	--
09/10/02	--	--	ND<50000	--	--	--	--	--	--	--

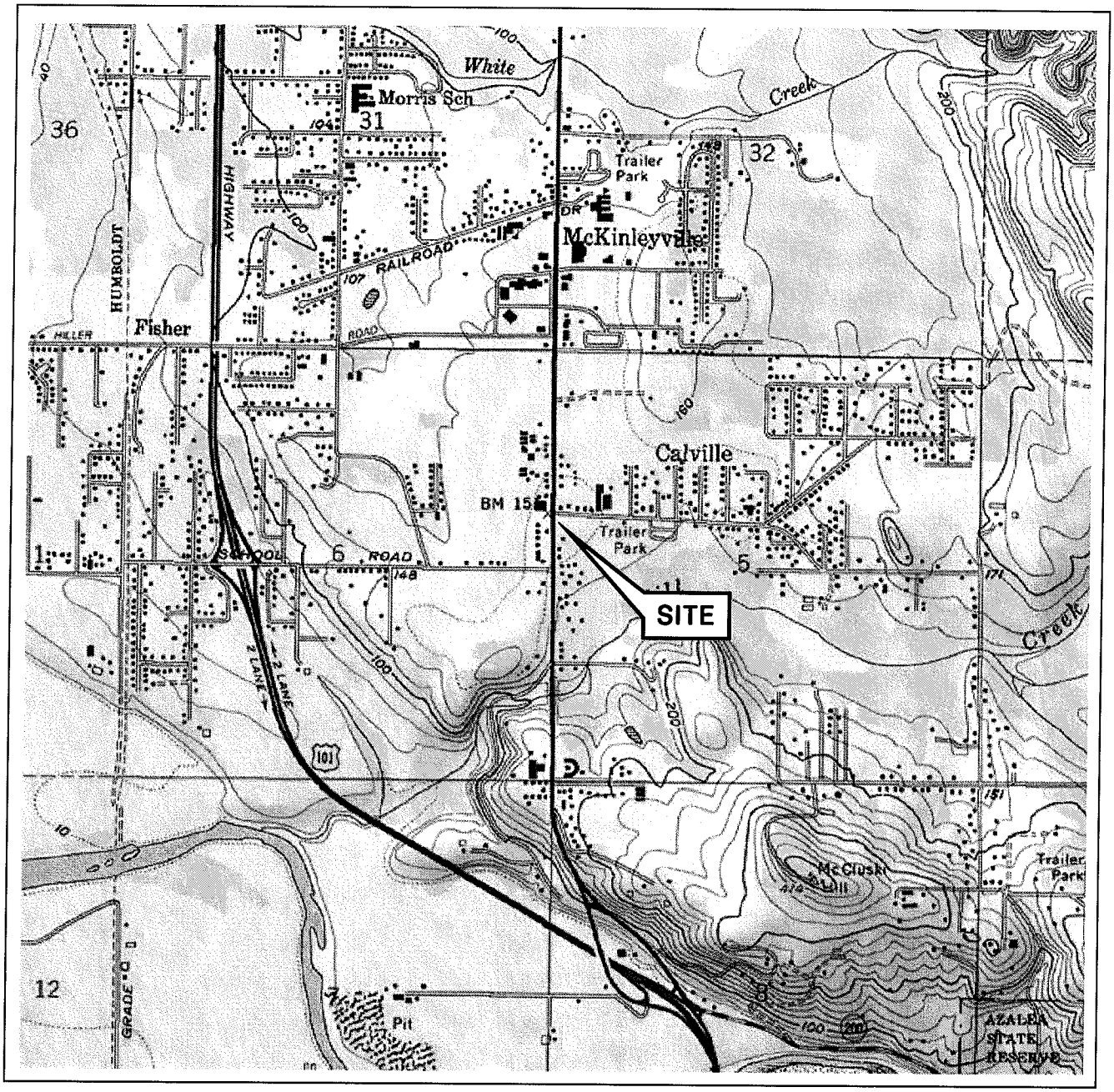
Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang	Sulfide	Ethanol 8260B	BOD	Nitrate	C-Alkalinity	B-Alkalinity	H-Alkalinity	Total Alkalinity	D-Manganese
	(mg/l)	(mg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)
MW-7 continued										
06/10/03	--	--	ND<500000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	ND<500	ND<0.02	ND<1.0	--	--	--	--	0.26
12/10/03	0.29	ND<1.0	ND<500	ND<6.0	--	--	130	--	130	--
03/17/04	0.30	ND<1.0	ND<500	--	--	ND<5.0	120	ND<5.0	120	--
06/02/04	0.24	ND<1	ND<50	ND<6	--	ND<5.0	73	ND<5.0	73	--
08/03/04	ND<0.01	ND<5	ND<800	--	--	--	--	--	--	--
11/09/04	0.89	--	--	--	--	ND<5.0	27	ND<5.0	27	--
02/01/05	1.9	--	--	ND<6	--	ND<5.0	48	ND<5.0	48	--
05/04/05	1.2	--	--	ND<6	--	ND<5.0	50	ND<5.0	50	--
MW-8										
12/14/00	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	ND<500000	--	--	--	--	--	--	--
12/11/01	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	ND<500000	--	--	--	--	--	--	--
09/10/02	--	--	ND<50000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	ND<500	ND<0.02	5.9	--	--	--	--	ND<0.0050
03/17/04	0.22	ND<1.0	ND<500	--	--	ND<5.0	50	ND<5.0	50	--
08/03/04	ND<0.01	ND<5	ND<800	--	--	--	--	--	--	--
02/01/05	0.96	--	--	ND<6	--	ND<5.0	69	ND<5.0	69	--
MW-9										
12/14/00	--	--	ND	--	--	--	--	--	--	--
03/07/01	--	--	ND	--	--	--	--	--	--	--
06/05/01	--	--	ND	--	--	--	--	--	--	--
09/11/01	--	--	ND<500000	--	--	--	--	--	--	--

Table 3 b
ADDITIONAL ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Mang	Sulfide	Ethanol 8260B	BOD	Nitrate	C-Alkalinity	B-Alkalinity	H-Alkalinity	Total Alkalinity	D-Manganese
	(mg/l)	(mg/l)	(µg/l)	(mg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(µg/l)
MW-9 continued										
12/11/01	--	--	ND<500000	--	--	--	--	--	--	--
03/12/02	--	--	ND<500000	--	--	--	--	--	--	--
06/17/02	--	--	ND<500000	--	--	--	--	--	--	--
09/10/02	--	--	ND<50000	--	--	--	--	--	--	--
12/10/02	--	--	ND<500000	--	--	--	--	--	--	--
03/11/03	--	--	ND<500000	--	--	--	--	--	--	--
06/10/03	--	--	ND<500000	--	--	--	--	--	--	--
09/10/03	--	ND<0.001	ND<500	ND<0.006	8.9	--	--	--	--	0.34
12/09/03	1.6	--	ND<500	--	--	ND<5.0	100	ND<5.0	100	--
03/17/04	0.57	ND<1.0	ND<500	--	--	ND<5.0	55	ND<5.0	55	--
06/02/04	0.073	ND<1	ND<50	ND<6	--	ND<5.0	78	ND<5.0	78	--
08/03/04	ND<0.01	ND<5	ND<800	--	--	--	--	--	--	--
11/09/04	1.3	--	--	--	--	ND<5.0	79	ND<5.0	79	--
02/01/05	1.8	--	--	ND<6	--	ND<5.0	72	ND<5.0	72	--
05/04/05	2.0	--	--	ND<6	--	ND<5.0	61	ND<5.0	61	--

FIGURES



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

SCALE 1:24,000

N

QUADRANGLE LOCATION

SOURCE:

United States Geological Survey
7.5 Minute Topographic Maps:
Arcata North and Tyee City
Quadrangles

VICINITY MAP

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

FIGURE 1

PS = 1:1

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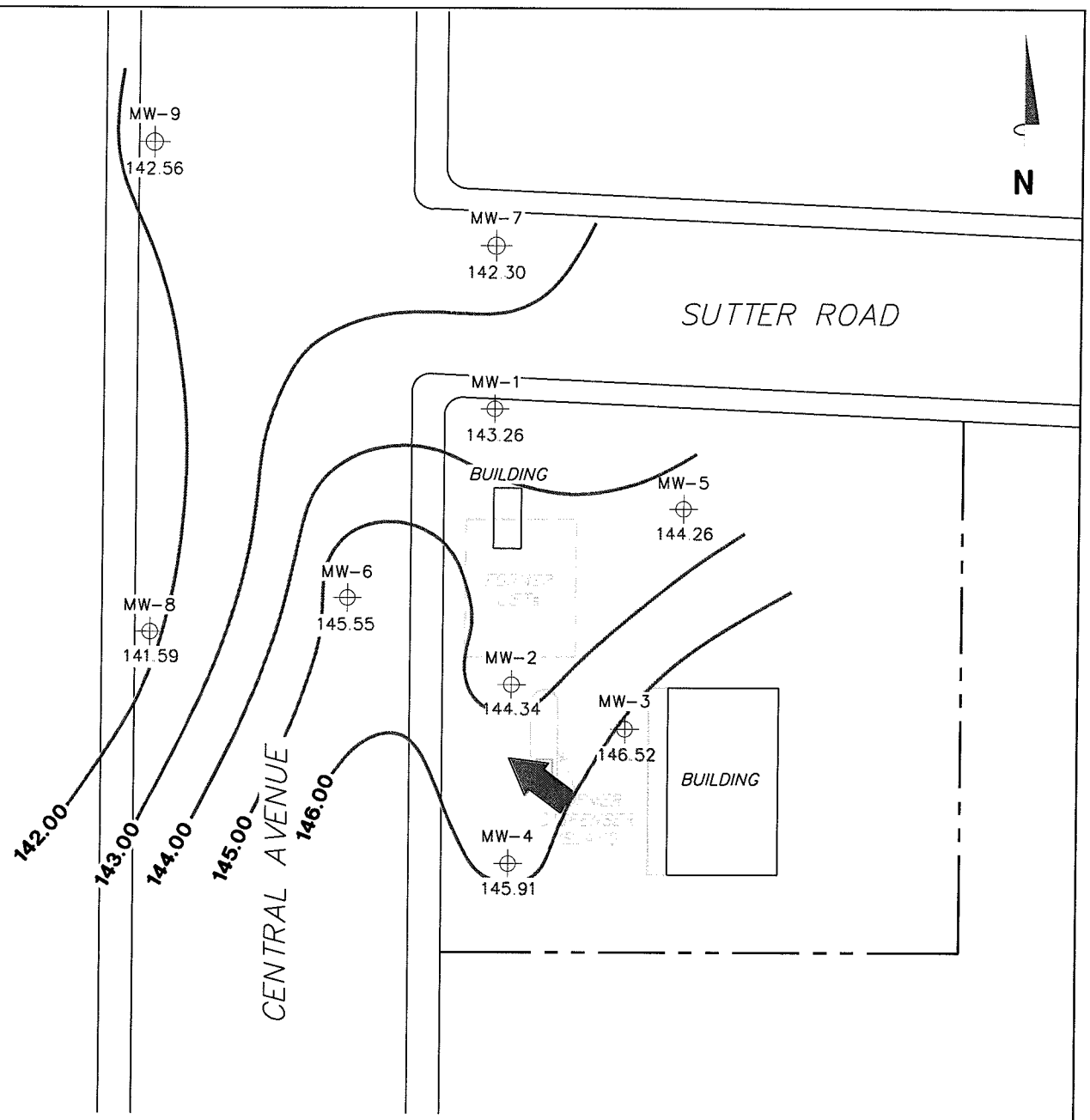

NOTES:

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.

LEGEND

MW-9 ⊕ Monitoring Well with Groundwater Elevation (feet)

146.00 —— Groundwater Elevation Contour

➡ General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
May 4, 2005

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

SCALE (FEET)
0 60

FIGURE 2

PS=1:1 01106-003

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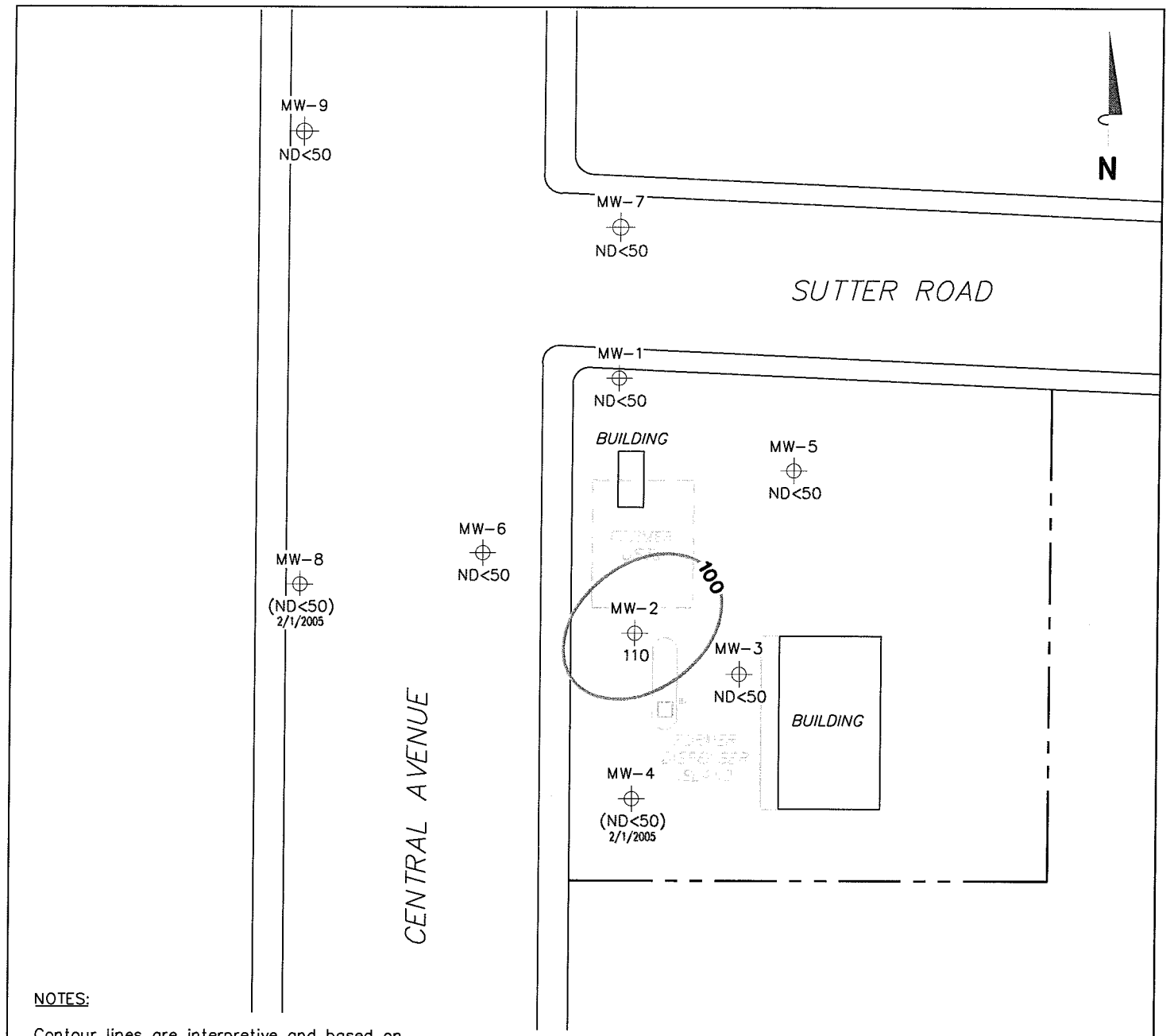

NOTES:

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.
( ) = representative of historical value. Results obtained using EPA Method 8015.

LEGEND

MW-9 ⊕ Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)

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

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
May 4, 2005

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

SCALE (FEET)
0 60

FIGURE 3

PS=1:1 01106-003

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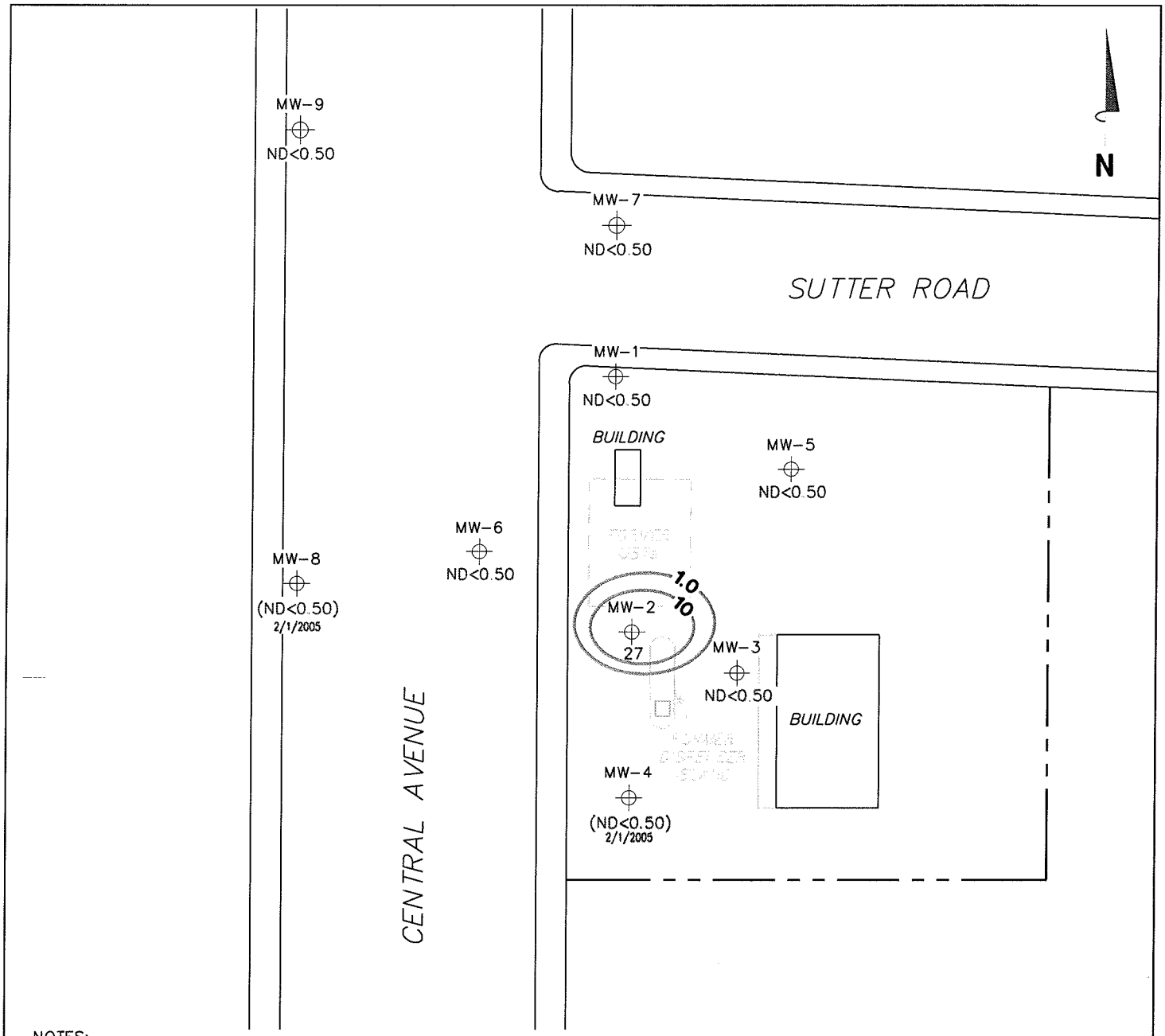

NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.
( ) = representative of historical value.

LEGEND

MW-9 Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

10 Dissolved-Phase Benzene Contour (µg/l)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
May 4, 2005

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

SCALE (FEET)
0 60

FIGURE 4

PS=1:1 01106-003

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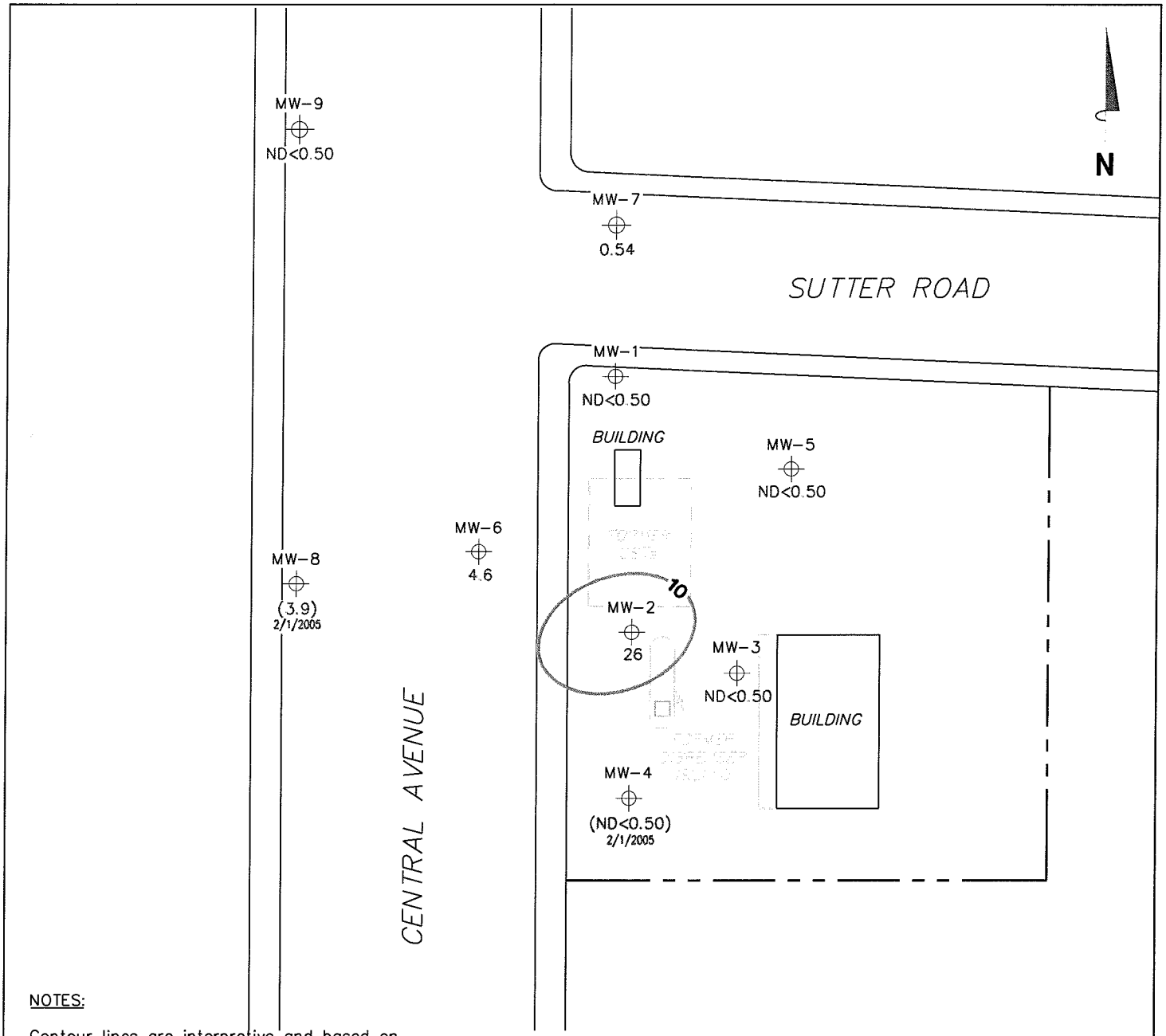

NOTES:

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. ( ) = representative of historical value. Results obtained using EPA Method 8260B.

LEGEND

MW-9 Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

10 Dissolved-Phase MTBE Contour (µg/l)

DISSOLVED-PHASE MTBE CONCENTRATION MAP
May 4, 2005

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

SCALE (FEET)
0 60

FIGURE 5

PS=1:1 01106-003

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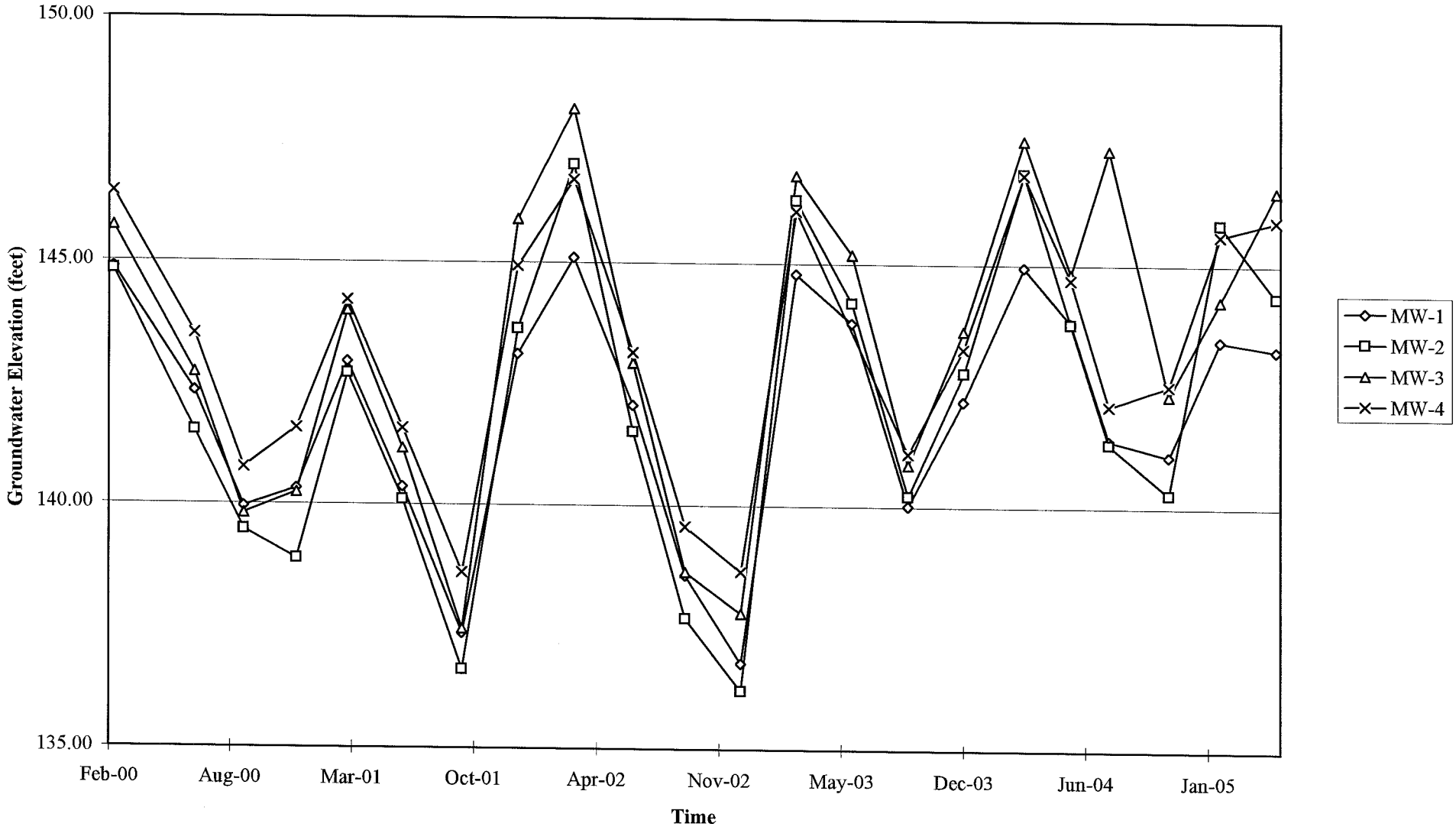
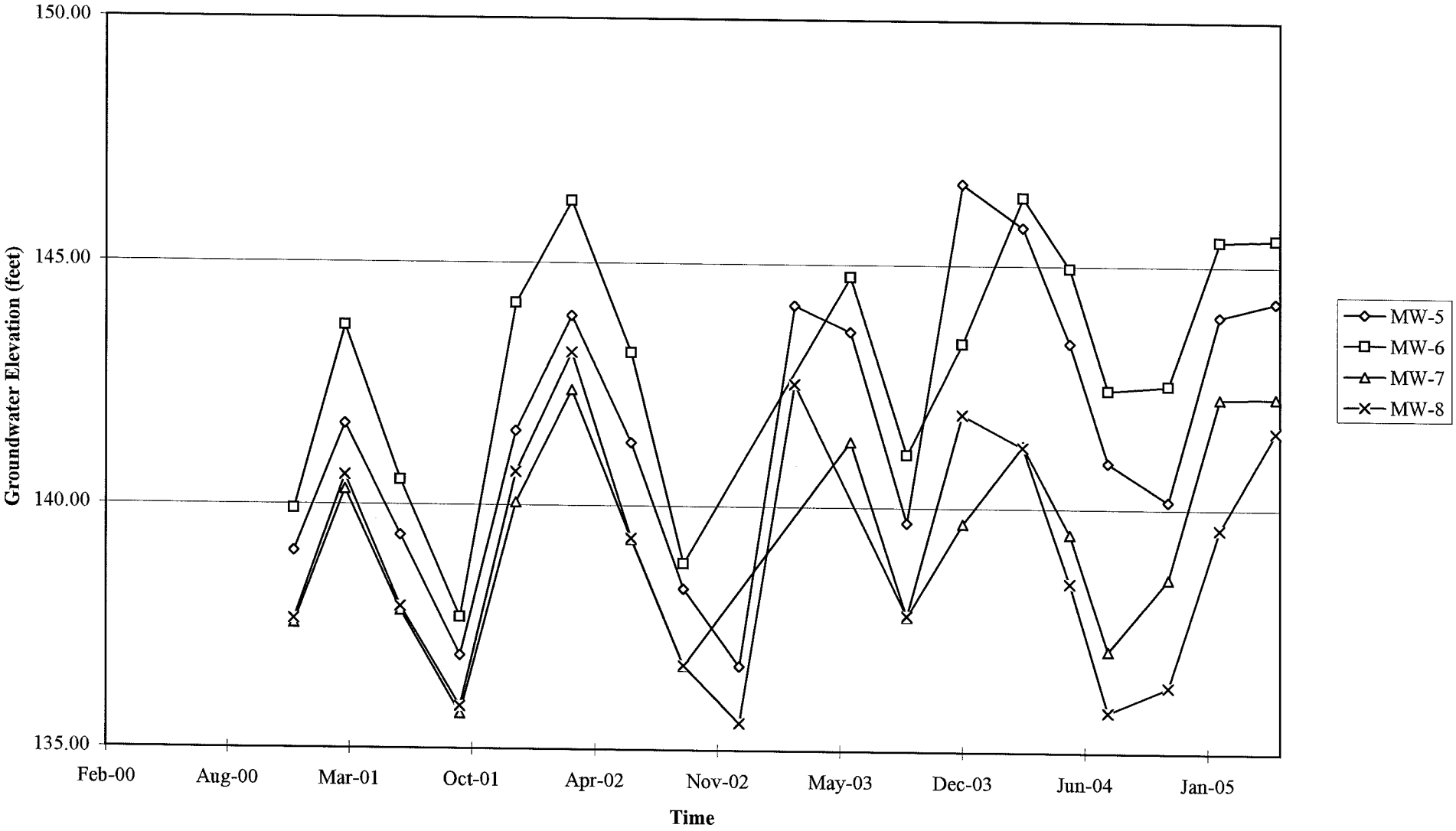
GRAPHS

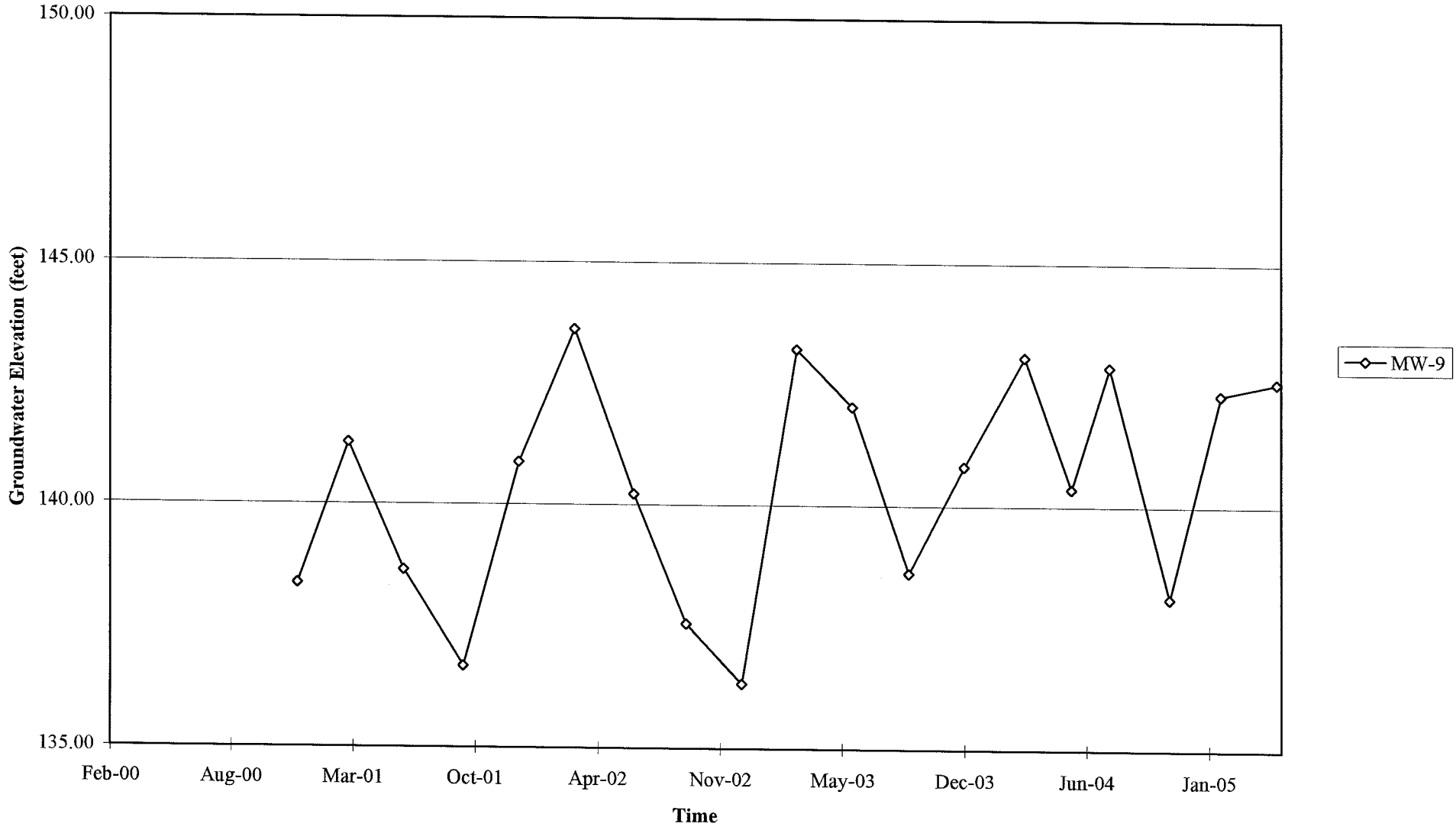
Groundwater Elevations vs. Time
Former Circle K Store 01106



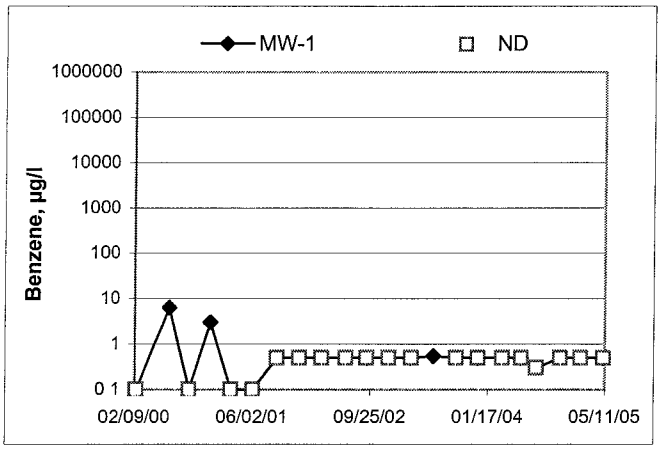
Groundwater Elevations vs. Time
Former Circle K Store 01106

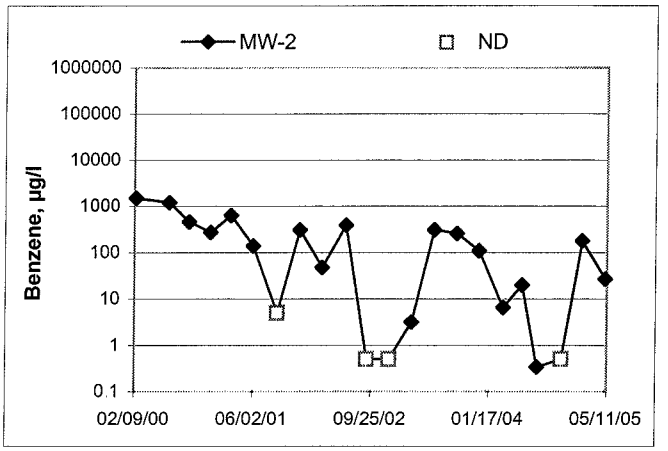


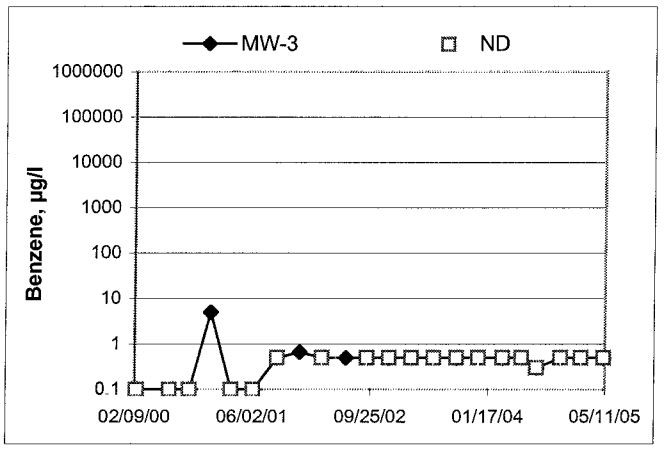
Groundwater Elevations vs. Time
Former Circle K Store 01106

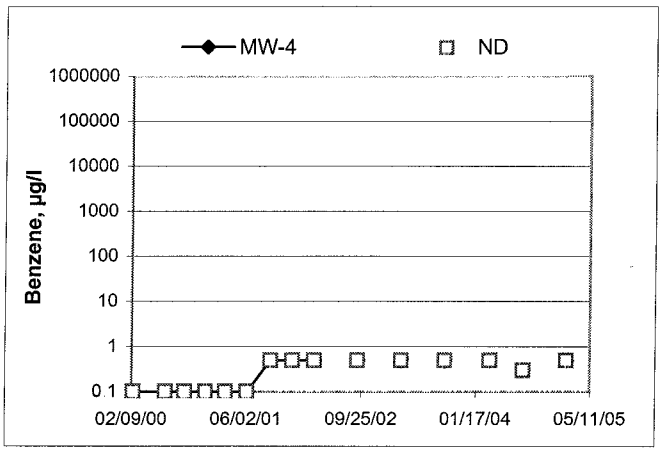


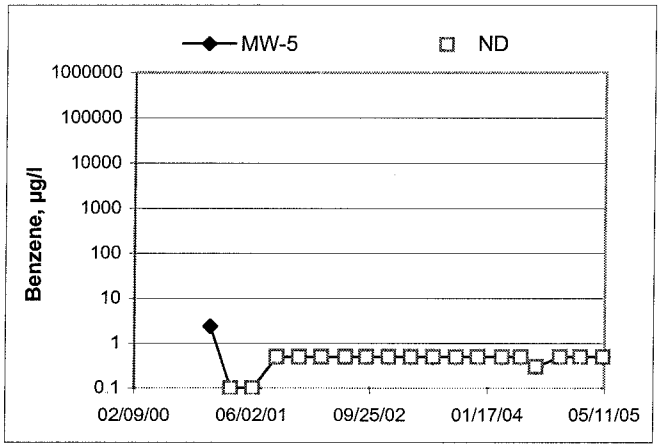
Benzene Concentrations vs Time
Former Circle K Store 01106

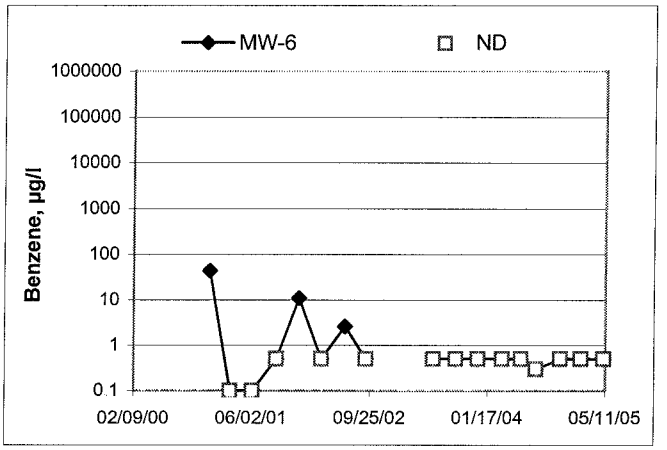


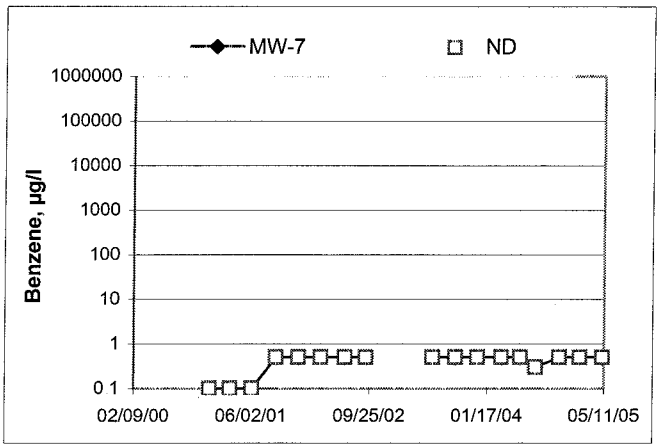


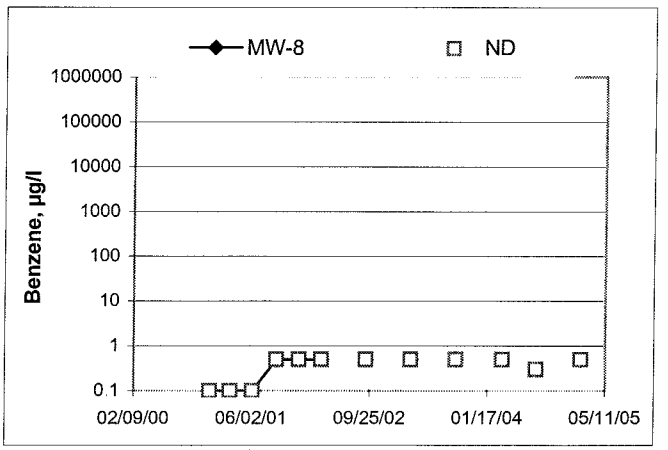




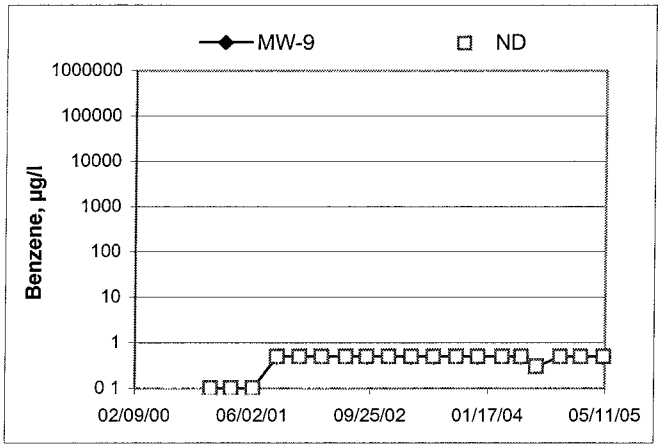




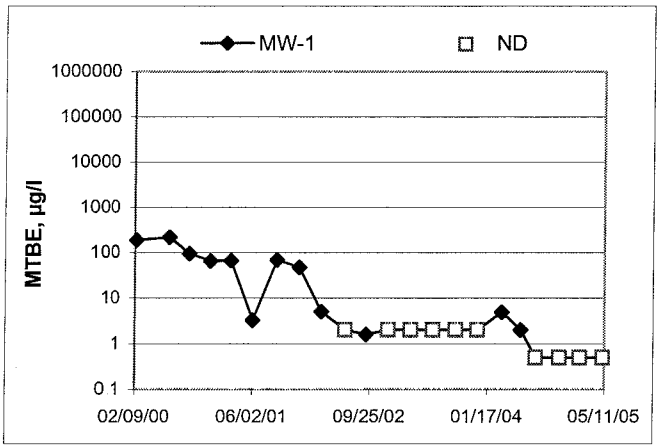


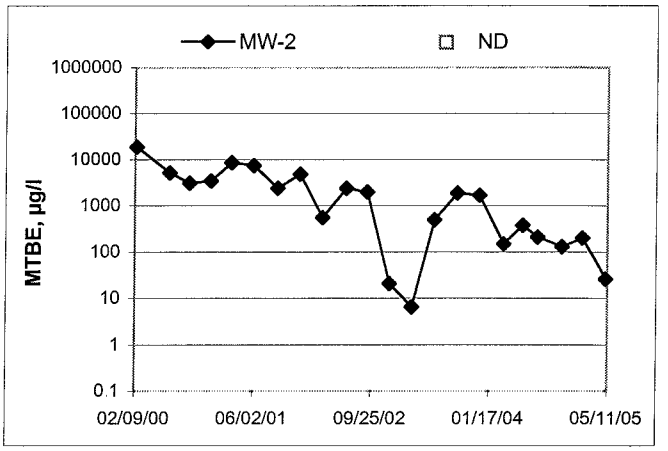


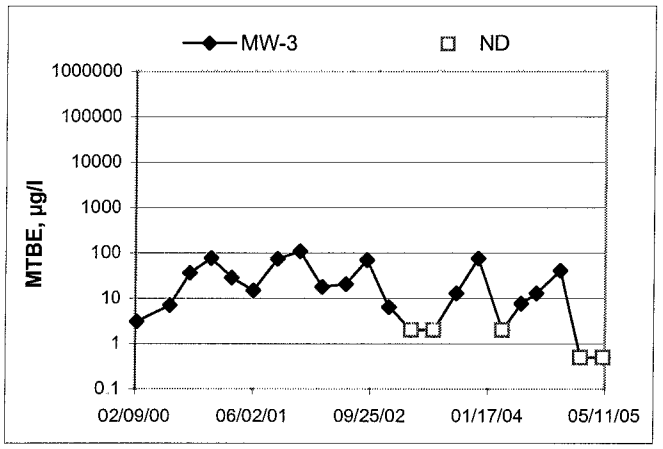
Benzene Concentrations vs Time
Former Circle K Store 01106

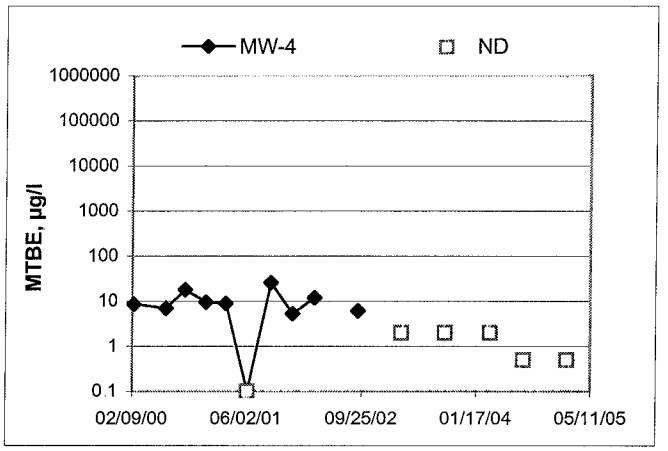


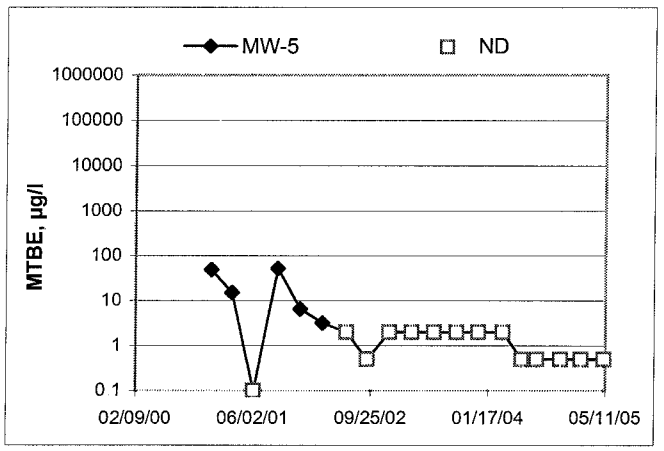
MTBE Concentrations vs Time
Former Circle K Store 01106

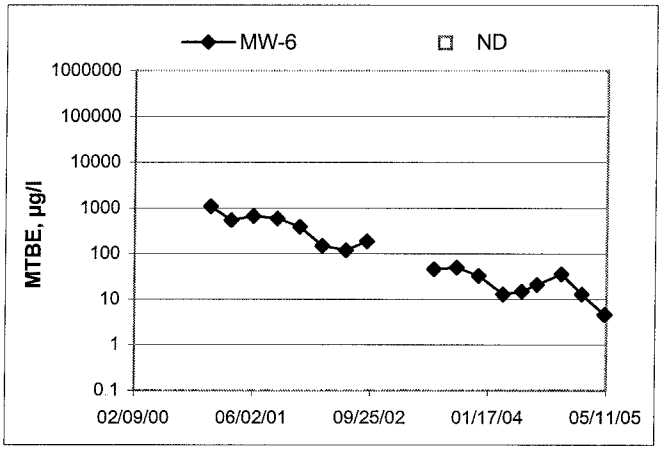


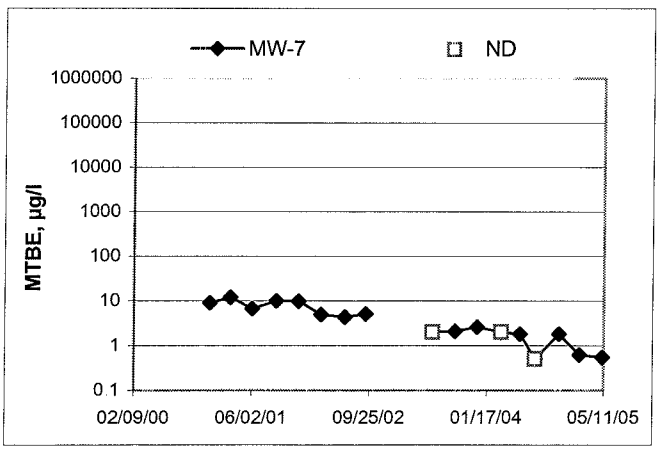


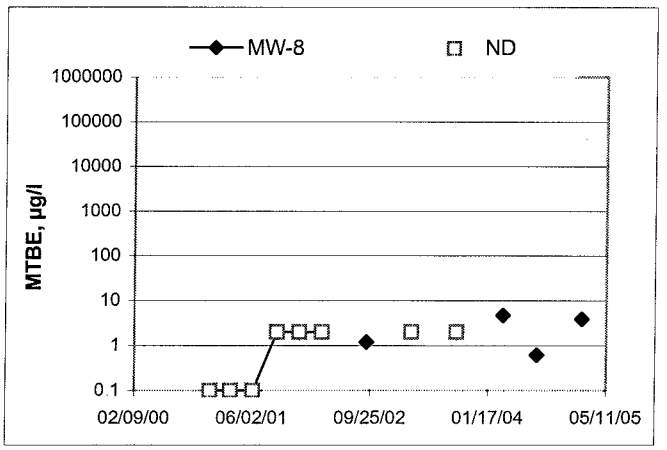




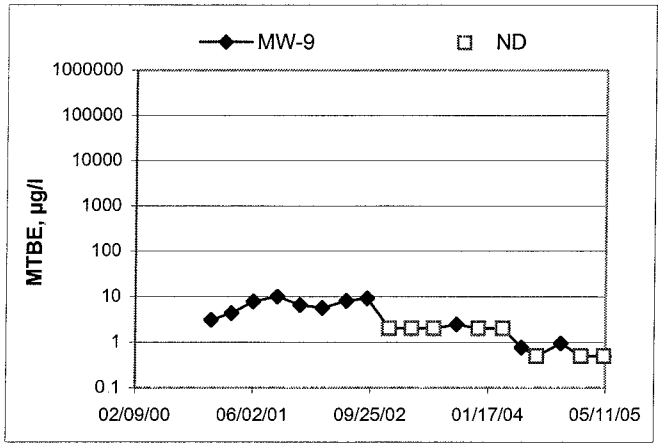








MTBE Concentrations vs Time
Former Circle K Store 01106



GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging, and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: Anthony Job #/Task #: 41050001/FA20 Date: 05-04-05

Site # 01106 Project Manager A. 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-1	✓	0533	17.08	6.29	—	—	0605	2"
MW-5	✓	0629	17.05	5.90	—	—	1018	2"
MW-3	✓	0634	16.87	4.02	—	—	1041	2"
MW-4	✓	0640	17.07	4.75	—	—	N/S	2"
MW-9	✓	0649	19.48	7.41	—	—	1105	2"
MW-7	✓	0658	17.09	7.32	—	—	1131	2"
MW-8	✓	0711	19.42	8.90	—	—	N/S	2" under pressure
MW-6	✓	0719	16.45	4.90	—	—	1212	2"
MW-2	✓	0725	17.08	5.80	—	—	1242	2"

FIELD DATA COMPLETE ✓ QA/QC ✓ COC ✓ WELL BOX CONDITION SHEETS ✓

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL ✓

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony

Site: 01106 Project No.: 41050001 Date: 05-04-05

Well No.: MW-1 Purge Method: Disc

Depth to Water (feet): 6.29 Depth to Product (feet): —

Total Depth (feet): 17.08 LPH & Water Recovered (gallons): —

Water Column (feet): 10.79 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.45 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.
0546			2	168.5	16.2	5.83		6.90
			4	180.6	16.3	5.73		
	0549		6	183.3	16.2	5.66		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.34	6	0605

Comments:

Well No.: MW-5 Purge Method: Disc

Depth to Water (feet): 5.90 Depth to Product (feet): —

Total Depth (feet): 17.05 LPH & Water Recovered (gallons): —

Water Column (feet): 11.15 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.13 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.
0803			2	169.3	15.3	6.02		6.68
			4	150.1	15.1	5.84		
	0805		6	182.7	15.3	5.83		

Static at Time Sampled	Total Gallons Purged	Time Sampled
6.16	6	1018

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony

Site: 01106 Project No.: 41050001 Date: 05-04-05

Well No.: MW-3 Purge Method: Dm

Depth to Water (feet): 4.02 Depth to Product (feet): —

Total Depth (feet): 16.87 LPH & Water Recovered (gallons): —

Water Column (feet): 12.85 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 6.49 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.
0814			2	181	16.1	5.33		2.58
			4	178	16.2	5.01		
	0816		6	170	16.2	5.38		

Static at Time Sampled	Total Gallons Purged	Time Sampled
4.11	6	1041

Comments:

Well No.: MW-9 Purge Method: Dm

Depth to Water (feet): 7.41 Depth to Product (feet): —

Total Depth (feet): 19.48 LPH & Water Recovered (gallons): —

Water Column (feet): 12.07 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 9.82 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.
0828			2	220	16.2	5.86		2.69
			4	215	16.3	5.83		
	0830		6	220	16.3	5.84		

Static at Time Sampled	Total Gallons Purged	Time Sampled
7.51	6	~~1011~~ AH 1105

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony

Site: 01106 Project No.: 41050001 Date: 05-04-05

Well No.: MW-7 Purge Method: Bail

Depth to Water (feet): 7.32 Depth to Product (feet): —

Total Depth (feet): 17.09 LPH & Water Recovered (gallons): —

Water Column (feet): 9.77 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 9.27 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.
0849			2	236	17.3	5.70		0.71
			4	445	17.5	5.58		
	0854		6	451	17.5	5.71		

Static at Time Sampled	Total Gallons Purged	Time Sampled
8.36	6	1131

Comments:

Well No.: MW-6 Purge Method: Bail

Depth to Water (feet): 4.90 Depth to Product (feet): —

Total Depth (feet): 16.45 LPH & Water Recovered (gallons): —

Water Column (feet): 11.55 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 7.21 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.
0905			2	210	17.0	5.80		0.81
			4	217	17.2	5.71		
	0908		6	199	17.1	5.78		

Static at Time Sampled	Total Gallons Purged	Time Sampled
5.00	6	1212

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Site: 01106

Technician: Anthony

Project No.: 41050001

Date: 05-04-05

Well No.: MW-2

Purge Method: Dia

Depth to Water (feet): 5.80

Depth to Product (feet): —

Total Depth (feet): 17.08

LPH & Water Recovered (gallons): —

Water Column (feet): 11.28

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 8.06

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.
0920			2	164	16.9	5.96		5.48
			4	161	17.1	5.85		
	0924		6	194	17.0	5.95		

Static at Time Sampled	Total Gallons Purged	Time Sampled
5.94	6	1242

Comments:

Well No.:

Purge Method:

Depth to Water (feet):

Depth to Product (feet):

Total Depth (feet):

LPH & Water Recovered (gallons):

Water Column (feet):

Casing Diameter (Inches):

80% Recharge Depth (feet):

1 Well Volume (gallons):

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

Static at Time Sampled	Total Gallons Purged	Time Sampled

Comments:

SEVERN TRENT STL

Submission#: 2005-05-0149

TRC Alton Geoscience- Irvine

May 19, 2005

21 Technology Drive
Irvine, CA 92718

Attn.: Anju Farfan

Project#: 41050001/FA20
Project: Conoco Phillips #01106
Site: 1693 Central Ave., Mckinleyville

Attached is our report for your samples received on 05/05/2005 09:25
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 06/19/2005 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

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/04/2005 06:05	Water	1
MW-5	05/04/2005 10:18	Water	2
MW-3	05/04/2005 10:41	Water	3
MW-9	05/04/2005 11:05	Water	4
MW-7	05/04/2005 11:31	Water	5
MW-6	05/04/2005 12:12	Water	6
MW-2	05/04/2005 12:42	Water	7

Misc Anions by Ion Chromatograph

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**MW-1**	Lab ID:	2005-05-0149 - 1
Sampled:	05/04/2005 06:05	Extracted:	5/5/2005 19:55
Matrix:	Water	QC Batch#:	2005/05/05-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	33	1.0	mg/L	5.00	05/05/2005 19:55	
Sulfate	9.7	1.0	mg/L	5.00	05/05/2005 19:55	

Misc Anions by Ion Chromatograph

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**MW-5**	Lab ID:	2005-05-0149 - 2
Sampled:	05/04/2005 10:18	Extracted:	5/5/2005 20:11
Matrix:	Water	QC Batch#:	2005/05/05-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	22	1.0	mg/L	5.00	05/05/2005 20:11	
Sulfate	7.9	1.0	mg/L	5.00	05/05/2005 20:11	

Misc Anions by Ion Chromatograph

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**MW-3**	Lab ID:	2005-05-0149 - 3
Sampled:	05/04/2005 10:41	Extracted:	5/5/2005 20:26
Matrix:	Water	QC Batch#:	2005/05/05-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	51	1.0	mg/L	5.00	05/05/2005 20:26	
Sulfate	19	1.0	mg/L	5.00	05/05/2005 20:26	

Misc Anions by Ion Chromatograph

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**MW-9**	Lab ID:	2005-05-0149 - 4
Sampled:	05/04/2005 11:05	Extracted:	5/5/2005 20:42
Matrix:	Water	QC Batch#:	2005/05/05-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	13	1.0	mg/L	5.00	05/05/2005 20:42	
Sulfate	28	1.0	mg/L	5.00	05/05/2005 20:42	

Misc Anions by Ion Chromatograph

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**MW-7**	Lab ID:	2005-05-0149 - 5
Sampled:	05/04/2005 11:31	Extracted:	5/5/2005 20:57
Matrix:	Water	QC Batch#:	2005/05/05-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	1.1	1.0	mg/L	5.00	05/05/2005 20:57	
Sulfate	86	1.0	mg/L	5.00	05/05/2005 20:57	

Misc Anions by Ion Chromatograph

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**MW-6**	Lab ID:	2005-05-0149 - 6
Sampled:	05/04/2005 12:12	Extracted:	5/5/2005 21:13
Matrix:	Water	QC Batch#:	2005/05/05-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	3.8	1.0	mg/L	5.00	05/05/2005 21:13	
Sulfate	31	1.0	mg/L	5.00	05/05/2005 21:13	

Misc Anions by Ion Chromatograph

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Prep(s):	300.0/9056	Test(s):	300.0/9056
Sample ID:	**MW-2**	Lab ID:	2005-05-0149 - 7
Sampled:	05/04/2005 12:42	Extracted:	5/5/2005 21:28
Matrix:	Water	QC Batch#:	2005/05/05-01.41

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Nitrate	21	1.0	mg/L	5.00	05/05/2005 21:28	
Sulfate	12	1.0	mg/L	5.00	05/05/2005 21:28	

Misc Anions by Ion Chromatograph

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Batch QC Report

Prep(s): 300.0/9056 Test(s): 300.0/9056

Method Blank **Water** **QC Batch # 2005/05/05-01.41**

MB: 2005/05/05-01.41-001 Date Extracted: 05/05/2005 11:38

Compound	Conc.	RL	Unit	Analyzed	Flag
Nitrate	ND	0.2	mg/L	05/05/2005 11:38	
Sulfate	ND	0.2	mg/L	05/05/2005 11:38	

Misc Anions by Ion Chromatograph

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Abe., Mckinleyville

Batch QC Report

Prep(s): 300.0/9056 Test(s): 300.0/9056

Laboratory Control Spike **Water** **QC Batch # 2005/05/05-01.41**

LCS 2005/05/05-01.41-002 Extracted: 05/05/2005 Analyzed: 05/05/2005 11:54
LCSD 2005/05/05-01.41-003 Extracted: 05/05/2005 Analyzed: 05/05/2005 12:09

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Nitrate	25.6	25.8	26.7	95.9	96.6	0.7	80-120	20		
Sulfate	28.7	28.8	30	95.7	96.0	0.3	80-120	20		

SEVERN TRENT STL

Submission: 2005-05-0149

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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/04/2005 06:05	Water	1
MW-5	05/04/2005 10:18	Water	2
MW-3	05/04/2005 10:41	Water	3
MW-9	05/04/2005 11:05	Water	4
MW-7	05/04/2005 11:31	Water	5
MW-6	05/04/2005 12:12	Water	6
MW-2	05/04/2005 12:42	Water	7

Gas/BTEX Fuel Oxygenates by 8260B

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21 Technology Drive
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-1**	Lab ID:	2005-05-0149 - 1
Sampled:	05/04/2005 06:05	Extracted:	5/15/2005 10:18
Matrix:	Water	QC Batch#:	2005/05/15-1A.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/15/2005 10:18	
Surrogate(s)						
1,2-Dichloroethane-d4	118.1	73-130	%	1.00	05/15/2005 10:18	
Toluene-d8	104.7	81-114	%	1.00	05/15/2005 10:18	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s): 5030B
Sample ID: **MW-5**
Sampled: 05/04/2005 10:18
Matrix: Water
pH: <2

Test(s): 8260B
Lab ID: 2005-05-0149 - 2
Extracted: 5/15/2005 10:40
QC Batch#: 2005/05/15-1A.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/15/2005 10:40	
Surrogate(s)						
1,2-Dichloroethane-d4	125.3	73-130	%	1.00	05/15/2005 10:40	
Toluene-d8	100.0	81-114	%	1.00	05/15/2005 10:40	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-3**	Lab ID:	2005-05-0149 - 3
Sampled:	05/04/2005 10:41	Extracted:	5/15/2005 11:03
Matrix:	Water	QC Batch#:	2005/05/15-1A.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/15/2005 11:03	
Surrogate(s)						
1,2-Dichloroethane-d4	121.9	73-130	%	1.00	05/15/2005 11:03	
Toluene-d8	101.4	81-114	%	1.00	05/15/2005 11:03	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-9**	Lab ID:	2005-05-0149 - 4
Sampled:	05/04/2005 11:05	Extracted:	5/15/2005 11:38
Matrix:	Water	QC Batch#:	2005/05/15-1A.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/15/2005 11:38	
Surrogate(s)						
1,2-Dichloroethane-d4	110.0	73-130	%	1.00	05/15/2005 11:38	
Toluene-d8	96.3	81-114	%	1.00	05/15/2005 11:38	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-7**	Lab ID:	2005-05-0149 - 5
Sampled:	05/04/2005 11:31	Extracted:	5/15/2005 12:00
Matrix:	Water	QC Batch#:	2005/05/15-1A.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	0.54	0.50	ug/L	1.00	05/15/2005 12:00	
Surrogate(s)						
1,2-Dichloroethane-d4	112.8	73-130	%	1.00	05/15/2005 12:00	
Toluene-d8	99.5	81-114	%	1.00	05/15/2005 12:00	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-6**	Lab ID:	2005-05-0149 - 6
Sampled:	05/04/2005 12:12	Extracted:	5/15/2005 22:49
Matrix:	Water	QC Batch#:	2005/05/15-2B.66
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	4.6	0.50	ug/L	1.00	05/15/2005 22:49	
Surrogate(s)						
1,2-Dichloroethane-d4	101.1	73-130	%	1.00	05/15/2005 22:49	
Toluene-d8	97.4	81-114	%	1.00	05/15/2005 22:49	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030B	Test(s):	8260B
Sample ID:	**MW-2**	Lab ID:	2005-05-0149 - 7
Sampled:	05/04/2005 12:42	Extracted:	5/15/2005 01:33
Matrix:	Water	QC Batch#:	2005/05/14-2A.64
pH: <2			

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	26	0.50	ug/L	1.00	05/15/2005 01:33	
Surrogate(s)						
1,2-Dichloroethane-d4	118.1	73-130	%	1.00	05/15/2005 01:33	
Toluene-d8	102.2	81-114	%	1.00	05/15/2005 01:33	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/05/14-2A.64**

MB: 2005/05/14-2A.64-056 — Date Extracted: 05/14/2005 17:56

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/14/2005 17:56	
Surrogates(s)					
1,2-Dichloroethane-d4	109.8	73-130	%	05/14/2005 17:56	
Toluene-d8	102.0	81-114	%	05/14/2005 17:56	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030B — Test(s): 8260B

Method Blank — **Water** — **QC Batch # 2005/05/15-1A.64**

MB: 2005/05/15-1A.64-035 — Date Extracted: 05/15/2005 08:35

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/15/2005 08:35	
Surrogates(s)					
1,2-Dichloroethane-d4	111.6	73-130	%	05/15/2005 08:35	
Toluene-d8	102.6	81-114	%	05/15/2005 08:35	

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030B
Method Blank
MB: 2005/05/15-2B.66-031

Water

Test(s): 8260B
QC Batch # 2005/05/15-2B.66
Date Extracted: 05/15/2005 18:31

Compound	Conc.	RL	Unit	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/15/2005 18:31	
Surrogates(s)					
1,2-Dichloroethane-d4	89.8	73-130	%	05/15/2005 18:31	
Toluene-d8	99.8	81-114	%	05/15/2005 18:31	

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/05/14-2A.64**

LCS 2005/05/14-2A.64-033 Extracted: 05/14/2005 Analyzed: 05/14/2005 17:33
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)	27.6		25	110.4			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	539		500	107.8			73-130			
Toluene-d8	523		500	104.6			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/05/15-1A.64**

LCS 2005/05/15-1A.64-012 Extracted: 05/15/2005 Analyzed: 05/15/2005 08:12
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)	26.3		25	105.2			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	532		500	106.4			73-130			
Toluene-d8	514		500	102.8			81-114			

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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike **Water** **QC Batch # 2005/05/15-2B.66**

LCS 2005/05/15-2B.66-006 Extracted: 05/15/2005 Analyzed: 05/15/2005 18:06
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)	21.1		25	84.4			65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	420		500	84.0			73-130			
Toluene-d8	490		500	98.0			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

TRC Alton Geoscience- Irvine
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21 Technology Drive
Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/14-2A.64**

MS/MSD

Lab ID: 2005-05-0170 - 001

MS: 2005/05/14-2A.64-048 Extracted: 05/14/2005 Analyzed: 05/14/2005 18:48
Dilution: 1.00

MSD: 2005/05/14-2A.64-011 Extracted: 05/14/2005 Analyzed: 05/14/2005 19:11
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	26.4	26.9	ND	25	105.6	107.6	1.9	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	550	567		500	110.0	113.3		73-130			
Toluene-d8	495	505		500	99.0	100.9		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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21 Technology Drive
Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/15-1A.64**

MS/MSD

Lab ID: 2005-05-0167 - 001

MS: 2005/05/15-1A.64-033 Extracted: 05/15/2005 Analyzed: 05/15/2005 09:33
Dilution: 1.00

MSD: 2005/05/15-1A.64-055 Extracted: 05/15/2005 Analyzed: 05/15/2005 09:55
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	26.9	35.5	2.53	25	97.5	131.9	30.0	65-165	20		R1
Surrogate(s)											
1,2-Dichloroethane-d4	539	571		500	107.8	114.2		73-130			
Toluene-d8	514	525		500	102.8	105.0		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

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21 Technology Drive
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Phone: (949) 341-7440 Fax: (949) 753-0111

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Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/15-2B.66**

MS/MSD

Lab ID: 2005-05-0178 - 004

MS: 2005/05/15-2B.66-017 Extracted: 05/15/2005 Analyzed: 05/15/2005 20:17
Dilution: 1.00

MSD: 2005/05/15-2B.66-043 Extracted: 05/15/2005 Analyzed: 05/15/2005 20:43
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	23.9	26.9	ND	25	95.6	107.6	11.8	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	451	463		500	90.2	92.6		73-130			
Toluene-d8	484	492		500	96.8	98.4		81-114			

Metals

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Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/04/2005 06:05	Water	1
MW-5	05/04/2005 10:18	Water	2
MW-3	05/04/2005 10:41	Water	3
MW-9	05/04/2005 11:05	Water	4
MW-7	05/04/2005 11:31	Water	5
MW-6	05/04/2005 12:12	Water	6
MW-2	05/04/2005 12:42	Water	7

Metals

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

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Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-1**	Lab ID:	2005-05-0149 - 1
Sampled:	05/04/2005 06:05	Extracted:	5/11/2005 19:21
Matrix:	Water	QC Batch#:	2005/05/11-05.15

Analysis Flag: . (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.9	0.0050	mg/L	1.00	05/12/2005 13:04	

Metals

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Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-5**	Lab ID:	2005-05-0149 - 2
Sampled:	05/04/2005 10:18	Extracted:	5/11/2005 19:21
Matrix:	Water	QC Batch#:	2005/05/11-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.054	0.0050	mg/L	1.00	05/12/2005 13:08	

Metals

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Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-3**	Lab ID:	2005-05-0149 - 3
Sampled:	05/04/2005 10:41	Extracted:	5/11/2005 19:21
Matrix:	Water	QC Batch#:	2005/05/11-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.047	0.0050	mg/L	1.00	05/12/2005 13:11	

Metals

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-9**	Lab ID:	2005-05-0149 - 4
Sampled:	05/04/2005 11:05	Extracted:	5/11/2005 19:21
Matrix:	Water	QC Batch#:	2005/05/11-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	2.0	0.0050	mg/L	1.00	05/12/2005 13:14	

Metals

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-7**	Lab ID:	2005-05-0149 - 5
Sampled:	05/04/2005 11:31	Extracted:	5/11/2005 19:21
Matrix:	Water	QC Batch#:	2005/05/11-05.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.2	0.0050	mg/L	1.00	05/12/2005 13:18	

Metals

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Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-6**	Lab ID:	2005-05-0149 - 6
Sampled:	05/04/2005 12:12	Extracted:	5/12/2005 12:10
Matrix:	Water	QC Batch#:	2005/05/12-02.15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	1.6	0.0050	mg/L	1.00	05/12/2005 19:41	A2

Metals

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3010A	Test(s):	6010B
Sample ID:	**MW-2**	Lab ID:	2005-05-0149 - 7
Sampled:	05/04/2005 12:42	Extracted:	5/12/2005 12:10
Matrix:	Water	QC Batch#:	2005/05/12-02.15

Analysis Flag: . (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Manganese	0.42	0.0050	mg/L	1.00	05/12/2005 19:44	A2

Metals

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Project: 41050001/FA20
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Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 3010A — Test(s): 6010B

Method Blank — **Water** — **QC Batch # 2005/05/11-05.15**

MB: 2005/05/11-05.15-021 — Date Extracted: 05/11/2005 19:21

Compound	Conc.	RL	Unit	Analyzed	Flag
Manganese	ND	0.0050	mg/L	05/12/2005 11:41	

Metals

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 3010A — Test(s): 6010B

Method Blank — **Water** — **QC Batch # 2005/05/12-02.15**

MB: 2005/05/12-02.15-060 — Date Extracted: 05/12/2005 12:10

Compound	Conc.	RL	Unit	Analyzed	Flag
Manganese	0.00588	0.0050	mg/L	05/12/2005 19:08	A2

Metals

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike **Water** **QC Batch # 2005/05/11-05.15**

LCS 2005/05/11-05.15-022 Extracted: 05/11/2005 Analyzed: 05/12/2005 11:44
LCSD 2005/05/11-05.15-023 Extracted: 05/11/2005 Analyzed: 05/12/2005 11:48

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Manganese	0.512	0.514	0.500	102.4	102.8	0.4	80-120	20		

Metals

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 3010A

Test(s): 6010B

Laboratory Control Spike **Water** **QC Batch # 2005/05/12-02.15**

LCS 2005/05/12-02.15-061 Extracted: 05/12/2005 Analyzed: 05/12/2005 19:18
LCSD 2005/05/12-02.15-062 Extracted: 05/12/2005 Analyzed: 05/12/2005 19:22

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Manganese	0.503	0.501	0.500	100.6	100.2	0.4	80-120	20		

Metals

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Legend and Notes

Analysis Flag

-

Result Flag

A2

Analyte detected in Method Blank above the RL. Concentration detected in sample is greater than 10x the Method Blank result.

Gases by 3810M

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/04/2005 06:05	Water	1
MW-5	05/04/2005 10:18	Water	2
MW-3	05/04/2005 10:41	Water	3
MW-9	05/04/2005 11:05	Water	4
MW-7	05/04/2005 11:31	Water	5
MW-6	05/04/2005 12:12	Water	6
MW-2	05/04/2005 12:42	Water	7

Gases by 3810M

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3810	Test(s):	3810M
Sample ID:	**MW-1**	Lab ID:	2005-05-0149 - 1
Sampled:	05/04/2005 06:05	Extracted:	5/16/2005 16:55
Matrix:	Water	QC Batch#:	2005/05/16-01.37

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.1	ug/ml	10.00	05/16/2005 16:55	
Carbon Dioxide	51	20	ug/ml	10.00	05/16/2005 16:55	

Gases by 3810M

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3810	Test(s):	3810M
Sample ID:	**MW-5**	Lab ID:	2005-05-0149 - 2
Sampled:	05/04/2005 10:18	Extracted:	5/16/2005 18:50
Matrix:	Water	QC Batch#:	2005/05/16-01.37

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.1	ug/ml	10.00	05/16/2005 18:50	
Carbon Dioxide	28	20	ug/ml	10.00	05/16/2005 18:50	

Gases by 3810M

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3810	Test(s):	3810M
Sample ID:	**MW-3**	Lab ID:	2005-05-0149 - 3
Sampled:	05/04/2005 10:41	Extracted:	5/16/2005 18:14
Matrix:	Water	QC Batch#:	2005/05/16-01.37

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.1	ug/ml	10.00	05/16/2005 18:14	
Carbon Dioxide	120	20	ug/ml	10.00	05/16/2005 18:14	

Gases by 3810M

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Project: 41050001/FA20
Conoco Phillips #01106

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Prep(s):	3810	Test(s):	3810M
Sample ID:	**MW-9**	Lab ID:	2005-05-0149 - 4
Sampled:	05/04/2005 11:05	Extracted:	5/16/2005 18:37
Matrix:	Water	QC Batch#:	2005/05/16-01.37

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.1	ug/ml	10.00	05/16/2005 18:37	
Carbon Dioxide	75	20	ug/ml	10.00	05/16/2005 18:37	

Gases by 3810M

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Prep(s):	3810	Test(s):	3810M
Sample ID:	**MW-7**	Lab ID:	2005-05-0149 - 5
Sampled:	05/04/2005 11:31	Extracted:	5/16/2005 19:03
Matrix:	Water	QC Batch#:	2005/05/16-01.37

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.1	ug/ml	10.00	05/16/2005 19:03	
Carbon Dioxide	110	20	ug/ml	10.00	05/16/2005 19:03	

Gases by 3810M

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Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3810	Test(s):	3810M
Sample ID:	**MW-6**	Lab ID:	2005-05-0149 - 6
Sampled:	05/04/2005 12:12	Extracted:	5/16/2005 19:17
Matrix:	Water	QC Batch#:	2005/05/16-01.37

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.1	ug/ml	10.00	05/16/2005 19:17	
Carbon Dioxide	140	20	ug/ml	10.00	05/16/2005 19:17	

Gases by 3810M

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Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3810	Test(s):	3810M
Sample ID:	**MW-2**	Lab ID:	2005-05-0149 - 7
Sampled:	05/04/2005 12:42	Extracted:	5/16/2005 19:31
Matrix:	Water	QC Batch#:	2005/05/16-01.37

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Methane	ND	0.1	ug/ml	10.00	05/16/2005 19:31	
Carbon Dioxide	39	20	ug/ml	10.00	05/16/2005 19:31	

Gases by 3810M

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Project: 41050001/FA20
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Batch QC Report

Prep(s): 3810 Test(s): 3810M

Method Blank **Water** **QC Batch # 2005/05/16-01.37**

MB: 2005/05/16-01.37-001 Date Extracted: 05/16/2005 13:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Methane	ND	0.01	ug/ml	05/16/2005 12:45	
Carbon Dioxide	ND	2.0	ug/ml	05/16/2005 12:45	

Gases by 3810M

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Project: 41050001/FA20
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Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 3810 Test(s): 3810M

Laboratory Control Spike **Water** **QC Batch # 2005/05/16-01.37**

LCS 2005/05/16-01.37-002 Extracted: 05/16/2005 Analyzed: 05/16/2005 12:45
LCSD 2005/05/16-01.37-003 Extracted: 05/16/2005 Analyzed: 05/16/2005 13:01

Compound	Conc. ug/ml		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Methane	0.0643	0.0642	0.0721	89.2	89.0	0.2	65-135	35		

Gases by 3810M

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Project: 41050001/FA20
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Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 3810 Test(s): 3810M

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/16-01.37**

MS/MSD Lab ID: 2005-05-0276 - 003

MS: 2005/05/16-01.37-004 Extracted: 05/16/2005 Analyzed: 05/16/2005 15:25
Dilution: 1.00

MSD: 2005/05/16-01.37-005 Extracted: 05/16/2005 Analyzed: 05/16/2005 15:40
Dilution: 1.00

Compound	Conc. ug/ml			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/ml	MS	MSD	RPD	Rec.	RPD	MS	MSD
Methane	0.0678	0.0666	ND	0.0721	94.0	92.4	1.7	65-135	35		

Gases by 3810M

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Ferrous Iron by SM 3500-Fe B

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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

Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/04/2005 06:05	Water	1
MW-5	05/04/2005 10:18	Water	2
MW-3	05/04/2005 10:41	Water	3
MW-9	05/04/2005 11:05	Water	4
MW-7	05/04/2005 11:31	Water	5
MW-6	05/04/2005 12:12	Water	6
MW-2	05/04/2005 12:42	Water	7

Ferrous Iron by SM 3500-Fe B

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

Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**MW-1**	Lab ID:	2005-05-0149 - 1
Sampled:	05/04/2005 06:05	Extracted:	5/5/2005 10:30
Matrix:	Water	QC Batch#:	2005/05/05-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.078	0.050	mg/L	1.00	05/05/2005 10:30	H2

Ferrous Iron by SM 3500-Fe B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**MW-5**	Lab ID:	2005-05-0149 - 2
Sampled:	05/04/2005 10:18	Extracted:	5/5/2005 10:30
Matrix:	Water	QC Batch#:	2005/05/05-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.064	0.050	mg/L	1.00	05/05/2005 10:30	H2

Ferrous Iron by SM 3500-Fe B

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Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**MW-3**	Lab ID:	2005-05-0149 - 3
Sampled:	05/04/2005 10:41	Extracted:	5/5/2005 10:30
Matrix:	Water	QC Batch#:	2005/05/05-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.050	mg/L	1.00	05/05/2005 10:30	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**MW-9**	Lab ID:	2005-05-0149 - 4
Sampled:	05/04/2005 11:05	Extracted:	5/5/2005 10:30
Matrix:	Water	QC Batch#:	2005/05/05-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.11	0.050	mg/L	1.00	05/05/2005 10:30	

Ferrous Iron by SM 3500-Fe B

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Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**MW-7**	Lab ID:	2005-05-0149 - 5
Sampled:	05/04/2005 11:31	Extracted:	5/5/2005 10:30
Matrix:	Water	QC Batch#:	2005/05/05-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	0.50	0.050	mg/L	1.00	05/05/2005 10:30	

Ferrous Iron by SM 3500-Fe B

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Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**MW-6**	Lab ID:	2005-05-0149 - 6
Sampled:	05/04/2005 12:12	Extracted:	5/5/2005 10:30
Matrix:	Water	QC Batch#:	2005/05/05-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	1.3	0.050	mg/L	1.00	05/05/2005 10:30	

Ferrous Iron by SM 3500-Fe B

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Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	3500 Fe B	Test(s):	SM 3500-Fe B
Sample ID:	**MW-2**	Lab ID:	2005-05-0149 - 7
Sampled:	05/04/2005 12:42	Extracted:	5/5/2005 10:30
Matrix:	Water	QC Batch#:	2005/05/05-01.72

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Ferrous Iron	ND	0.050	mg/L	1.00	05/05/2005 10:30	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 3500 Fe B
Test(s): SM 3500-Fe B

Method Blank **Water** **QC Batch # 2005/05/05-01.72**

MB: 2005/05/05-01.72-001
Date Extracted: 05/05/2005 10:30

Compound	Conc.	RL	Unit	Analyzed	Flag
Ferrous Iron	ND	0.01	mg/L	05/05/2005 10:30	

Ferrous Iron by SM 3500-Fe B

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 3500 Fe B

Test(s): SM 3500-Fe B

Laboratory Control Spike **Water** **QC Batch # 2005/05/05-01.72**

LCS 2005/05/05-01.72-002 Extracted: 05/05/2005 Analyzed: 05/05/2005 10:30
LCSD 2005/05/05-01.72-003 Extracted: 05/05/2005 Analyzed: 05/05/2005 10:30

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Ferrous Iron	0.982	0.989	1.0	98.2	98.9	0.7	80-120	20		

Ferrous Iron by SM 3500-Fe B

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Irvine, CA 92718
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Legend and Notes

Result Flag

H2

Analyzed out of holding time.

Alkalinity (Total)

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/04/2005 06:05	Water	1
MW-5	05/04/2005 10:18	Water	2
MW-3	05/04/2005 10:41	Water	3
MW-9	05/04/2005 11:05	Water	4
MW-7	05/04/2005 11:31	Water	5
MW-6	05/04/2005 12:12	Water	6
MW-2	05/04/2005 12:42	Water	7

Alkalinity (Total)

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	**MW-1**	Lab ID:	2005-05-0149 - 1
Sampled:	05/04/2005 06:05	Extracted:	5/18/2005 00:00
Matrix:	Water	QC Batch#:	2005/05/18-02.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Bicarbonate (as CaCO3)	28	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity (Total)	28	5.0	mg/L	1.00	05/18/2005	

Alkalinity (Total)

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	**MW-5**	Lab ID:	2005-05-0149 - 2
Sampled:	05/04/2005 10:18	Extracted:	5/18/2005 00:00
Matrix:	Water	QC Batch#:	2005/05/18-02.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Bicarbonate (as CaCO3)	19	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity (Total)	19	5.0	mg/L	1.00	05/18/2005	

Alkalinity (Total)

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	**MW-3**	Lab ID:	2005-05-0149 - 3
Sampled:	05/04/2005 10:41	Extracted:	5/18/2005 00:00
Matrix:	Water	QC Batch#:	2005/05/18-02.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Bicarbonate (as CaCO3)	12	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity (Total)	12	5.0	mg/L	1.00	05/18/2005	

Alkalinity (Total)

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	**MW-9**	Lab ID:	2005-05-0149 - 4
Sampled:	05/04/2005 11:05	Extracted:	5/18/2005 00:00
Matrix:	Water	QC Batch#:	2005/05/18-02.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Bicarbonate (as CaCO3)	61	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity (Total)	61	5.0	mg/L	1.00	05/18/2005	

Alkalinity (Total)

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	**MW-7**	Lab ID:	2005-05-0149 - 5
Sampled:	05/04/2005 11:31	Extracted:	5/18/2005 00:00
Matrix:	Water	QC Batch#:	2005/05/18-02.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Bicarbonate (as CaCO3)	50	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity (Total)	50	5.0	mg/L	1.00	05/18/2005	

Alkalinity (Total)

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	**MW-6**	Lab ID:	2005-05-0149 - 6
Sampled:	05/04/2005 12:12	Extracted:	5/18/2005 00:00
Matrix:	Water	QC Batch#:	2005/05/18-02.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Bicarbonate (as CaCO3)	60	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity (Total)	60	5.0	mg/L	1.00	05/18/2005	

Alkalinity (Total)

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Project: 41050001/FA20
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Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	SM2320B	Test(s):	SM2320B
Sample ID:	**MW-2**	Lab ID:	2005-05-0149 - 7
Sampled:	05/04/2005 12:42	Extracted:	5/18/2005 00:00
Matrix:	Water	QC Batch#:	2005/05/18-02.58

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Alkalinity, Carbonate (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Bicarbonate (as CaCO3)	28	5.0	mg/L	1.00	05/18/2005	
Alkalinity, Hydroxide (as CaCO3)	ND	5.0	mg/L	1.00	05/18/2005	
Alkalinity (Total)	28	5.0	mg/L	1.00	05/18/2005	

Alkalinity (Total)

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): SM2320B
Test(s): SM2320B

Method Blank **Water** **QC Batch # 2005/05/18-02.58**

MB: 2005/05/18-02.58-001
Date Extracted: 05/18/2005

Compound	Conc.	RL	Unit	Analyzed	Flag
Alkalinity (Total)	ND	5.0	mg/L	05/18/2005	

Alkalinity (Total)

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): SM2320B

Test(s): SM2320B

Laboratory Control Spike **Water** **QC Batch # 2005/05/18-02.58**

LCS 2005/05/18-02.58-002 Extracted: 05/18/2005 Analyzed: 05/18/2005
LCSD 2005/05/18-02.58-003 Extracted: 05/18/2005 Analyzed: 05/18/2005

Compound	Conc. mg/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Alkalinity (Total)	2350	2400	2500	94.0	96.0	2.1	80-120	20		

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-1	05/04/2005 06:05	Water	1
MW-5	05/04/2005 10:18	Water	2
MW-3	05/04/2005 10:41	Water	3
MW-9	05/04/2005 11:05	Water	4
MW-7	05/04/2005 11:31	Water	5
MW-6	05/04/2005 12:12	Water	6
MW-2	05/04/2005 12:42	Water	7

Gas/BTEX Compounds by 8015M/8021

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Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-1**	Lab ID:	2005-05-0149 - 1
Sampled:	05/04/2005 06:05	Extracted:	5/16/2005 20:29
Matrix:	Water	QC Batch#:	2005/05/16-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/16/2005 20:29	
Benzene	ND	0.50	ug/L	1.00	05/16/2005 20:29	
Toluene	ND	0.50	ug/L	1.00	05/16/2005 20:29	
Ethyl benzene	ND	0.50	ug/L	1.00	05/16/2005 20:29	
Xylene(s)	ND	0.50	ug/L	1.00	05/16/2005 20:29	
Surrogate(s)						
Trifluorotoluene	97.0	58-124	%	1.00	05/16/2005 20:29	
4-Bromofluorobenzene-FID	88.5	50-150	%	1.00	05/16/2005 20:29	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-5**	Lab ID:	2005-05-0149 - 2
Sampled:	05/04/2005 10:18	Extracted:	5/16/2005 21:02
Matrix:	Water	QC Batch#:	2005/05/16-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/16/2005 21:02	
Benzene	ND	0.50	ug/L	1.00	05/16/2005 21:02	
Toluene	ND	0.50	ug/L	1.00	05/16/2005 21:02	
Ethyl benzene	ND	0.50	ug/L	1.00	05/16/2005 21:02	
Xylene(s)	ND	0.50	ug/L	1.00	05/16/2005 21:02	
Surrogate(s)						
Trifluorotoluene	96.2	58-124	%	1.00	05/16/2005 21:02	
4-Bromofluorobenzene-FID	89.7	50-150	%	1.00	05/16/2005 21:02	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-3**	Lab ID:	2005-05-0149 - 3
Sampled:	05/04/2005 10:41	Extracted:	5/16/2005 21:35
Matrix:	Water	QC Batch#:	2005/05/16-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/16/2005 21:35	
Benzene	ND	0.50	ug/L	1.00	05/16/2005 21:35	
Toluene	ND	0.50	ug/L	1.00	05/16/2005 21:35	
Ethyl benzene	ND	0.50	ug/L	1.00	05/16/2005 21:35	
Xylene(s)	ND	0.50	ug/L	1.00	05/16/2005 21:35	
Surrogate(s)						
Trifluorotoluene	97.1	58-124	%	1.00	05/16/2005 21:35	
4-Bromofluorobenzene-FID	90.0	50-150	%	1.00	05/16/2005 21:35	

Gas/BTEX Compounds by 8015M/8021

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-9**	Lab ID:	2005-05-0149 - 4
Sampled:	05/04/2005 11:05	Extracted:	5/16/2005 22:08
Matrix:	Water	QC Batch#:	2005/05/16-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/16/2005 22:08	
Benzene	ND	0.50	ug/L	1.00	05/16/2005 22:08	
Toluene	ND	0.50	ug/L	1.00	05/16/2005 22:08	
Ethyl benzene	ND	0.50	ug/L	1.00	05/16/2005 22:08	
Xylene(s)	ND	0.50	ug/L	1.00	05/16/2005 22:08	
Surrogate(s)						
Trifluorotoluene	98.0	58-124	%	1.00	05/16/2005 22:08	
4-Bromofluorobenzene-FID	89.3	50-150	%	1.00	05/16/2005 22:08	

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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-7**	Lab ID:	2005-05-0149 - 5
Sampled:	05/04/2005 11:31	Extracted:	5/16/2005 23:47 5/18/2005 13:15
Matrix:	Water	QC Batch#:	2005/05/16-01.05 2005/05/18-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/16/2005 23:47	
Benzene	ND	0.50	ug/L	1.00	05/18/2005 13:15	
Toluene	ND	0.50	ug/L	1.00	05/18/2005 13:15	
Ethyl benzene	ND	0.50	ug/L	1.00	05/18/2005 13:15	
Xylene(s)	ND	0.50	ug/L	1.00	05/18/2005 13:15	
Surrogate(s)						
Trifluorotoluene	102.3	58-124	%	1.00	05/18/2005 13:15	
4-Bromofluorobenzene-FID	94.1	50-150	%	1.00	05/16/2005 23:47	

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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-6**	Lab ID:	2005-05-0149 - 6
Sampled:	05/04/2005 12:12	Extracted:	5/17/2005 00:20 5/18/2005 14:53
Matrix:	Water	QC Batch#:	2005/05/16-01.05 2005/05/18-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	05/17/2005 00:20	
Benzene	ND	0.50	ug/L	1.00	05/18/2005 14:53	
Toluene	ND	0.50	ug/L	1.00	05/18/2005 14:53	
Ethyl benzene	ND	0.50	ug/L	1.00	05/18/2005 14:53	
Xylene(s)	1.1	0.50	ug/L	1.00	05/18/2005 14:53	
Surrogate(s)						
Trifluorotoluene	109.0	58-124	%	1.00	05/18/2005 14:53	
4-Bromofluorobenzene-FID	90.1	50-150	%	1.00	05/17/2005 00:20	

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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Prep(s):	5030 5030	Test(s):	8015M 8021B
Sample ID:	**MW-2**	Lab ID:	2005-05-0149 - 7
Sampled:	05/04/2005 12:42	Extracted:	5/17/2005 00:54 5/18/2005 15:26
Matrix:	Water	QC Batch#:	2005/05/16-01.05 2005/05/18-01.05

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	110	50	ug/L	1.00	05/17/2005 00:54	Q1
Benzene	27	0.50	ug/L	1.00	05/18/2005 15:26	
Toluene	6.5	0.50	ug/L	1.00	05/18/2005 15:26	
Ethyl benzene	0.65	0.50	ug/L	1.00	05/18/2005 15:26	
Xylene(s)	7.7	0.50	ug/L	1.00	05/18/2005 15:26	
Surrogate(s)						
Trifluorotoluene	114.1	58-124	%	1.00	05/18/2005 15:26	
4-Bromofluorobenzene-FID	91.9	50-150	%	1.00	05/17/2005 00:54	

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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030
5030

Test(s): 8015M
8021B

Method Blank **Water** **QC Batch # 2005/05/16-01.05**

MB: 2005/05/16-01.05-001

Date Extracted: 05/16/2005 09:50

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	05/16/2005 09:50	
Benzene	ND	0.5	ug/L	05/16/2005 09:50	
Toluene	ND	0.5	ug/L	05/16/2005 09:50	
Ethyl benzene	ND	0.5	ug/L	05/16/2005 09:50	
Xylene(s)	ND	0.5	ug/L	05/16/2005 09:50	
Surrogates(s)					
Trifluorotoluene	102.8	58-124	%	05/16/2005 09:50	
4-Bromofluorobenzene-FID	93.4	50-150	%	05/16/2005 09:50	

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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

Prep(s): 5030
5030

Test(s): 8015M
8021B

Method Blank **Water** **QC Batch # 2005/05/18-01.05**

MB: 2005/05/18-01.05-004

Date Extracted: 05/18/2005 11:26

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	05/18/2005 11:26	
Benzene	ND	0.5	ug/L	05/18/2005 11:26	
Toluene	ND	0.5	ug/L	05/18/2005 11:26	
Ethyl benzene	ND	0.5	ug/L	05/18/2005 11:26	
Xylene(s)	ND	0.5	ug/L	05/18/2005 11:26	
Surrogates(s)					
Trifluorotoluene	105.8	58-124	%	05/18/2005 11:26	
4-Bromofluorobenzene-FID	89.8	50-150	%	05/18/2005 11:26	

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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2005/05/16-01.05**

LCS 2005/05/16-01.05-002 Extracted: 05/16/2005 Analyzed: 05/16/2005 10:24
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	45.8		50.0	91.6			77-123	20		
Toluene	47.6		50.0	95.2			78-122	20		
Ethyl benzene	50.0		50.0	100.0			70-130	20		
Xylene(s)	153		150	102.0			75-125	20		
Surrogates(s)										
Trifluorotoluene	513		500	102.6			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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2005/05/16-01.05**

LCS 2005/05/16-01.05-003 Extracted: 05/16/2005 Analyzed: 05/16/2005 10:57
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
GRO (C6-C12)	203		250	81.2			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	461		500	92.2			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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2005/05/18-01.05**

LCS 2005/05/18-01.05-005 Extracted: 05/18/2005 Analyzed: 05/18/2005 11:58
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
Benzene	50.9		50.0	101.8			77-123	20		
Toluene	52.3		50.0	104.6			78-122	20		
Ethyl benzene	52.9		50.0	105.8			70-130	20		
Xylene(s)	153		150	102.0			75-125	20		
Surrogates(s)										
Trifluorotoluene	519		500	103.8			58-124			

Gas/BTEX Compounds by 8015M/8021

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21 Technology Drive
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

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

Laboratory Control Spike **Water** **QC Batch # 2005/05/18-01.05**

LCS 2005/05/18-01.05-006 Extracted: 05/18/2005 Analyzed: 05/18/2005 12:31
LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD	%	Rec.	RPD	LCS	LCSD
GRO (C6-C12)	223		250	89.2			75-125	20		
Surrogates(s)										
4-Bromofluorobenzene-FID	472		500	94.4			50-150			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

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

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/16-01.05**

MS/MSD Lab ID: 2005-05-0262 - 009

MS: 2005/05/16-01.05-007 Extracted: 05/16/2005 Analyzed: 05/16/2005 13:45
Dilution: 2.00

MSD: 2005/05/16-01.05-008 Extracted: 05/16/2005 Analyzed: 05/16/2005 14:18
Dilution: 2.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	82.6	85.4	1.46	100.0	81.1	83.9	3.4	65-135	20		
Toluene	86.7	87.3	0.640	100.0	86.1	87.3	1.4	65-135	20		
Ethyl benzene	95.4	94.2	5.71	100.0	89.7	88.5	1.3	65-135	20		
Xylene(s)	276	273		300.0	92.0	91.0	1.1	65-135	20		
Surrogate(s)											
Trifluorotoluene	447	441		500	89.4	88.2		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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

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

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/16-01.05**

MS/MSD Lab ID: 2005-05-0263 - 001

MS: 2005/05/16-01.05-009 Extracted: 05/16/2005 Analyzed: 05/16/2005 14:51
Dilution: 2.00

MSD: 2005/05/16-01.05-010 Extracted: 05/16/2005 Analyzed: 05/16/2005 15:24
Dilution: 2.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
GRO (C6-C12)	371	383	279	250	36.8	41.6	12.2	65-135	20	M5	M5
Surrogate(s)											
4-Bromofluorobenzene-FID	559	577		500	111.8	115.4		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: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Batch QC Report

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

Matrix Spike (MS / MSD) **Water** **QC Batch # 2005/05/18-01.05**

MW-7 >> MS Lab ID: 2005-05-0149 - 005

MS: 2005/05/18-01.05-008 Extracted: 05/18/2005 Analyzed: 05/18/2005 13:48
Dilution: 1.00

MSD: 2005/05/18-01.05-009 Extracted: 05/18/2005 Analyzed: 05/18/2005 14:20
Dilution: 1.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample	ug/L	MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	48.0	52.7	ND	50.0	96.0	105.4	9.3	65-135	20		
Toluene	48.6	53.3	ND	50.0	97.2	106.6	9.2	65-135	20		
Ethyl benzene	49.8	54.5	ND	50.0	99.6	109.0	9.0	65-135	20		
Xylene(s)	144	158	ND	150	96.0	105.3	9.2	65-135	20		
Surrogate(s)											
Trifluorotoluene	520	539		500	104.0	107.8		58-124			

Gas/BTEX Compounds by 8015M/8021

TRC Alton Geoscience- Irvine
Attn.: Anju Farfan

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Project: 41050001/FA20
Conoco Phillips #01106

Received: 05/05/2005 09:25

Site: 1693 Central Ave., Mckinleyville

Legend and Notes

Result Flag

M5

MS/MSD spike recoveries were below acceptance limits.
See blank spike (LCS).

Q1

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

California State Certified Laboratory No 2153

CERCO analytical, inc.

3942-A Valley Avenue
Pleasanton, CA 94566-4715
Tel: 925.462.2771
Fax: 925.462.2775

Ms. Tina Totorica
STL San Francisco
1220 Quarry Lane, #C
Pleasanton, CA 94566-4756

Sample Source:
Project No.: 2005-05-0149
Project Name: T0602300436 (Conoco Phillips #01106)
Date Sampled: 05/04/05
Date Received: 05/05/05
Matrix: Water

11 May, 2005
Job No.0505038
Sample No.001-007
Cust. No.10176

Analyte	Results	Detection Limit	Method	Date Analyzed
Lab No.001 Sample I.D.: MW-1 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	05/05-10/05
Lab No.002 Sample I.D.: MW-5 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	05/05-10/05
Lab No.003 Sample I.D.: MW-3 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	05/05-10/05
Lab No.004 Sample I.D.: MW-9 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	05/05-10/05
Lab No.005 Sample I.D.: MW-7 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	05/05-10/05
Lab No.006 Sample I.D.: MW-6 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B	05/05-10/05
Lab No.007 Sample I.D.: MW-2 Biochemical Oxygen Demand	<6	6 mg/L	SM 5210 B.	05/05-10/05

Cheryl McMillen
Laboratory Director

QUALITY CONTROL DATA - Biochemical Oxygen Demand (BOD)
Standard Method No.5210 B.
Date Analyzed: May 05-10, 2005

Laboratory Control Sample Summary

	Blank Result	True Value	Recovery (mg/L) LCS	LCSD	Relative Percent Difference
BOD (mg/L):	N.D.	198	225	223	0.9
Reporting Limit (mg/L):	6				
QC Limits:			166-230		25

SEVERN TRENT STL

Chain of Custody

Date Shipped: 5/5/2005

2005-05-0149 - 1

CA 0505038

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:

Cerco Analytical - SUB CONTRACT ONLY
3942 Valley Avenue, Suite A
Pleasanton, CA 94566

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

Phone: (925) 462-2771 Ext:
Fax: (925) 462-2775
Contact: Darlene Langford
Phone: (925) 462-2771 Ext:

CL Submission #: 2005-05-0149
CL PO #:

Project #: 41050001/FA20
Project Name: Conoco Phillips #01106
EDF Global ID: T0602300436

	Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
1	MW-1	1	5/4/2005 6:05:00AM	Water	
	EDF Field ID: MW-1				
	Subcontract - BOD			SM5210B	10 Day
2	MW-5	2	5/4/2005 10:18:00AM	Water	
	EDF Field ID: MW-5				
	Subcontract - BOD			SM5210B	10 Day
3	MW-3	3	5/4/2005 10:41:00AM	Water	
	EDF Field ID: MW-3				
	Subcontract - BOD			SM5210B	10 Day
4	MW-9	4	5/4/2005 11:05:00AM	Water	
	EDF Field ID: MW-9				
	Subcontract - BOD			SM5210B	10 Day
5	MW-7	5	5/4/2005 11:31:00AM	Water	
	EDF Field ID: MW-7				
	Subcontract - BOD			SM5210B	10 Day
6	MW-6	6	5/4/2005 12:12:00PM	Water	
	EDF Field ID: MW-6				
	Subcontract - BOD			SM5210B	10 Day

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Joan Muller Time: 1050	Signature: Time:	Signature: Time:
Printed Name: Joan Muller Date: 5-5-05	Printed Name: Date: 10:51	Printed Name: Date:
Company: STL SF	Company: 5/5/05 STL SF	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: Time: 1050	Signature:	Signature: Time:
Printed Name: Date: 5-5-05	Printed Name: Date: 5/5/05	Printed Name: Date:
Company: STL SF	Company: 1059	Company:

SEVERN TRENT STL

Chain of Custody

Date Shipped: 5/5/2005

2005-05-0149 - 1

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

CA 0505038

To:

Cerco Analytical - SUB CONTRACT ONLY
3942 Valley Avenue, Suite A
Pleasanton, CA 94566

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

Phone: (925) 462-2771 Ext:
Fax: (925) 462-2775
Contact: Darlene Langford
Phone: (925) 462-2771 Ext:

CL Submission #: 2005-05-0149
CL PO #:

Project #: 41050001/FA20
Project Name: Conoco Phillips #01106
EDF Global ID: T0602300436

Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
MW-2	7	5/4/2005 12:42:00PM	Water	
EDF Field ID: MW-2				
Subcontract - BOD			SM5210B	10 Day

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature / Time: 1055	Signature / Time	Signature / Time
Printed Name / Date: 5/5/5	Printed Name / Date	Printed Name / Date
Company: STL SF	Company	Company

RECEIVED BY:	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature	Signature / Time	Signature / Time
Printed Name / Date: 5/5/05	Printed Name / Date	Printed Name / Date
Company: 1059	Company	Company

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES ANALYTICAL REPORT

JOB NUMBER: 236382

Prepared For:

Severn Trent Laboratories
1220 Quarry Lane
Pleasanton, CA 94566-4756

Project: STL San Francisco

Attention: Dimple Sharma

Date: 05/18/2005

Signature

Name: Bonnie M. Stadelmann

Title: Project Manager

E-Mail: bstadelmann@stl-inc.com

Date 05/18/05

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (15) Pages

STL Chicago is part of Severn Trent Laboratories, Inc.

SAMPLE INFORMATION
Date: 05/18/2005

Job Number.: 236382
Customer...: Severn Trent Laboratories
Attn.....: Dimple Sharma

Project Number.....: 20002032
Customer Project ID....: 2005-05-0149
Project Description....: STL San Francisco

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
236382-1	MW-1	Water	05/04/2005	06:05	05/06/2005	09:00
236382-2	MW-5	Water	05/04/2005	10:18	05/06/2005	09:00
236382-3	MW-3	Water	05/04/2005	10:41	05/06/2005	09:00
236382-4	MW-9	Water	05/04/2005	11:05	05/06/2005	09:00
236382-5	MW-7	Water	05/04/2005	11:31	05/06/2005	09:00
236382-6	MW-6	Water	05/04/2005	12:12	05/06/2005	09:00
236382-7	MW-2	Water	05/04/2005	12:42	05/06/2005	09:00

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 236382

Date: 05/18/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-05-0149 ATTN: Dimple Sharma

Customer Sample ID: MW-1
Date Sampled.....: 05/04/2005
Time Sampled.....: 06:05
Sample Matrix.....: Water

Laboratory Sample ID: 236382-1
Date Received.....: 05/06/2005
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	9.0	5.0	mg/L	05/18/05	rnm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 236382

Date: 05/18/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-05-0149 ATTN: Dimple Sharma

Customer Sample ID: MW-5
Date Sampled.....: 05/04/2005
Time Sampled.....: 10:18
Sample Matrix.....: Water

Laboratory Sample ID: 236382-2
Date Received.....: 05/06/2005
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	5.3	5.0	mg/L	05/18/05	rnm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 236382

Date: 05/18/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-05-0149 ATTN: Dimple Sharma

Customer Sample ID: MW-3
Date Sampled.....: 05/04/2005
Time Sampled.....: 10:41
Sample Matrix.....: Water

Laboratory Sample ID: 236382-3
Date Received.....: 05/06/2005
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	11	5.0	mg/L	05/18/05	rnm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236382

Date: 05/18/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-05-0149 ATTN: Dimple Sharma

Customer Sample ID: MW-9
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 236382-4
Date Received.....: 05/06/2005
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	21	5.0	mg/L	05/18/05	rnm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236382

Date: 05/18/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-05-0149 ATTN: Dimple Sharma

Customer Sample ID: MW-7
Date Sampled.....: 05/04/2005
Time Sampled.....: 11:31
Sample Matrix.....: Water

Laboratory Sample ID: 236382-5
Date Received.....: 05/06/2005
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	9.5	5.0	mg/L	05/18/05	rnm

* In Description = Dry Wgt.

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LABORATORY TEST RESULTS

Job Number: 236382

Date: 05/18/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-05-0149 ATTN: Dimple Sharma

Customer Sample ID: MW-6
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:12
Sample Matrix.....: Water

Laboratory Sample ID: 236382-6
Date Received.....: 05/06/2005
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	27	5.0	mg/L	05/18/05	rnm

* In Description = Dry Wgt.

STL Chicago is part of Severn Trent Laboratories, Inc.

LABORATORY TEST RESULTS

Job Number: 236382

Date: 05/18/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-05-0149 ATTN: Dimple Sharma

Customer Sample ID: MW-2
Date Sampled.....: 05/04/2005
Time Sampled.....: 12:42
Sample Matrix.....: Water

Laboratory Sample ID: 236382-7
Date Received.....: 05/06/2005
Time Received.....: 09:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
HACH 8000	Chemical Oxygen Demand (HACH) Chemical Oxygen Demand (COD)	13	5.0	mg/L	05/18/05	rnm

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 236382

Date: 05/18/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-05-0149 ATTN: Dimple Sharma

Lab ID: 236382-1 Client ID: MW-1

Date Recvd: 05/06/2005 Sample Date: 05/04/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	149133	149133	05/18/2005 1203	
PKG INO (WC)	PKG INO (WET CHEMISTRY)	1				

Lab ID: 236382-2 Client ID: MW-5

Date Recvd: 05/06/2005 Sample Date: 05/04/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	149133	149133	05/18/2005 1204	

Lab ID: 236382-3 Client ID: MW-3

Date Recvd: 05/06/2005 Sample Date: 05/04/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	149133	149133	05/18/2005 1205	

Lab ID: 236382-4 Client ID: MW-9

Date Recvd: 05/06/2005 Sample Date: 05/04/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	149133	149133	05/18/2005 1206	

Lab ID: 236382-5 Client ID: MW-7

Date Recvd: 05/06/2005 Sample Date: 05/04/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	149133	149133	05/18/2005 1208	

Lab ID: 236382-6 Client ID: MW-6

Date Recvd: 05/06/2005 Sample Date: 05/04/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	149133	149133	05/18/2005 1209	

Lab ID: 236382-7 Client ID: MW-2

Date Recvd: 05/06/2005 Sample Date: 05/04/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
HACH 8000	Chemical Oxygen Demand (HACH)	1	149133	149133	05/18/2005 1210	

QUALITY CONTROL RESULTS

Job Number.: 236382

Report Date.: 05/18/2005

CUSTOMER: Severn Trent Laboratories PROJECT: 2005-05-0149 ATTN: Dimple Sharma

Test Method.....: HACH 8000
Method Description.: Chemical Oxygen Demand (HACH)
Parameter.....: Chemical Oxygen Demand (COD)

Batch.....: 149133
Equipment Code....:

Analyst...: fnm
Test Code.: COD

QC	Lab ID	Reagent	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	149133-001		mg/L	3.60000 U								05/18/2005	1200
LCS	149133-002	I05DSTCD1A	mg/L	46.32000		50.00000		93		%	80-120	05/18/2005	1201

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the stated limit.
< Not detected at or above the reporting limit.
J Result is less than the RL, but greater than or equal to the method detection limit.
B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.
F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

- ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U Analyte was not detected at or above the stated limit.
ND Compound not detected.
J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q Result was qualitatively confirmed, but not quantified.
C Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.
F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B MB: Batch QC is greater than reporting limit.
* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
- EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A Concentration exceeds the instrument calibration range
a Concentration is below the method Reporting Limit (RL)
B Compound was found in the blank and sample.
D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H Alternate peak selection upon analytical review
I Indicates the presence of an interfence, recovery is not calculated.
M Manually integrated compound.
P The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "S" added to the current abbreviation used. EX. LCS S=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting limit. The control limit is represented as +/- the RL.

236382

SEVERN TRENT STL

Chain of Custody

Date Shipped: 5/5/2005

2005-05-0149 - 2

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:

STL Chicago
2417 Bond Street
University Park, IL 60466

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax: (925) 484-1096
Email: dsharma@stl-inc.com

Phone: (708) 534-5200 Ext:
Fax: (708) 534-5211
Contact: Bonnie Stadelmann
Phone: (708) 534-5200 Ext: 154

CL Submission #: 2005-05-0149
CL PO #:

Project #: 41050001/FA20
Project Name: Conoco Phillips #01106
EDF Global ID: T0602300436

	Client Sample ID / Analysis	Cont.	Sampled	Matrix / Method	TAT
1	MW-1	1	5/4/2005 6:05:00AM	Water	
	EDF Field ID: MW-1				
	Subcontract - COD			410.4	5 Day
2	MW-5	2	5/4/2005 10:18:00AM	Water	
	EDF Field ID: MW-5				
	Subcontract - COD			410.4	5 Day
3	MW-3	3	5/4/2005 10:41:00AM	Water	
	EDF Field ID: MW-3				
	Subcontract - COD			410.4	5 Day
4	MW-9	4	5/4/2005 11:05:00AM	Water	
	EDF Field ID: MW-9				
	Subcontract - COD			410.4	5 Day
5	MW-7	5	5/4/2005 11:31:00AM	Water	
	EDF Field ID: MW-7				
	Subcontract - COD			410.4	5 Day
6	MW-6	6	5/4/2005 12:12:00PM	Water	
	EDF Field ID: MW-6				
	Subcontract - COD			410.4	5 Day

Due 5-18-05

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 15:30	Signature: Time:	Signature: Time:
Printed Name: Bryan Thomas Date: 5/5/05	Printed Name: Date:	Printed Name: Date:
Company: STL-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 0900	Signature: Time:	Signature: Time:
Printed Name: Date: 5/6/05	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Company:

236382

SEVERN TRENT STL

Date Shipped: 5/5/2005

Chain of Custody

2005-05-0149 - 2

From:

STL San Francisco (CL)
1220 Quarry Lane
Pleasanton, CA 94566-4756

To:

STL Chicago
2417 Bond Street
University Park, IL 60466

Project Manager: Dimple Sharma
Phone: (925) 484-1919 Ext:
Fax (925) 484-1096
Email: dsharma@stl-inc.com

Phone: (708) 534-5200 Ext:
Fax: (708) 534-5211
Contact: Bonnie Stadelmann
Phone: (708) 534-5200 Ext: 154

CL Submission #: 2005-05-0149
CL PO #:

Project #: 41050001/FA20
Project Name: Conoco Phillips #01106
EDF Global ID: T0602300436

	Client Sample ID / Analysis	CL#	Sampled	Matrix / Method	TAT
7	MW-2	7	5/4/2005 12:42:00PM	Water	
	EDF Field ID: MW-2				
	Subcontract - COD			410.4	5 Day

Due 5-18-05

PLEASE INCLUDE QC WITH FAXED AND HARD-COPY RESULTS

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 15:30	Signature: Time:	Signature: Time:
Printed Name: Bryan Thomas Date: 5/5/05	Printed Name: Date:	Printed Name: Date:
Company: STL-SF	Company:	Company:

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 0900	Signature: Time:	Signature: Time:
Printed Name: Date: 5/6/05	Printed Name: Date:	Printed Name: Date:
Company:	Company:	Company:

STL-San Francisco

1220 Quarry Lane

Pleasanton, CA 94566

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

ConocoPhillips Chain Of Custody Record

114813

ConocoPhillips Site Manager:

INVOICE REMITTANCE ADDRESS:

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

2005-05-0149

ConocoPhillips Work Order Number: 2021TRC501

ConocoPhillips Cost Object:

DATE: 05-04-05

PAGE 1 of 1

SAMPLING COMPANY: TRC

Valid Value ID:

CONOCOPHILLIPS SITE NUMBER: 01106

GLOBAL ID NO.: T0602360436

ADDRESS: 21 Technology Drive, Irvine CA 92618

SITE ADDRESS (Street and City): 1693 Central Ave. McKinleyville

CONOCOPHILLIPS SITE MANAGER: Thomas Kosel

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): Anthony

CONSULTANT PROJECT NUMBER: 41050001/FA20

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

Short hold times

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

* 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 by 8021	MTBE by 8260B	CO2	Methane	Nitrate	Sulfate	Alkalinity	Manganese	Ferrous iron	BOD	COD	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	MW-1	5-4	0605	GW	23									X	X	X	X	X	X	X	X	X	X	X	X	TEMPERATURE ON RECEIPT C° 2
	MW-5	↓	1018	↓	↓									↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
	MW-3	↓	1041	↓	↓									↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
	~~MW-4~~																									N/S
	MW-9	↓	1105	↓	↓									↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
	MW-7	↓	1131	↓	↓									↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
	~~MW-8~~																									N/S
	MW-6	↓	1212	↓	↓									↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
	MW-2	↓	1242	↓	↓									↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	cooler on ice	05-04-05	1315
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
	Joan Mullen	5-5-05	0925
Relinquished by: (Signature)	Received by: (Signature)	Date	Time

9/15/03 Revision

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring 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 containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums 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.