TRC

June 14, 2006

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 2006

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

Anju Farfan
QMS Operations Manager

CC: Mr. Sean Coyle, SECOR International, Inc. (2 copies)

Enclosures
20-0400/01106R11.QMS

21 Technology Drive • Irvine, California 92618
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TRC

QUARTERLY MONITORING REPORT
APRIL THROUGH JUNE 2006

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
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Senior Project Geologist, Irvine Operations
June 12, 2006

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Summary of Gauging and Sampling Activities
April 2006 through June 2006
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: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **05/03/06**

Sample Points

Groundwater wells: **5** onsite, **4** offsite
Wells gauged: **9** Wells sampled: **9**
Purging method: **Bailer/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: **3.18 feet** Maximum: **10.45 feet**
Average groundwater elevation (relative to available local datum): **144.80 feet**
Average change in groundwater elevation since previous event: **0.16 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.04 ft/ft, northwest**
Previous event: **0.01 ft/ft, northwest (01/31/06)**

Selected Laboratory Results

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

Wells with **TPH-G** **0**
Wells with **MTBE** **2** Maximum: **13 µg/l (MW-2)**

Notes:

MW-4=Sampled Q1 and Q3 only, MW-8=Sampled Q1 and Q3 only,

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

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	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-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
TPH-D	=	total petroleum hydrocarbons with diesel distinction
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.

Contents of Tables
Site: Former Circle K Store 01106

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)		Comments	
Table 1a	Well/ Date	Methane	Iron Ferrous	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Carbon Dioxide (Lab)	Oxygen Demand (chemical)	Pre-purge Dissolved Oxygen						

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)		Comments	
Table 2a	Well/ Date	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Methanol	Methane	Iron Ferrous	Iron (total)	Manganese (dissolved)	Carbonate	Hydroxide	Nitrate
Table 2b	Well/ Date	Sulfate	Sulfide	Alkalinity (bicarb.)	Alkalinity (carbonate)	Alkalinity (hydroxide)	Alkalinity (total)	Carbon Dioxide (Lab)	Oxygen Demand (biologic)	Oxygen Demand (chemical)	Pre-purge Dissolved Oxygen					

Table 1
CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
May 3, 2006
Former Circle K Store 01106

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-1														
05/03/06	149.55	5.50	0.00	144.05	-0.52	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
MW-2														
05/03/06	150.14	3.64	0.00	146.50	2.37	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	13	
MW-3														
05/03/06	150.54	3.18	0.00	147.36	1.86	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
MW-4														
05/03/06	150.66	3.96	0.00	146.70	1.17	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
MW-5														
05/03/06	150.16	4.56	0.00	145.60	1.37	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
MW-6														
05/03/06	150.45	4.19	0.00	146.26	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	0.70	
MW-7														
05/03/06	149.62	6.94	0.00	142.68	-1.71	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
MW-8														
05/03/06	150.49	10.45	0.00	140.04	-3.39	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
MW-9														
05/03/06	149.97	5.94	0.00	144.03	0.15	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Methane	Iron Ferrou	Manganese (dissolved)	Nitrate	Sulfate	Alkalinity (total)	Carbon Dioxide (Lab)	Oxygen Demand (chemical)	Pre-purge Dissolved Oxygen
	(mg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg O/)	(mg/l)
MW-1									
05/03/06	ND<0.0010	120	ND<10	7.0	11	18	43	44	6.81
MW-2									
05/03/06	ND<0.0010	120	ND<10	5.5	15	31	31	25	3.64
MW-3									
05/03/06	ND<0.0010	ND<100	28	10	21	14	32	25	3.18
MW-4									
05/03/06	--	--	--	--	--	--	--	--	3.96
MW-5									
05/03/06	ND<0.0010	ND<100	ND<10	2.3	11	29	52	25	5.95
MW-6									
05/03/06	ND<0.0010	150	380	0.86	29	67	57	27	4.80
MW-7									
05/03/06	ND<0.0010	1100	190	0.60	61	54	69	29	3.57
MW-8									
05/03/06	--	--	--	--	--	--	--	--	4.05
MW-9									
05/03/06	ND<0.0010	ND<100	35	4.0	25	53	60	25	2.17

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through May 2006
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 (8015M) (µg/l)	TPH-G (GC/MS) (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	
08/02/05	149.55	8.27	0.00	141.28	-1.98	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 2006
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 (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1 continued														
11/02/05	149.55	10.69	0.00	138.86	-2.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/31/06	149.55	4.98	0.00	144.57	5.71	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
05/03/06	149.55	5.50	0.00	144.05	-0.52	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
MW-2														
02/16/00	150.14	5.32	0.00	144.82	--	6000	--	1500	32	98	2500	22000	19000	
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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through May 2006
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 (8015M) (µg/l)	TPH-G (GC/MS) (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														
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	
08/02/05	150.14	7.94	0.00	142.20	-2.14	6000	--	1200	840	160	780	--	1200	
11/02/05	150.14	11.06	0.00	139.08	-3.12	920	--	8.3	ND<2.5	ND<2.5	ND<2.5	--	660	
01/31/06	150.14	6.01	0.00	144.13	5.05	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	0.53	
05/03/06	150.14	3.64	0.00	146.50	2.37	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	13	
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	
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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through May 2006
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 (8015M) (µg/l)	TPH-G (GC/MS) (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														
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	
08/02/05	150.54	6.92	0.00	143.62	-2.90	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/02/05	150.54	9.69	0.00	140.85	-2.77	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	9.7	
01/31/06	150.54	5.04	0.00	145.50	4.65	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
05/03/06	150.54	3.18	0.00	147.36	1.86	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	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	
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

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through May 2006
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 (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-4 continued														
09/10/03	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
08/02/05	150.66	7.05	0.00	143.61	-2.30	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/02/05	150.66	9.04	0.00	141.62	-1.99	--	--	--	--	--	--	--	--	Sampled semi-annually
01/31/06	150.66	5.13	0.00	145.53	3.91	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
05/03/06	150.66	3.96	0.00	146.70	1.17	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
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	
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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through May 2006
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 (8015M) (µg/l)	TPH-G (GC/MS) (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														
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	
08/02/05	150.16	7.89	0.00	142.27	-1.99	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/02/05	150.16	11.10	0.00	139.06	-3.21	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
01/31/06	150.16	5.93	0.00	144.23	5.17	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
05/03/06	150.16	4.56	0.00	145.60	1.37	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	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	
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	

Table 2
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February 2000 Through May 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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														
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	
08/02/05	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible-Paved over
11/02/05	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
01/31/06	150.45	--	--	--	--	--	--	--	--	--	--	--	--	Covered with asphalt
05/03/06	150.45	4.19	0.00	146.26	--	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	0.70	
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	

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February 2000 Through May 2006
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (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														
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	
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	
08/02/05	149.62	8.89	0.00	140.73	-1.57	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.81	
11/02/05	149.62	10.79	0.00	138.83	-1.90	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.3	
01/31/06	149.62	5.23	0.00	144.39	5.56	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
05/03/06	149.62	6.94	0.00	142.68	-1.71	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
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

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through May 2006
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 (8015M) (µg/l)	TPH-G (GC/MS) (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														
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	
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
08/02/05	150.49	12.49	0.00	138.00	-3.59	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	10	
11/02/05	150.49	13.50	0.00	136.99	-1.01	--	--	--	--	--	--	--	--	Sampled semi-anually
01/31/06	150.49	7.06	0.00	143.43	6.44	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	6.2	
05/03/06	150.49	10.45	0.00	140.04	-3.39	--	--	--	--	--	--	--	--	Sampled Q1 and Q3 only
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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
February 2000 Through May 2006
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 (8015M) (µg/l)	TPH-G (GC/MS) (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-9 continued														
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	
08/02/05	149.97	9.89	0.00	140.08	-2.48	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.51	
11/02/05	149.97	11.84	0.00	138.13	-1.95	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.1	
01/31/06	149.97	6.09	0.00	143.88	5.75	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	
05/03/06	149.97	5.94	0.00	144.03	0.15	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	--	ND<0.50	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Methanol	Methane	Iron Ferrous	Iron (total)	Manganese (dissolved)	Carbonate	Hydroxide	Nitrate
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-1															
02/16/00	ND	ND	ND	ND	ND	ND	32	ND	--	--	--	--	--	--	--
06/29/00	ND	ND	ND	ND	ND	ND	39	ND	--	--	--	--	--	--	--
09/18/00	ND	ND	ND	ND	ND	ND	14	ND	--	--	--	--	--	--	--
12/14/00	ND	ND	ND	ND	ND	ND	9.3	ND	--	--	--	--	--	--	--
03/07/01	ND	ND	ND	ND	ND	ND	11	ND	--	--	--	--	--	--	--
06/05/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
09/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	9.2	ND<0.500	--	--	--	--	--	--	--
12/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	7.6	ND<0.500	--	--	--	--	--	--	--
03/12/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
06/17/02	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
09/10/02	ND<5.0	ND<50000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.500	--	--	--	--	--	--	--
12/10/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.120	--	--	--	--	--	--	--
03/11/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
06/10/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
09/10/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.01	ND<0.00001	--	0.28	0.041	--	--	0.044
12/09/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	--	ND<200	--	720	--	--	34
03/17/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.50	ND<0.010	ND<200	--	750	--	--	31
06/02/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.010	ND<200	--	ND<5.0	--	--	32
08/03/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	--	ND<0.001	1700	--	ND<10	--	--	29.9
11/09/04	--	--	--	--	--	--	--	--	ND<0.010	ND<10	--	1300	--	--	28
02/01/05	--	--	--	--	--	--	--	--	ND<0.001	0.095	--	640	--	--	33
05/04/05	--	--	--	--	--	--	--	--	ND<0.1	78	--	1900	--	--	33
08/02/05	--	--	--	--	--	--	--	--	--	80	--	3800	ND<5.0	ND<5.0	35
11/02/05	--	--	--	--	--	--	--	--	ND<0.0010	230	--	2200	--	--	26
01/31/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	ND<10	--	--	8.6
05/03/06	--	--	--	--	--	--	--	--	ND<0.0010	120	--	ND<10	--	--	7.0

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Methanol	Methane	Iron Ferrous	Iron (total)	Manganese (dissolved)	Carbonate	Hydroxide	Nitrate
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-2															
02/16/00	ND	ND	ND	ND	ND	ND	5200	ND	--	--	--	--	--	--	--
06/29/00	ND	ND	ND	ND	ND	ND	1300	ND	--	--	--	--	--	--	--
09/18/00	ND	ND	ND	ND	ND	ND	770	ND	--	--	--	--	--	--	--
12/14/00	260	ND	ND	ND	ND	ND	850	ND	--	--	--	--	--	--	--
03/07/01	ND	ND	ND	ND	ND	ND	2400	ND	--	--	--	--	--	--	--
06/05/01	ND	ND	ND	ND	ND	ND	2100	ND	--	--	--	--	--	--	--
09/11/01	ND<200	ND<5000000	ND<20	ND<20	ND<20	ND<20	500	ND<0.500	--	--	--	--	--	--	--
12/11/01	ND<400	ND<10000000	ND<40	ND<40	ND<40	ND<40	1300	ND<0.500	--	--	--	--	--	--	--
03/12/02	ND<10000	ND<50000000	ND<200	ND<200	ND<200	ND<200	ND<200	ND<0.100	--	--	--	--	--	--	--
06/17/02	ND<200	ND<5000000	ND<20	ND<20	ND<20	ND<20	490	0.31	--	--	--	--	--	--	--
09/10/02	ND<500	ND<5000000	ND<50	ND<50	ND<50	ND<50	320	ND<0.500	--	--	--	--	--	--	--
12/10/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
03/11/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
06/10/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	110	ND<0.500	--	--	--	--	--	--	--
09/10/03	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	420	ND<0.01	ND<0.00001	--	ND<0.2	0.93	--	--	0.0069
12/10/03	ND<1000	ND<5000	ND<20	ND<20	ND<20	ND<20	370	88.2	--	ND<200	--	960	--	--	9.9
03/17/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	32	ND<0.50	ND<0.010	ND<200	--	460	--	--	25
06/02/04	32	ND<250	ND<2.5	ND<2.5	ND<5.0	ND<2.5	61	ND<0.50	ND<0.010	ND<200	--	ND<5.0	--	--	14
08/03/04	36	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	18	--	ND<0.001	1700	--	ND<10	--	--	8.56
11/09/04	--	--	--	--	--	--	--	--	ND<0.010	ND<10	--	1500	--	--	45
02/01/05	--	--	--	--	--	--	--	--	ND<0.001	0.027	--	140	--	--	18
05/04/05	--	--	--	--	--	--	--	--	ND<0.1	ND<50	--	420	--	--	21
08/02/05	--	--	--	--	--	--	--	--	--	ND<50	--	2500	ND<5.0	ND<5.0	14
11/02/05	--	--	--	--	--	--	--	--	0.0027	130	--	5700	--	--	5.3
01/31/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	23	--	--	4.9
05/03/06	--	--	--	--	--	--	--	--	ND<0.0010	120	--	ND<10	--	--	5.5

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Methanol	Methane	Iron Ferrous	Iron (total)	Manganese (dissolved)	Carbonate	Hydroxide	Nitrate
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-3															
02/16/00	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
06/29/00	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
09/18/00	ND	ND	ND	ND	ND	ND	6.2	ND	--	--	--	--	--	--	--
12/14/00	ND	ND	ND	ND	ND	ND	15	ND	--	--	--	--	--	--	--
03/07/01	ND	ND	ND	ND	ND	ND	5.4	ND	--	--	--	--	--	--	--
06/05/01	ND	ND	ND	ND	ND	ND	2.8	ND	--	--	--	--	--	--	--
09/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	8.6	ND<0.500	--	--	--	--	--	--	--
12/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	23	ND<0.500	--	--	--	--	--	--	--
03/12/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	3.6	ND<0.100	--	--	--	--	--	--	--
06/17/02	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	6.1	ND<0.100	--	--	--	--	--	--	--
09/10/02	ND<5.0	ND<50000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	13	ND<0.500	--	--	--	--	--	--	--
12/10/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.130	--	--	--	--	--	--	--
03/11/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
06/10/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
09/10/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2.3	ND<0.01	ND<0.00001	--	5.4	0.076	--	--	0.048
12/09/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	15	ND<10	--	ND<200	--	200	--	--	47
03/17/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.50	ND<0.010	ND<200	--	100	--	--	68
06/02/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	1.4	ND<0.50	ND<0.010	ND<200	--	6.8	--	--	47
08/03/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	1.8	--	ND<0.001	340	--	ND<10	--	--	37.7
11/09/04	--	--	--	--	--	--	--	--	ND<0.010	ND<10	--	270	--	--	3.8
02/01/05	--	--	--	--	--	--	--	--	ND<0.001	0.068	--	40	--	--	65
05/04/05	--	--	--	--	--	--	--	--	ND<0.1	ND<50	--	47	--	--	51
08/02/05	--	--	--	--	--	--	--	--	--	200	--	55	ND<5.0	ND<5.0	43
11/02/05	--	--	--	--	--	--	--	--	ND<0.0051	130	--	110	--	--	37
01/31/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	29	--	--	15
05/03/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	28	--	--	10

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Methanol	Methane	Iron Ferrous	Iron (total)	Manganese (dissolved)	Carbonate	Hydroxide	Nitrate
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-4															
02/16/00	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
06/29/00	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
09/18/00	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
12/14/00	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
03/07/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
06/05/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
09/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	3.2	ND<0.500	--	--	--	--	--	--	--
12/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
03/12/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	2.0	ND<0.100	--	--	--	--	--	--	--
09/10/02	ND<5.0	ND<50000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.72	ND<0.500	--	--	--	--	--	--	--
03/11/03	ND<100	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--	--	--	--	--	--
09/10/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.01	ND<0.00001	--	9.7	0.13	--	--	0.064
03/17/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.50	ND<0.010	ND<200	--	140	--	--	70
08/03/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	--	ND<0.001	2200	--	ND<10	--	--	69.0
02/01/05	--	--	--	--	--	--	--	--	ND<0.001	0.077	--	240	--	--	64
08/02/05	--	--	--	--	--	--	--	--	--	140	--	95	ND<5.0	ND<5.0	70
01/31/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	ND<10	--	--	18
MW-5															
12/14/00	ND	ND	ND	ND	ND	ND	10	ND	--	--	--	--	--	--	--
03/07/01	ND	ND	ND	ND	ND	ND	2.7	ND	--	--	--	--	--	--	--
06/05/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
09/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	6.9	ND<0.500	--	--	--	--	--	--	--
12/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
03/12/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
06/17/02	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
09/10/02	ND<5.0	ND<50000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.500	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Methanol	Methane	Iron Ferrous	Iron (total)	Manganese (dissolved)	Carbonate	Hydroxide	Nitrate
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-5 continued															
12/10/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
03/11/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
06/10/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
09/10/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.01	ND<0.00001	--	13	0.29	--	--	0.023
12/09/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	--	ND<200	--	280	--	--	30
03/17/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.50	ND<0.010	ND<200	--	220	--	--	19
06/02/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.010	ND<200	--	ND<5.0	--	--	25
08/03/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	--	ND<0.001	5000	--	ND<10	--	--	32.1
11/09/04	--	--	--	--	--	--	--	--	ND<0.010	ND<10	--	510	--	--	29
02/01/05	--	--	--	--	--	--	--	--	ND<0.001	0.10	--	210	--	--	24
05/04/05	--	--	--	--	--	--	--	--	ND<0.1	64	--	54	--	--	22
08/02/05	--	--	--	--	--	--	--	--	--	ND<50	--	72	ND<5.0	ND<5.0	15
11/02/05	--	--	--	--	--	--	--	--	ND<0.0010	750	--	120	--	--	34
01/31/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	ND<10	--	--	3.7
05/03/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	ND<10	--	--	2.3
MW-6															
12/14/00	ND	ND	ND	ND	ND	ND	180	ND	--	--	--	--	--	--	--
03/07/01	ND	ND	ND	ND	ND	ND	93	ND	--	--	--	--	--	--	--
06/05/01	ND	ND	ND	ND	ND	ND	120	ND	--	--	--	--	--	--	--
09/11/01	ND<100	ND<2500000	ND<10	ND<10	ND<10	ND<10	100	ND<0.500	--	--	--	--	--	--	--
12/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	69	ND<0.500	--	--	--	--	--	--	--
03/12/02	ND<1000	ND<5000000	ND<20	ND<20	ND<20	ND<20	27	ND<0.100	--	--	--	--	--	--	--
06/17/02	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	21	ND<0.100	--	--	--	--	--	--	--
09/10/02	ND<5.0	ND<50000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30	ND<0.500	--	--	--	--	--	--	--
06/10/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	7.5	ND<0.500	--	--	--	--	--	--	--
09/10/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	8.4	ND<0.01	ND<0.00001	--	0.41	0.74	--	--	0.0025

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Methanol	Methane	Iron Ferrous	Iron (total)	Manganese (dissolved)	Carbonate	Hydroxide	Nitrate
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-6 continued															
12/09/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	6.3	ND<10	--	ND<200	--	1200	--	--	ND<1.0
03/17/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.50	ND<0.010	ND<200	--	1600	--	--	2.4
06/02/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	2.1	ND<0.50	ND<0.010	ND<200	--	1300	--	--	14
08/03/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	2.9	--	ND<0.001	1800	--	ND<10	--	--	47.1
11/09/04	--	--	--	--	--	--	--	--	ND<0.010	ND<10	--	1700	--	--	1.2
02/01/05	--	--	--	--	--	--	--	--	ND<0.001	0.81	--	1700	--	--	ND<1.0
05/04/05	--	--	--	--	--	--	--	--	ND<0.1	1300	--	1600	--	--	3.8
05/03/06	--	--	--	--	--	--	--	--	ND<0.0010	150	--	380	--	--	0.86
MW-7															
12/14/00	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
03/07/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
06/05/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
09/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
12/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
03/12/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
06/17/02	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
09/10/02	ND<5.0	ND<50000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.500	--	--	--	--	--	--	--
06/10/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
09/10/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.01	ND<0.00001	--	8.1	0.26	--	--	ND<0.001
12/10/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	0.0846	--	1900	--	290	--	--	ND<1.0
03/17/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.50	ND<0.010	2000	--	300	--	--	ND<1.0
06/02/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.010	ND<200	--	240	--	--	ND<1
08/03/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	--	ND<0.001	2100	--	ND<10	--	--	24.6
11/09/04	--	--	--	--	--	--	--	--	ND<0.010	ND<10	--	890	--	--	ND<1.0
02/01/05	--	--	--	--	--	--	--	--	ND<0.001	0.30	--	1900	--	--	1.4
05/04/05	--	--	--	--	--	--	--	--	ND<0.1	500	--	1200	--	--	1.1

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Methanol	Methane	Iron Ferrous	Iron (total)	Manganese (dissolved)	Carbonate	Hydroxide	Nitrate
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-7 continued															
08/02/05	--	--	--	--	--	--	--	--	--	500	--	610	ND<5.0	ND<5.0	ND<1.0
11/02/05	--	--	--	--	--	--	--	--	0.0013	13000	--	720	--	--	ND<1.0
01/31/06	--	--	--	--	--	--	--	--	ND<0.0010	1300	--	190	--	--	0.55
05/03/06	--	--	--	--	--	--	--	--	ND<0.0010	1100	--	190	--	--	0.60
MW-8															
12/14/00	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
03/07/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
06/05/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
09/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
12/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
03/12/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
09/10/02	ND<5.0	ND<50000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.500	--	--	--	--	--	--	--
03/11/03	ND<100	--	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<500	--	--	--	--	--	--	--
09/10/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.01	ND<0.00001	--	2.3	ND<0.0050	--	--	0.0059
03/17/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.50	ND<0.010	ND<200	--	220	--	--	6.1
08/03/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	--	ND<0.001	23000	--	ND<10	--	--	2.7
02/01/05	--	--	--	--	--	--	--	--	ND<0.001	0.051	--	960	--	--	6.6
08/02/05	--	--	--	--	--	--	--	--	--	310	--	660	ND<5.0	ND<5.0	4.2
01/31/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	ND<10	--	--	1.2
MW-9															
12/14/00	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
03/07/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
06/05/01	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--
09/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
12/11/01	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
03/12/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Methanol	Methane	Iron Ferrous	Iron (total)	Manganese (dissolved)	Carbonate	Hydroxide	Nitrate
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)
MW-9 continued															
06/17/02	ND<20	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	3.1	0.16	--	--	--	--	--	--	--
09/10/02	ND<5.0	ND<50000	ND<0.50	ND<0.50	ND<0.50	ND<0.50	1.0	ND<0.500	--	--	--	--	--	--	--
12/10/02	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.100	--	--	--	--	--	--	--
03/11/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
06/10/03	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.500	--	--	--	--	--	--	--
09/10/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.01	ND<0.00001	--	9.5	0.34	--	--	0.0089
12/09/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	--	ND<200	--	1600	--	--	10
03/17/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<0.50	ND<0.010	ND<200	--	570	--	--	18
06/02/04	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.010	ND<200	--	73	--	--	15
08/03/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1	--	ND<0.001	30000	--	ND<10	--	--	25.1
11/09/04	--	--	--	--	--	--	--	--	ND<0.010	ND<10	--	1300	--	--	8.3
02/01/05	--	--	--	--	--	--	--	--	ND<0.001	0.083	--	1800	--	--	9.7
05/04/05	--	--	--	--	--	--	--	--	ND<0.1	110	--	2000	--	--	13
08/02/05	--	--	--	--	--	--	--	--	--	180	--	1700	ND<5.0	ND<5.0	10
11/02/05	--	--	--	--	--	--	--	--	ND<0.0010	220	--	4400	--	--	6.8
01/31/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	10	--	--	3.9
05/03/06	--	--	--	--	--	--	--	--	ND<0.0010	ND<100	--	35	--	--	4.0

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Sulfate	Sulfide	Alkalinity (bicarb.)	Alkalinity (carbonate	Alkalinity (hydroxide	Alkalinity (total)	Carbon Dioxide (Lab)	Oxygen Demand (biologic)	Oxygen Demand (chemical)	Pre-purge Dissolved Oxygen
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg O/)	(mg/l)
MW-1										
09/10/03	0.009	ND<0.001	--	--	--	0.052	0.024	ND<0.002	ND<5	--
12/09/03	9.3	ND<1.0	36	ND<5.0	ND<5.0	36	--	ND<6.0	ND<5.0	--
03/17/04	10	ND<1.0	25	ND<5.0	ND<5.0	25	35	--	--	--
06/02/04	12	ND<1	15	ND<5.0	ND<5.0	15	49	ND<6	ND<5000	--
08/03/04	7.9	ND<5	--	--	--	54	--	--	32	--
11/09/04	--	--	19	ND<5.0	ND<5.0	19	19	--	5.7	--
02/01/05	12	--	24	ND<5.0	ND<5.0	24	57	ND<6	ND<5.0	--
05/04/05	9.7	--	28	ND<5.0	ND<5.0	28	51	ND<6	9.0	--
08/02/05	11	--	25	--	--	25	--	--	--	--
11/02/05	15	--	28.4	--	--	28.4	0.041	--	ND<10	--
01/31/06	11	--	--	--	--	39	19	ND<1.5	28	1.09
05/03/06	11	--	--	--	--	18	43	--	44	6.81
MW-2										
09/10/03	0.0059	ND<0.001	--	--	--	0.059	0.028	0.006	650	--
12/10/03	8.5	ND<1.0	62	--	--	62	--	ND<6.0	19	--
03/17/04	16	ND<1.0	27	ND<5.0	ND<5.0	27	38	--	--	--
06/02/04	9.6	ND<1	34	ND<5.0	ND<5.0	34	46	ND<6	ND<5000	--
08/03/04	7.7	ND<5	--	--	--	87	--	--	ND<20	--
11/09/04	--	--	81	ND<5.0	ND<5.0	81	24	--	15	--
02/01/05	11	--	33	ND<5.0	ND<5.0	33	73	ND<6	ND<5.0	--
05/04/05	12	--	28	ND<5.0	ND<5.0	28	39	ND<6	13	--
08/02/05	7.6	--	61	--	--	61	--	--	--	--
11/02/05	12	--	137	--	--	137	0.051	--	10	--
01/31/06	15	--	--	--	--	39	16	ND<1.5	28	1.01
05/03/06	15	--	--	--	--	31	31	--	25	3.64

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Sulfate	Sulfide	Alkalinity (bicarb.)	Alkalinity (carbonate	Alkalinity (hydroxide	Alkalinity (total)	Carbon Dioxide (Lab)	Oxygen Demand (biologic)	Oxygen Demand (chemical)	Pre-purge Dissolved Oxygen
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg O/)	(mg/l)
MW-3										
09/10/03	0.0079	ND<0.001	--	--	--	0.026	0.026	ND<0.02	50	--
12/09/03	7.1	ND<1.0	26	ND<5.0	ND<5.0	26	--	ND<6.0	13	--
03/17/04	20	ND<1.0	10	ND<5.0	ND<5.0	10	87	--	--	--
06/02/04	8.4	ND<1	19	ND<5.0	ND<5.0	19	88	ND<6	ND<5000	--
08/03/04	5.2	ND<0.5	--	--	--	43	--	--	50	--
11/09/04	--	--	19	ND<5.0	ND<5.0	19	26	--	ND<5.0	--
02/01/05	20	--	ND<5.0	ND<5.0	ND<5.0	ND<5.0	120	ND<6	10	--
05/04/05	19	--	12	ND<5.0	ND<5.0	12	120	ND<6	11	--
08/02/05	7.3	--	26	--	--	26	--	--	--	--
11/02/05	9.1	--	41.9	--	--	41.9	0.016	--	ND<10	--
01/31/06	22	--	--	--	--	19	65	ND<1.5	25	1.78
05/03/06	21	--	--	--	--	14	32	--	25	3.18
MW-4										
09/10/03	0.005	ND<0.001	--	--	--	0.036	0.028	ND<0.02	48	--
03/17/04	4.9	ND<1.0	30	ND<5.0	ND<5.0	30	80	--	--	--
08/03/04	4.4	ND<5	--	--	--	39	--	--	25	--
02/01/05	5.5	--	43	ND<5.0	ND<5.0	43	120	ND<6	ND<5.0	--
08/02/05	4.5	--	39	--	--	39	--	--	--	--
01/31/06	5.4	--	--	--	--	35	64	ND<1.5	25	1.09
05/03/06	--	--	--	--	--	--	--	--	--	3.96
MW-5										
09/10/03	0.0088	ND<0.001	--	--	--	0.026	0.02	ND<0.02	29	--
12/09/03	7.3	ND<1.0	52	ND<5.0	ND<5.0	52	--	ND<6.0	ND<5.0	--
03/17/04	8.6	ND<1.0	15	ND<5.0	ND<5.0	15	39	--	--	--
06/02/04	7.9	ND<1	29	ND<5.0	ND<5.0	29	55	ND<6	ND<5000	--

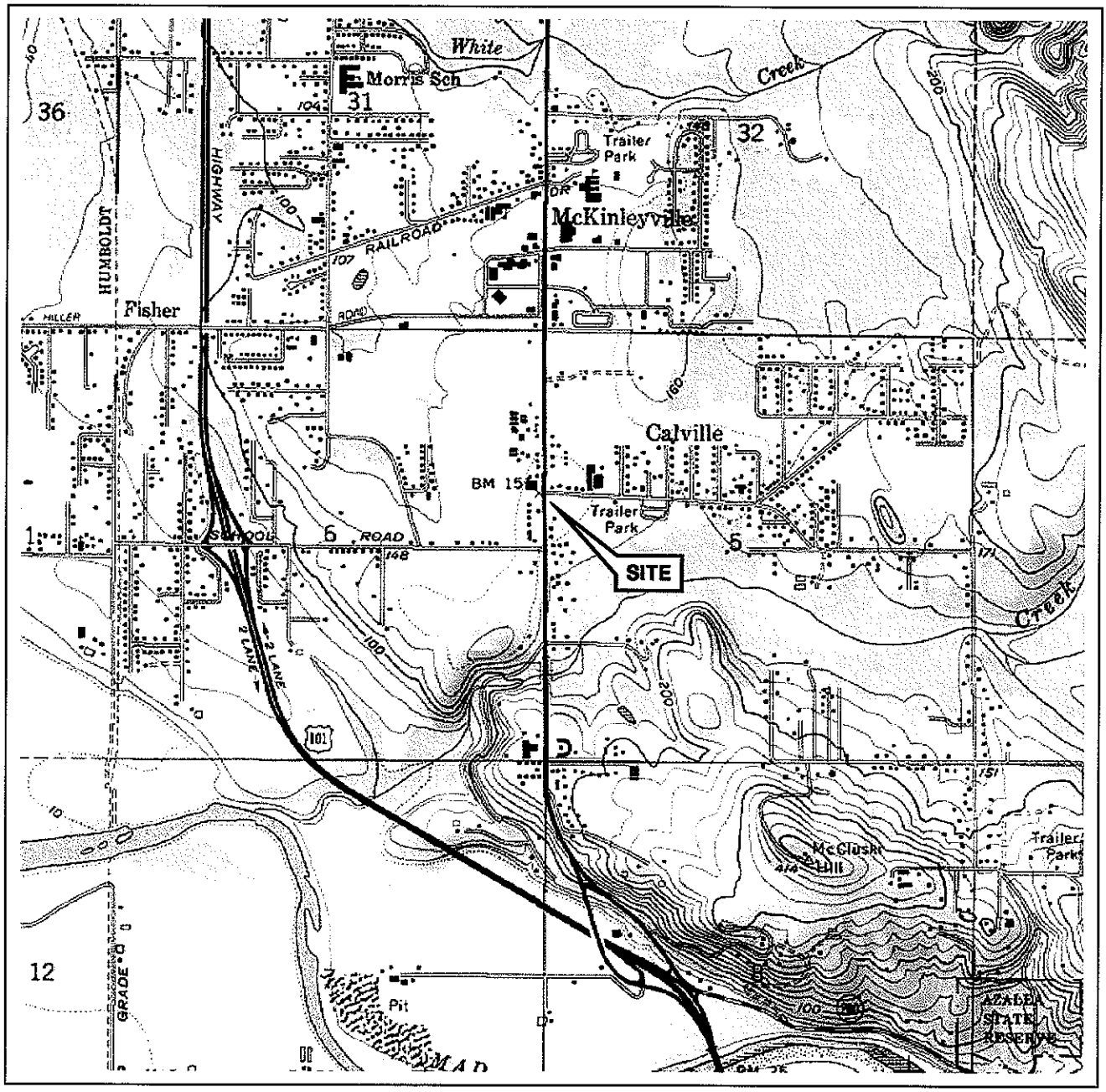
Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Sulfate	Sulfide	Alkalinity (bicarb.)	Alkalinity (carbonate)	Alkalinity (hydroxide	Alkalinity (total)	Carbon Dioxide (Lab)	Oxygen Demand (biologic)	Oxygen Demand (chemical)	Pre-purge Dissolved Oxygen
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg O/)	(mg/l)
MW-5 continued										
08/03/04	7.2	ND<5	--	--	--	64	--	--	36	--
11/09/04	--	--	39	ND<5.0	ND<5.0	39	23	--	ND<5.0	--
02/01/05	9.5	--	19	ND<5.0	ND<5.0	19	37	ND<6	ND<5.0	--
05/04/05	7.9	--	19	ND<5.0	ND<5.0	19	28	ND<6	5.3	--
08/02/05	11	--	24	--	--	24	--	--	--	--
11/02/05	6.6	--	51.5	--	--	51.5	0.071	--	ND<10	--
01/31/06	12	--	--	--	--	27	17	ND<1.5	55	1.13
05/03/06	11	--	--	--	--	29	52	--	25	5.95
MW-6										
09/10/03	0.024	ND<0.001	--	--	--	0.1	0.025	ND<0.006	15	--
12/09/03	31	ND<1.0	83	ND<5.0	ND<5.0	83	--	ND<6.0	8.2	--
03/17/04	34	ND<1.0	96	ND<5.0	ND<5.0	96	72	--	--	--
06/02/04	34	ND<1	73	ND<5.0	ND<5.0	73	140	ND<6	13000	--
08/03/04	6.6	ND<5	--	--	--	36	--	--	48	--
11/09/04	--	--	76	ND<5.0	ND<5.0	76	29	--	7.2	--
02/01/05	35	--	62	ND<5.0	ND<5.0	62	150	ND<6	10	--
05/04/05	31	--	60	ND<5.0	ND<5.0	60	140	ND<6	27	--
05/03/06	29	--	--	--	--	67	57	--	27	4.80
MW-7										
09/10/03	0.025	ND<0.001	--	--	--	0.1	0.033	ND<0.02	29	--
12/10/03	28	ND<1.0	130	--	--	130	--	ND<6.0	29	--
03/17/04	24	ND<1.0	120	ND<5.0	ND<5.0	120	110	--	--	--
06/02/04	110	ND<1	73	ND<5.0	ND<5.0	73	100	ND<6	ND<5000	--
08/03/04	8.7	ND<5	--	--	--	85	--	--	54	--
11/09/04	270	--	27	ND<5.0	ND<5.0	27	21	--	18	--
02/01/05	150	--	48	ND<5.0	ND<5.0	48	120	ND<6	12	--

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
Former Circle K Store 01106

Date Sampled	Sulfate	Sulfide	Alkalinity (bicarb.)	Alkalinity (carbonate	Alkalinity (hydroxide	Alkalinity (total)	Carbon Dioxide (Lab)	Oxygen Demand (biologic)	Oxygen Demand (chemical)	Pre-purge Dissolved Oxygen
	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg O/)	(mg/l)
MW-7 continued										
05/04/05	86	--	50	ND<5.0	ND<5.0	50	110	ND<6	9.5	--
08/02/05	79	--	52	--	--	52	--	--	--	--
11/02/05	160	--	50.3	--	--	50.3	0.13	--	ND<10	--
01/31/06	60	--	--	--	--	51	80	ND<1.5	25	1.01
05/03/06	61	--	--	--	--	54	69	--	29	3.57
MW-8										
09/10/03	0.017	ND<0.001	--	--	--	0.057	0.023	ND<0.02	30	--
03/17/04	16	ND<1.0	50	ND<5.0	ND<5.0	50	49	--	--	--
08/03/04	22	ND<5	--	--	--	31	--	--	66	--
02/01/05	20	--	69	ND<5.0	ND<5.0	69	92	ND<6	8.0	--
08/02/05	17	--	68	--	--	68	--	--	--	--
01/31/06	17	--	--	--	--	69	52	ND<1.5	25	1.26
05/03/06	--	--	--	--	--	--	--	--	--	4.05
MW-9										
09/10/03	0.025	ND<0.001	--	--	--	0.078	0.026	ND<0.006	21	--
12/09/03	26	--	100	ND<5.0	ND<5.0	100	--	--	--	--
03/17/04	25	ND<1.0	55	ND<5.0	ND<5.0	55	79	--	--	--
06/02/04	26	ND<1	78	ND<5.0	ND<5.0	78	160	ND<6	ND<5000	--
08/03/04	8.2	ND<5	--	--	--	32	--	--	34	--
11/09/04	--	--	79	ND<5.0	ND<5.0	79	24	--	7.6	--
02/01/05	27	--	72	ND<5.0	ND<5.0	72	100	ND<6	ND<5.0	--
05/04/05	28	--	61	ND<5.0	ND<5.0	61	75	ND<6	21	--
08/02/05	28	--	71	--	--	71	--	--	--	--
11/02/05	28	--	79	--	--	79	0.074	--	ND<10	--
01/31/06	25	--	--	--	--	68	54	ND<1.5	25	0.91
05/03/06	25	--	--	--	--	53	60	--	25	2.17

FIGURES



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

SCALE 1:24,000

N

QUADRANGLE LOCATIONS

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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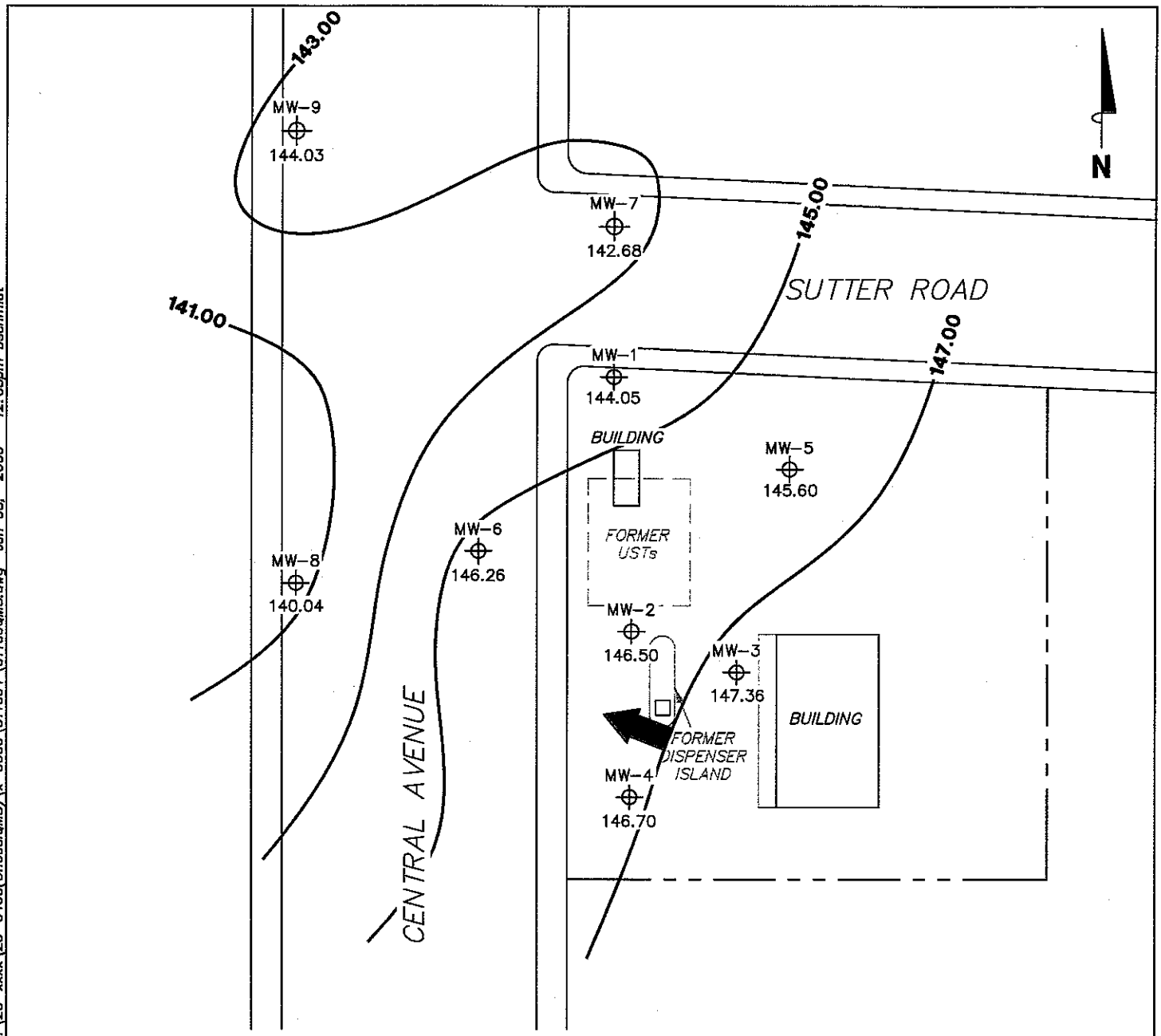

NOTES:

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)

147.00 —— Groundwater Elevation Contour

➡ General Direction of Groundwater Flow

GROUNDWATER ELEVATION CONTOUR MAP
May 3, 2006

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

SCALE (FEET)
0 60

FIGURE 2

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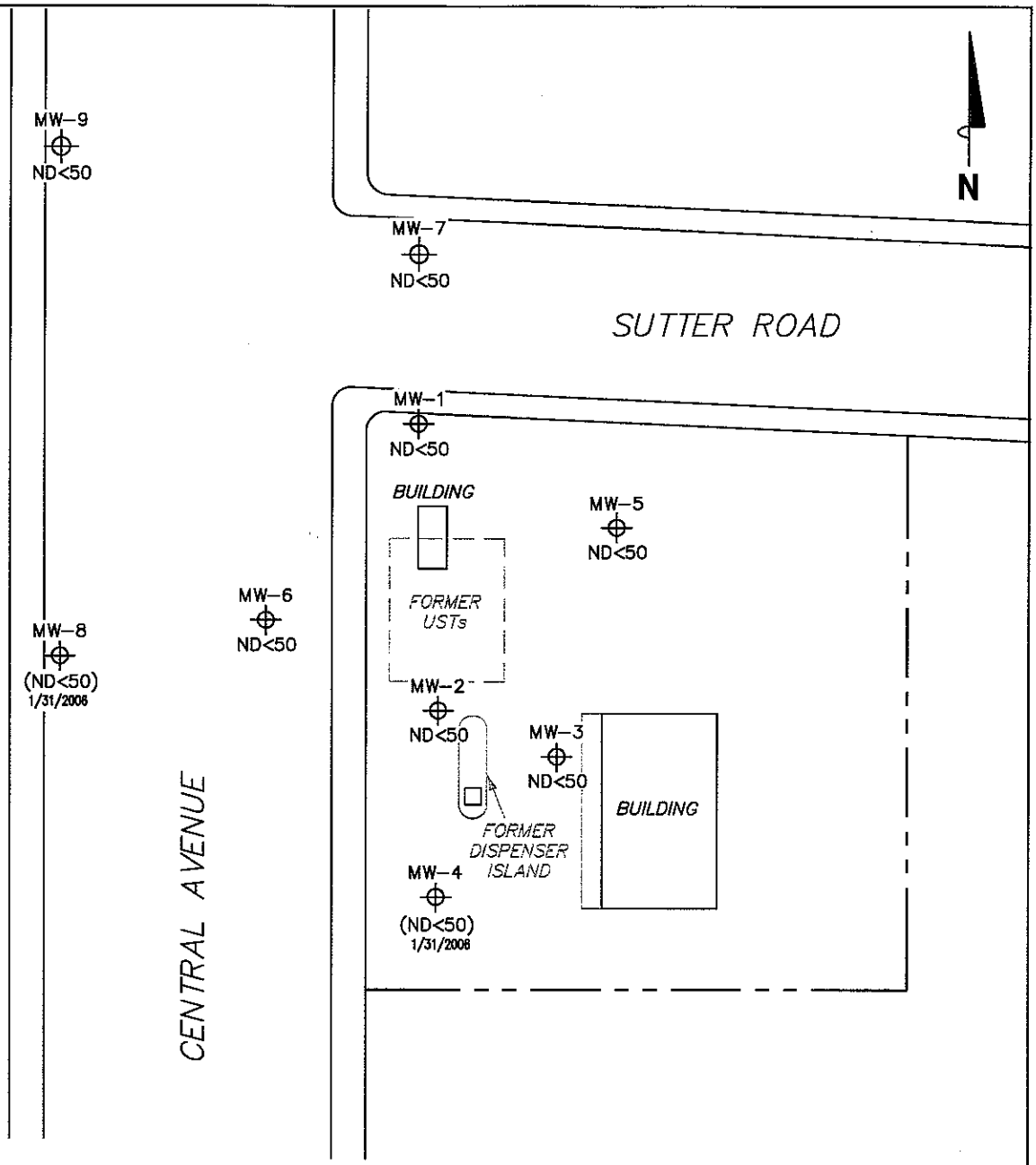


NOTES:

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)

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
May 3, 2006

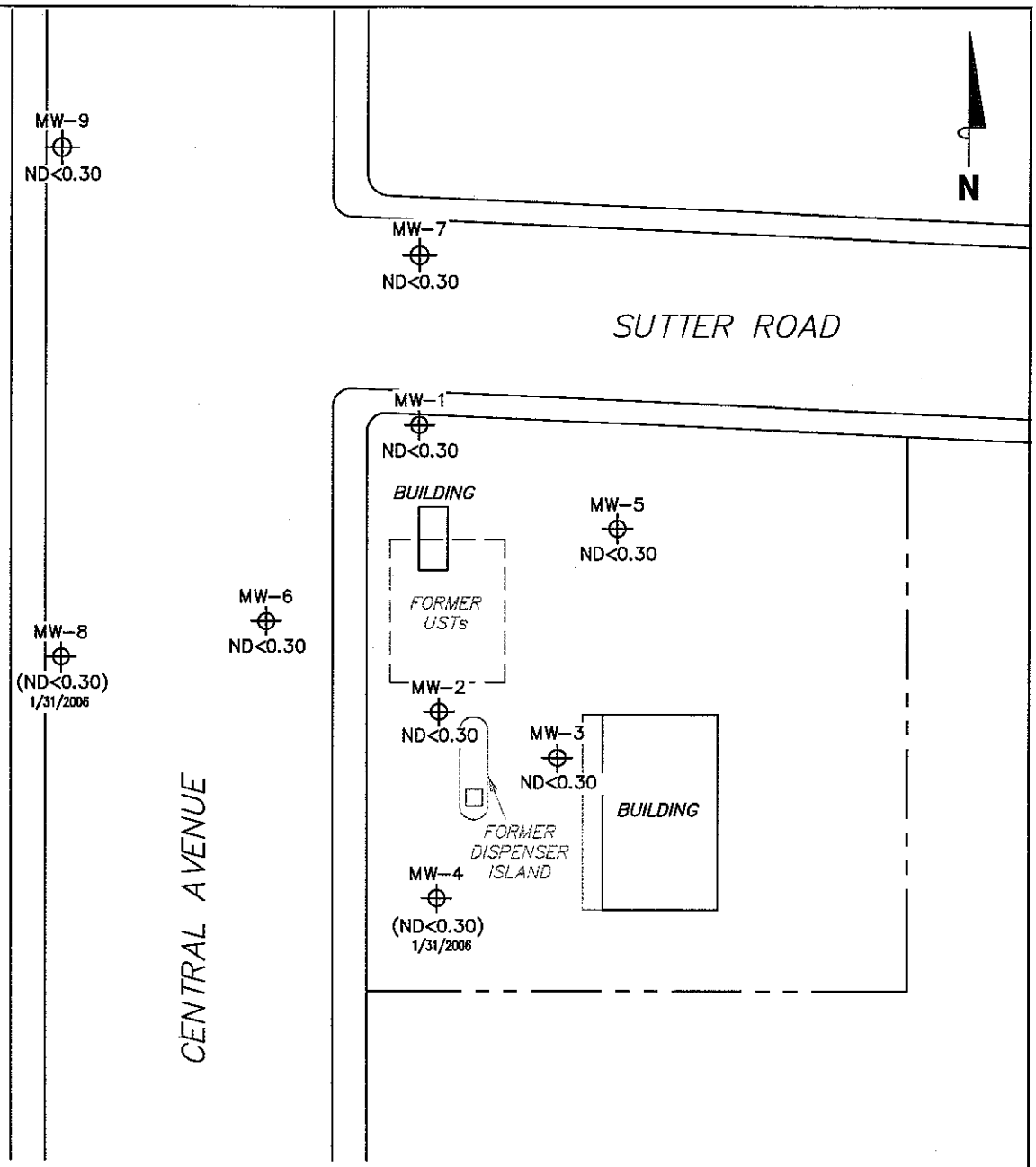
Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

SCALE (FEET)
0 60

FIGURE 3

PS=1:1 01106-003\\IRVINE-FS1\Graphics\Graphics\ProjectsByNumber\20-xxxx\20-0400(UnocalQMS)\x-0000\01106+\01106QMS.dwg Jun 08, 2006 - 12:05pm bschmidt



NOTES:

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)

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
May 3, 2006

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

SCALE (FEET)
0 60

FIGURE 4

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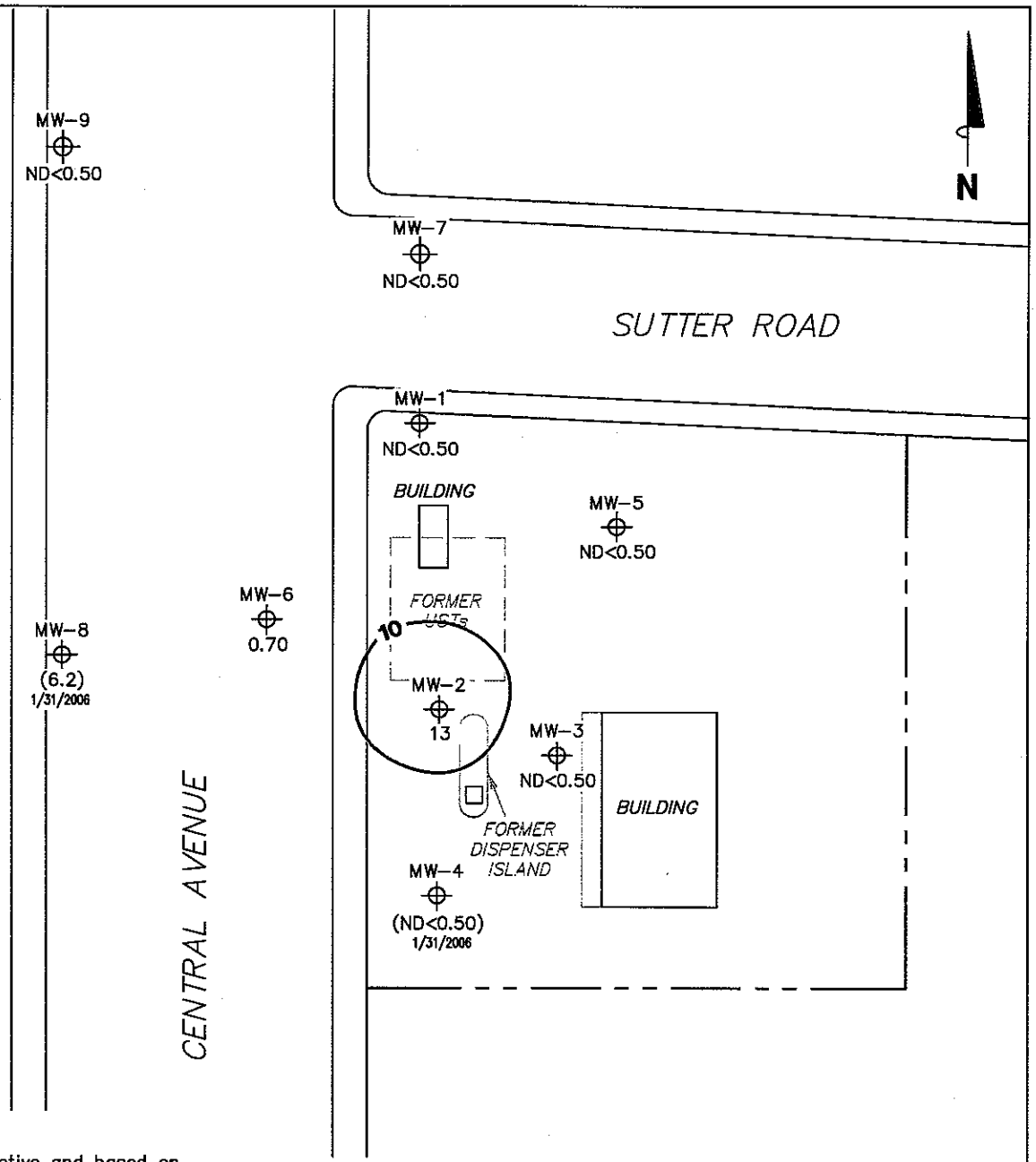

NOTES:

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 3, 2006

Former Circle K Store 01106
1693 Central Avenue
McKinleyville, California

TRC

SCALE (FEET)
0 60

FIGURE 5

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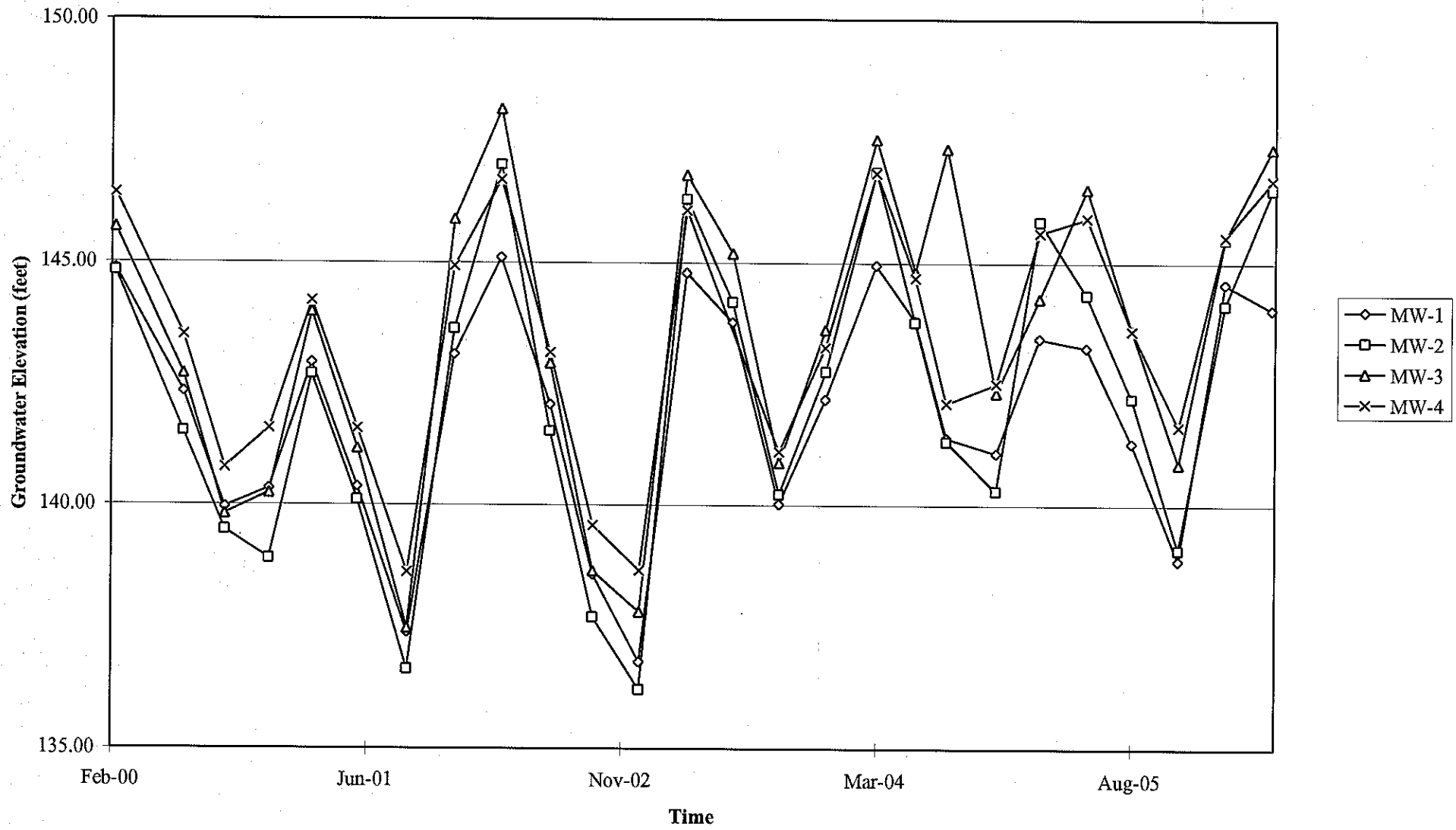
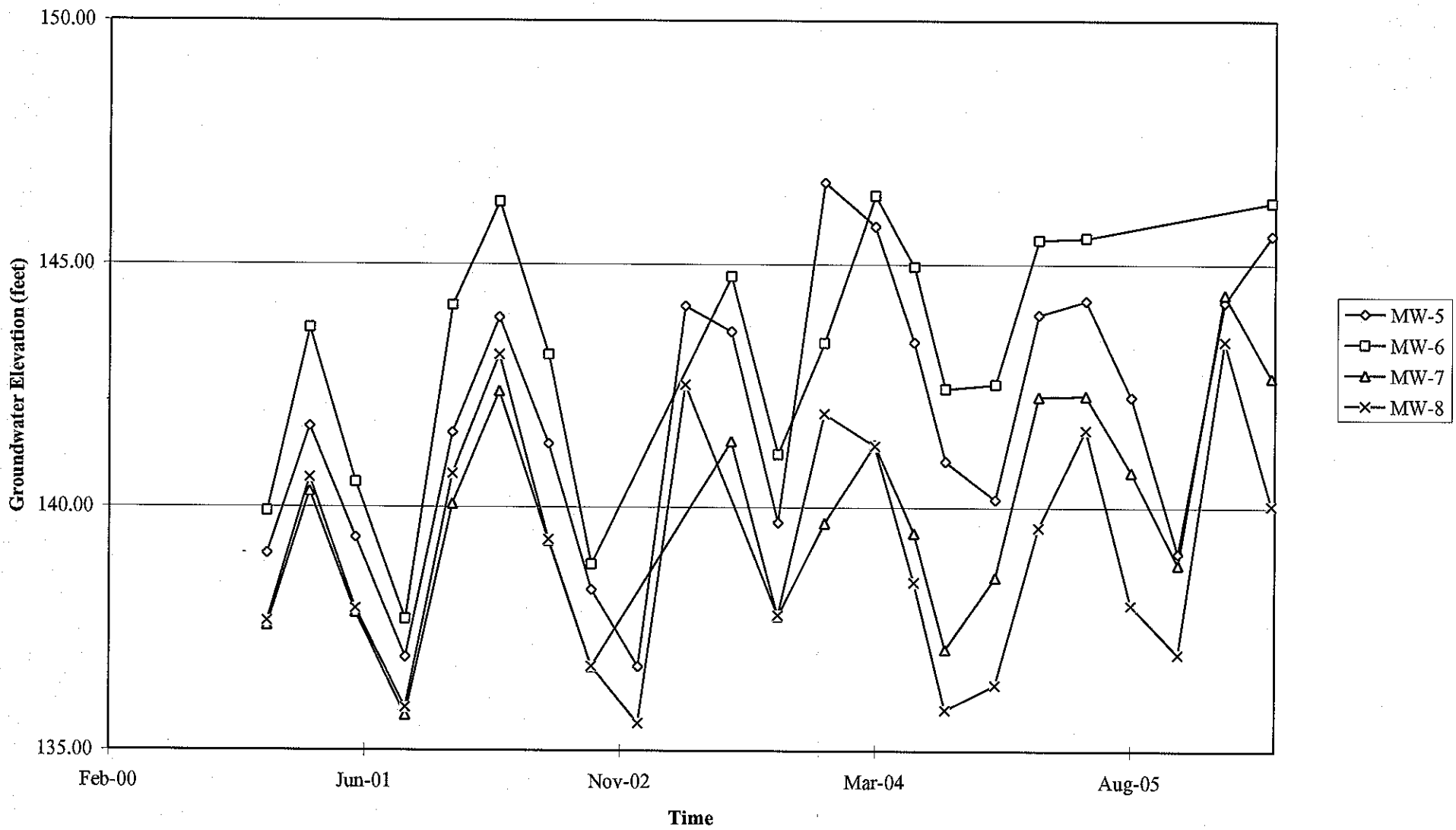
GRAPHS

Groundwater Elevations vs. Time
Former Circle K Store 01106



Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
Former Circle K Store 01106



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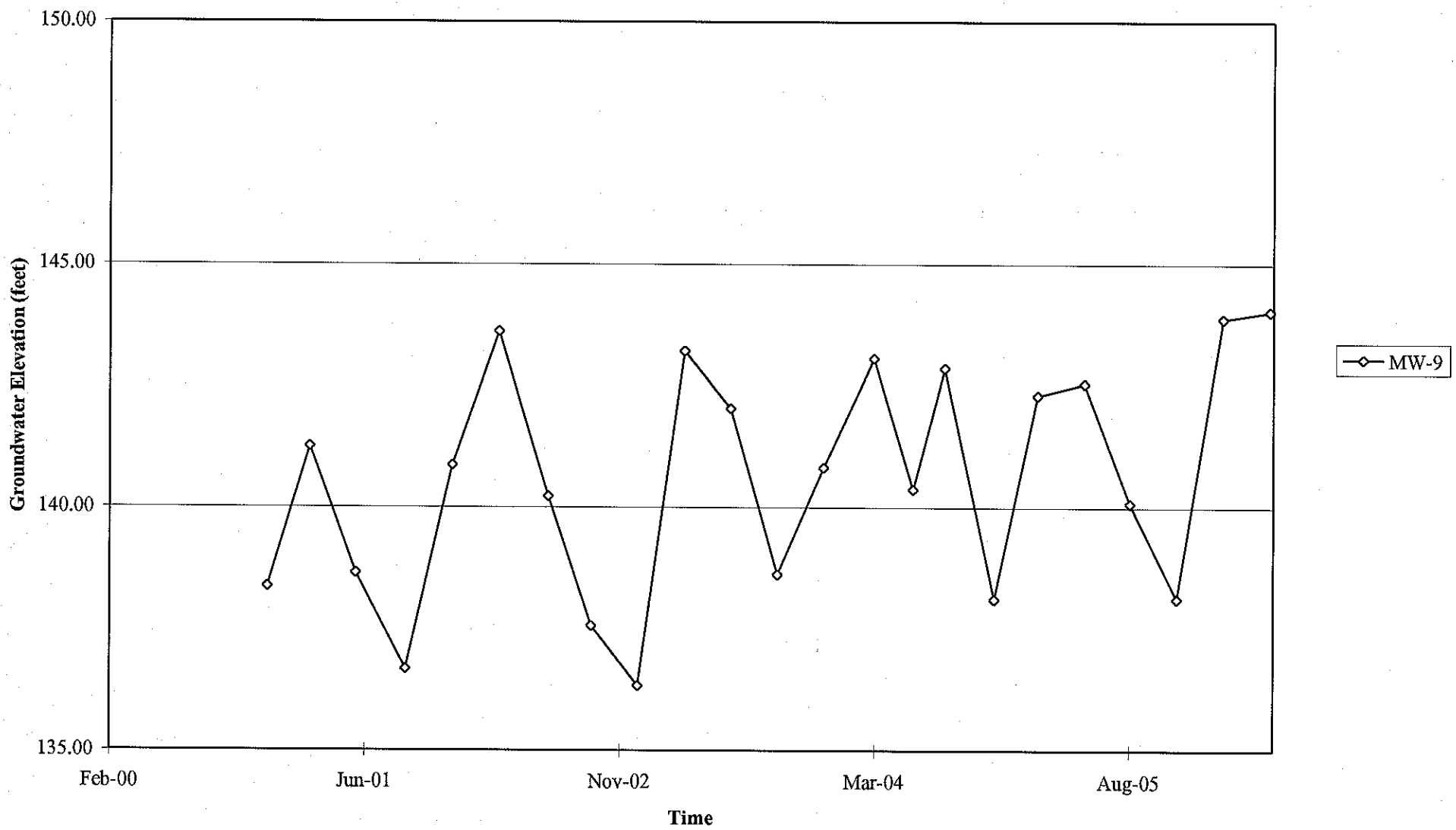
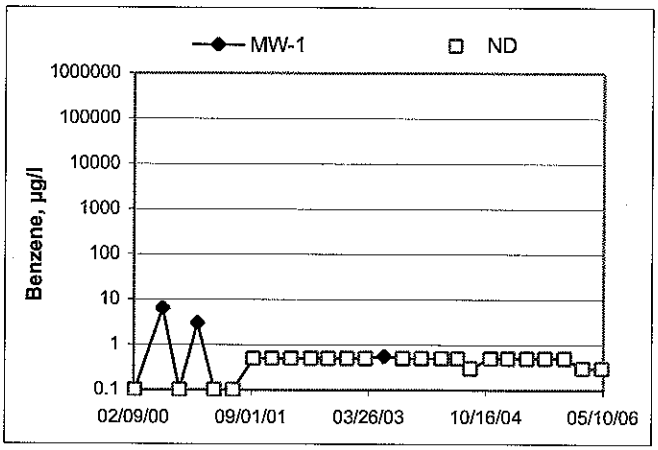
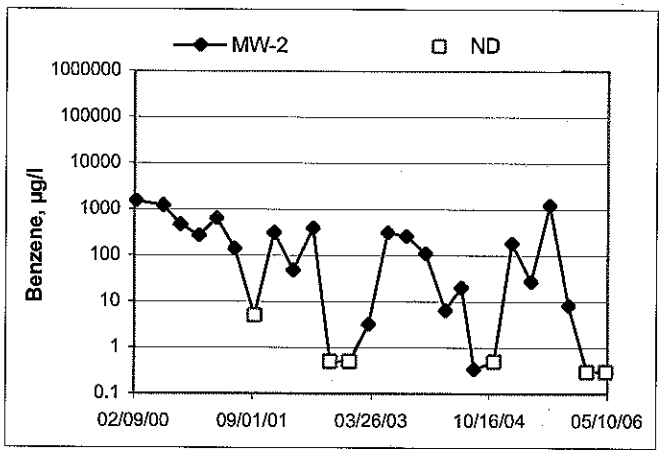
Groundwater Elevations vs. Time
Former Circle K Store 01106

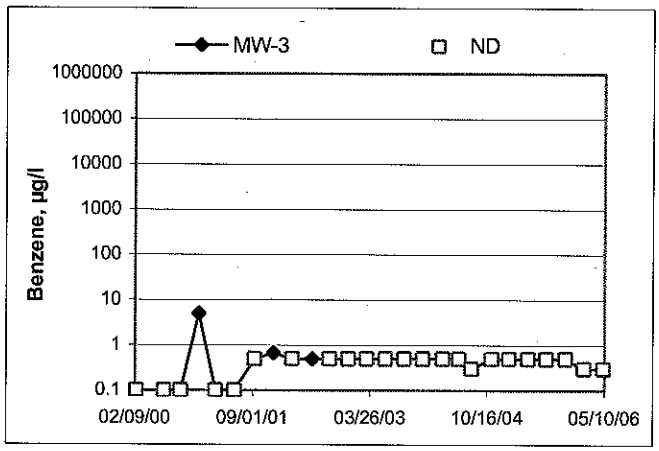


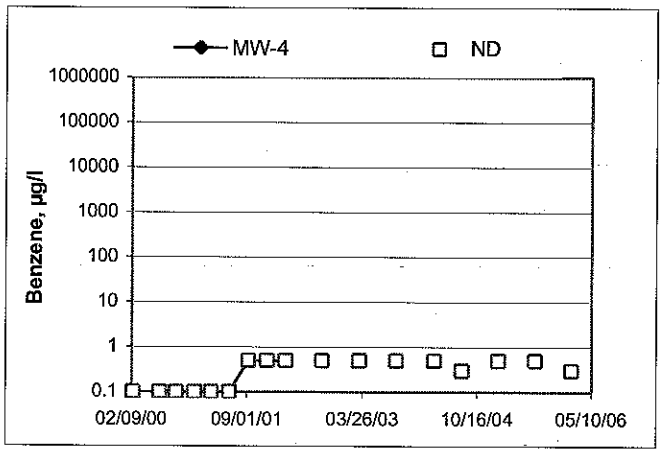
Elevations may have been corrected for apparent changes due to resurvey

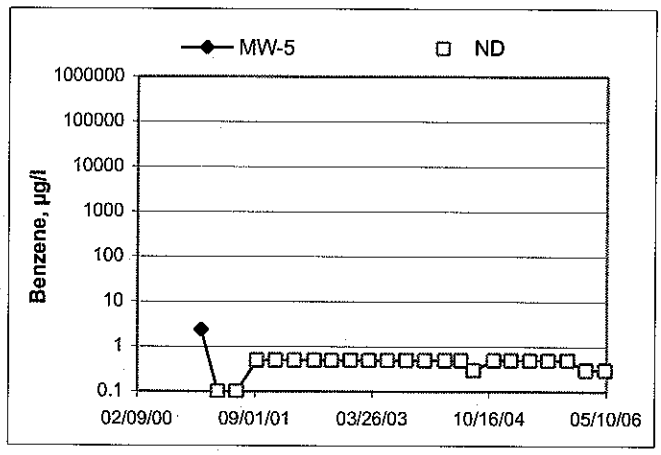
Benzene Concentrations vs Time
Former Circle K Store 01106

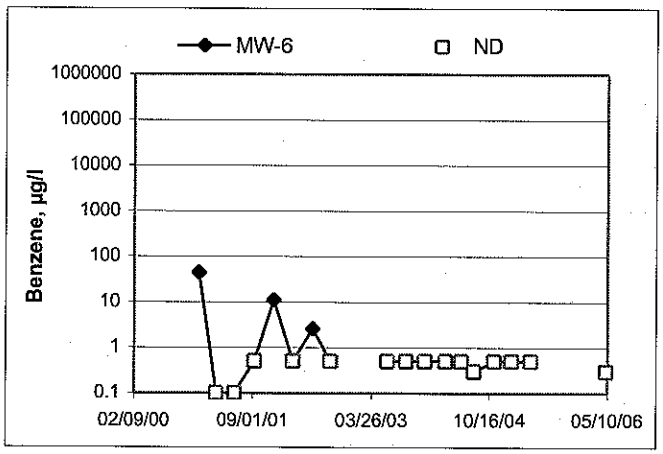


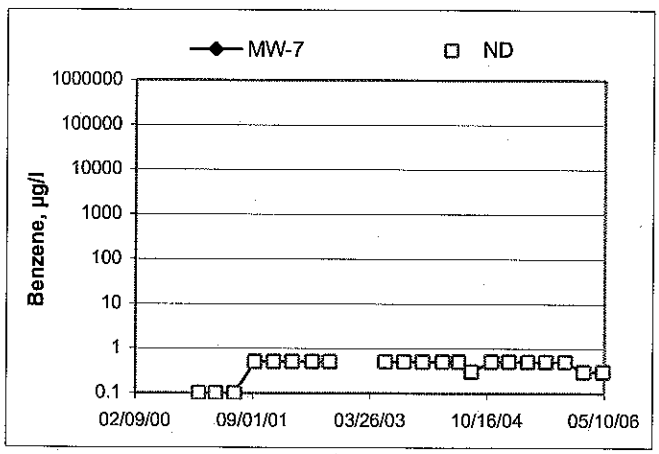


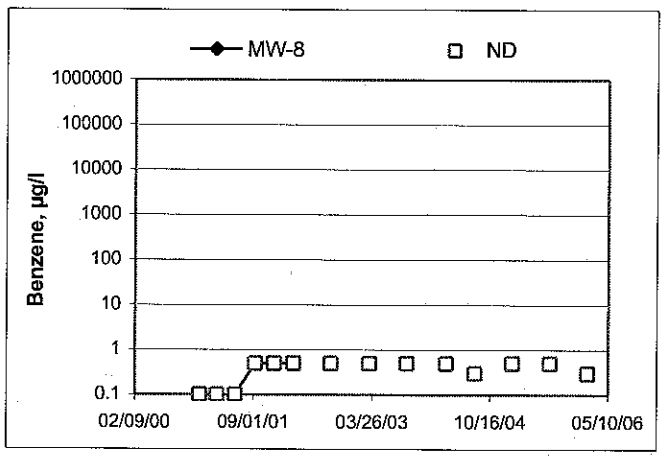




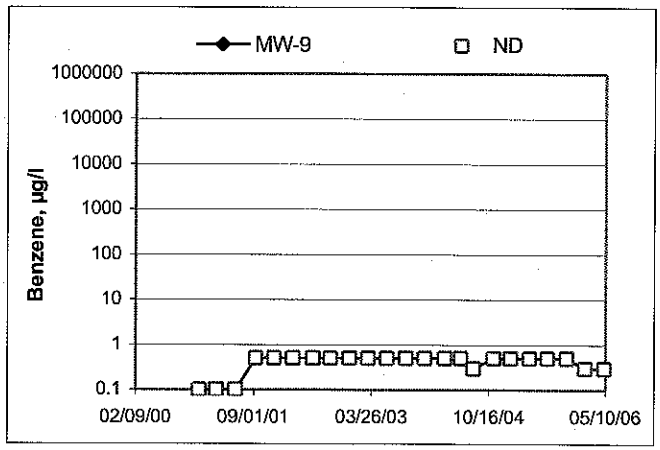




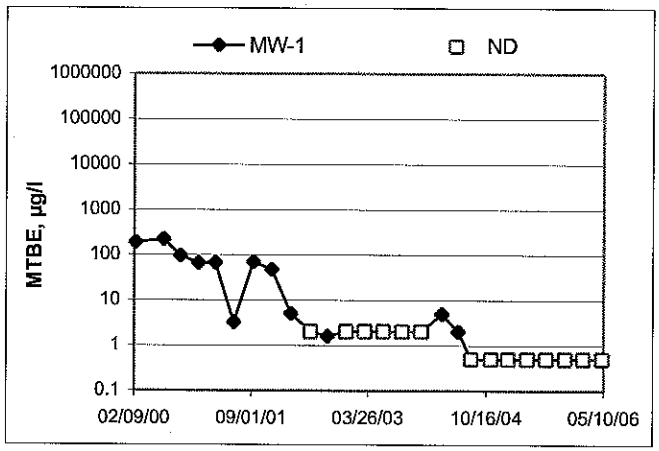


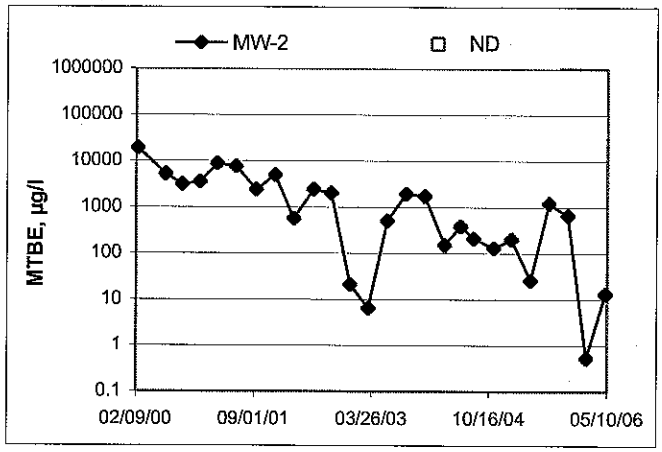


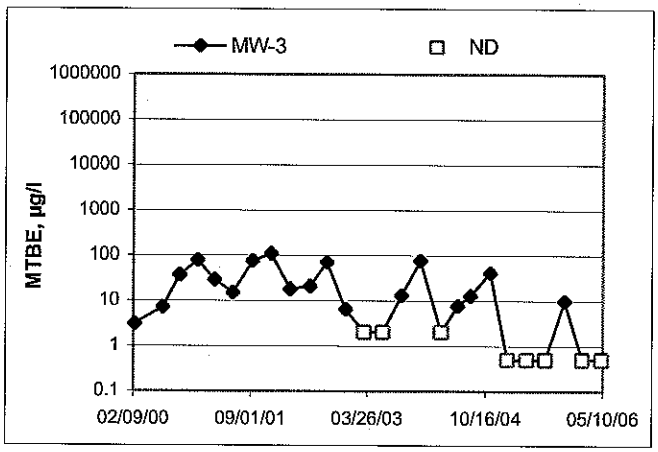
Benzene Concentrations vs Time
Former Circle K Store 01106

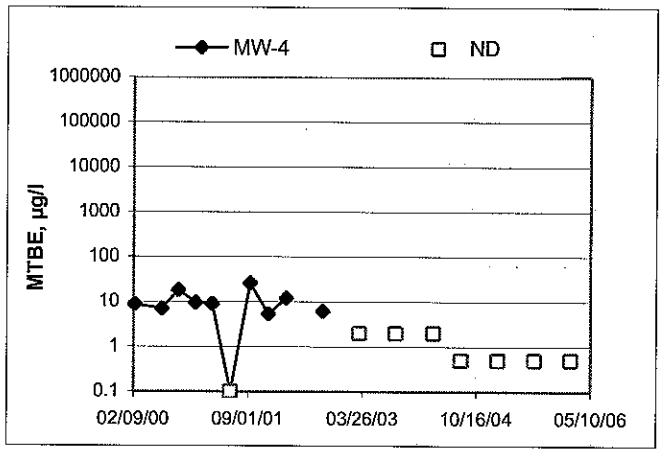


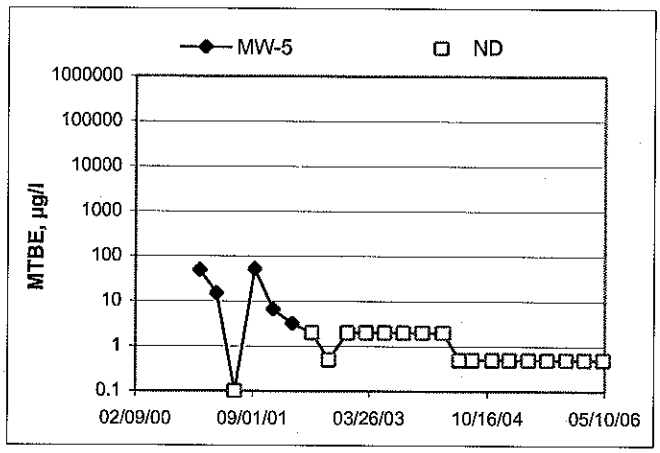
MTBE Concentrations vs Time
Former Circle K Store 01106

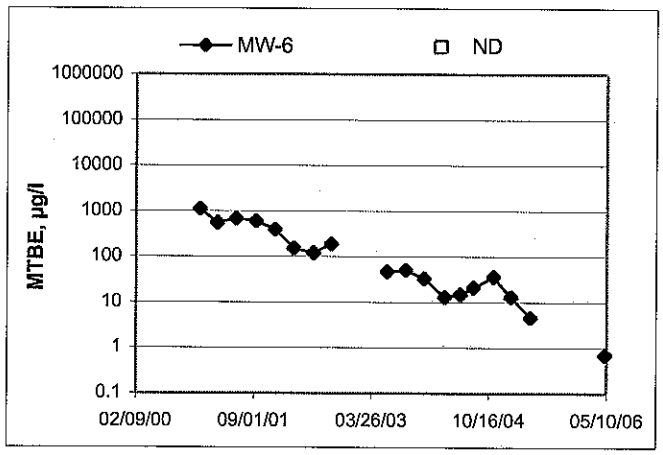


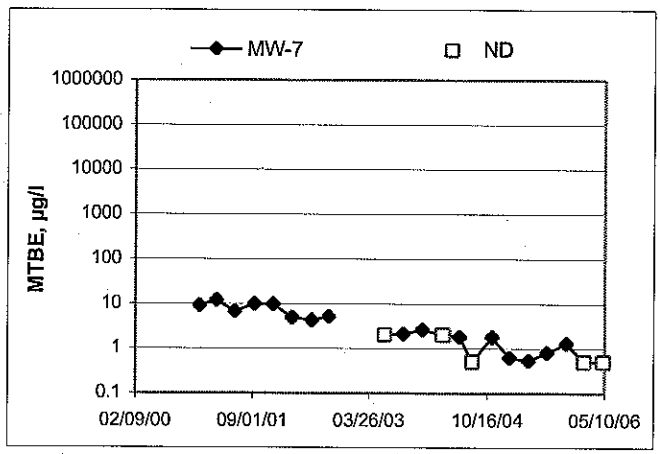


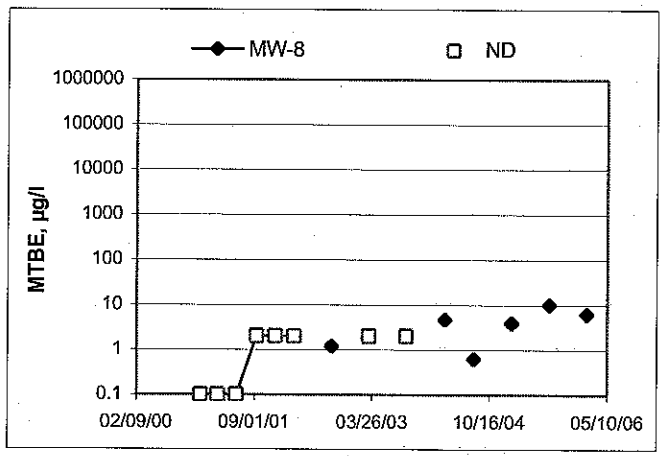




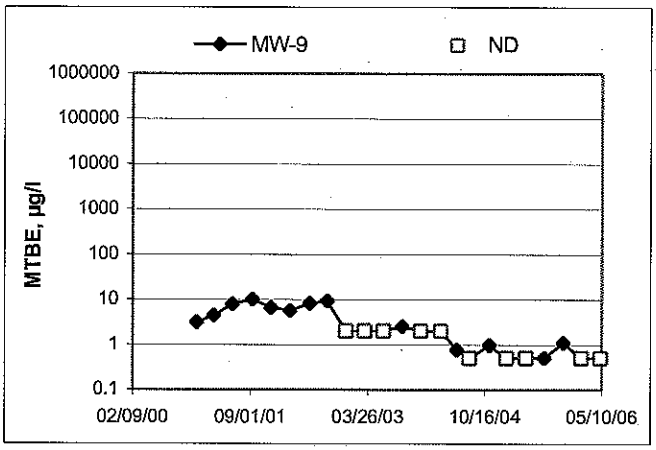








MTBE Concentrations vs Time
Former Circle K Store 01106



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 measurements 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, sample time, and the sampler's 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 the 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 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 wells, 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: 05-03-06

Site # 01106 Project Manager A. Collins Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc.	D.O. Well Notes
MW-1	0512	✓	12.05	5.50	—	—	0536	2"	6.81
MW-5	0602	✓	12.07	4.56	—	—	0826	2"	5.95
MW-4	0608	✓	12.05	3.96	—	—	N/S	2"	2.84
MW-3	0617	✓	16.85	3.18	—	—	0900	2"	3.77
MW-2	0621		12.06	3.64	—	—	0930	2"	4.58

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

WTT CERTIFICATE MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL ✓

FIELD MONITORING DATA SHEET

Technician: Nate, Athony Job #/Task #: 41105000/FA20 Date: 05/03/06

Site # 01106 Project Manager A-collins Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-1							0536	
MW-9	0544	—	19.78	5.94	—	—	0830	2" 2.17
MW-7	0603	—	17.37	6.94	—	—	0901	2" 3.57
MW-5							0826	
MW-4							N/S	
MW-3							0906	
MW-8	0615	—	19.75	10.45	—	—	N/S	2" 4.05
MW-6	0635	—	15.64	4.19	—	—	0925	2" 4.80
MW-2							0930	

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: 05-03-06

Well No.: MW-1 Purge Method: HB

Depth to Water (feet): 5.50 Depth to Product (feet): —

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

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

80% Recharge Depth (feet): 7.81 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.
0517			2	0.12	47.5	3.35		
			4	0.13	49.4	3.28		
	0522		6	0.14	50.6	3.22		

Static at Time Sampled		Total Gallons Purged	Time Sampled
5.95		6	0536

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:

GROUNDWATER SAMPLING FIELD NOTES

Site: 01106

Technician: Anthony

Project No.: 41050001

Date: 05-03-06

Well No.: MW-9

Purge Method: HB

Depth to Water (feet): 5.94

Depth to Product (feet): –

Total Depth (feet): 19.78

LPH & Water Recovered (gallons): –

Water Column (feet): 13.84

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 8.71

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.
0718			2	0.22	50.9	2.52		
			4	0.25	52.9	2.58		
	0723		6	0.26	53.6	2.57		

Static at Time Sampled		Total Gallons Purged	Time Sampled
5.94		6	0830

Comments:

Well No.: MW-7

Purge Method: HB

Depth to Water (feet): 6.94

Depth to Product (feet): –

Total Depth (feet): 17.37

LPH & Water Recovered (gallons): –

Water Column (feet): 10.43

Casing Diameter (Inches): 2

80% Recharge Depth (feet): 9.03

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.
0735			2	0.21	50.5	2.74		
			4	0.30	53.5	2.79		
	0740		6	0.35	54.7	2.89		

Static at Time Sampled		Total Gallons Purged	Time Sampled
6.94		6	0901

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Anthony

Site: 01106

Project No.: 41050001

Date: 05-03-06

Well No.: MW-6

Purge Method: HB

Depth to Water (feet): 4.19

Depth to Product (feet): —

Total Depth (feet): 15.64

LPH & Water Recovered (gallons): —

Water Column (feet): 11.45

Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 6.48

1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0800			2	0.28	53.4	2.98		
			4	0.24	55.7	2.97		
	0805		6	0.21	56.5	2.94		

Static at Time Sampled		Total Gallons Purged	Time Sampled
4.20		6	0925

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:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Nate

Site: 01106 Project No.: 41050001 Date: 05/03/06

Well No.: MW-5 Purge Method: N/A

Depth to Water (feet): 4.56 Depth to Product (feet): —

Total Depth (feet): 17.07 LPH & Water Recovered (gallons): —

Water Column (feet): 12.51 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 7.06 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.
0737			2	189.3	12.5	10.12		
			4	134.4	12.7	8.91		
	0740		6	126.4	13.1	9.33		

Static at Time Sampled		Total Gallons Purged	Time Sampled
4.66		6	0826

Comments:

Well No.: MW-3 Purge Method: N/A

Depth to Water (feet): 3.18 Depth to Product (feet): —

Total Depth (feet): 16.85 LPH & Water Recovered (gallons): —

Water Column (feet): 13.67 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 5.91 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.
0753			2	191.1	13.6	6.84		
			4	995.2	13.9	6.67		
	0756		6	181.9	14.2	6.42		

Static at Time Sampled		Total Gallons Purged	Time Sampled
3.53		6	0900

Comments:

GROUNDWATER SAMPLING FIELD NOTES

Technician: Nate

Site: 01106 Project No.: 41050001 Date: 05/03/06

Well No.: MW-2 Purge Method: DCA

Depth to Water (feet): 3.64 Depth to Product (feet): —

Total Depth (feet): 17.06 LPH & Water Recovered (gallons): —

Water Column (feet): 13.42 Casing Diameter (Inches): 2"

80% Recharge Depth (feet): 6.32 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth To Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	Turbidity	D.O.
0804			2	191.4	14.5	6.40		
			4	190.1	14.7	6.08		
	0907		6	186.5	14.7	6.06		

Static at Time Sampled	Total Gallons Purged	Time Sampled
4.62	6	0930

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:

BC Laboratories, Inc

Date of Report: 05/18/2006

Anju Farfan

TRC Alton Geoscience

21 Technology Drive
Irvine, CA 92618-2302

RE: 01106

BC Lab Number: 0604431

Enclosed are the results of analyses for samples received by the laboratory on 05/04/06 11:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Hooker
Client Service Rep

Authorized Signature

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BC Laboratories, Inc

TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0604431-01	**COC Number:** --- **Project Number:** 01106 **Sampling Location:** MW-9 **Sampling Point:** MW-9 **Sampled By:** Nate, Anthony of TRCI	**Receive Date:** 05/04/06 11:00 **Sampling Date:** 05/03/06 08:30 **Sample Depth:** --- **Sample Matrix:** Water	Delivery Work Order: Global ID: T0602300436 Matrix: W Samle QC Type (SACode): CS Cooler ID:		
0604431-02	**COC Number:** --- **Project Number:** 01106 **Sampling Location:** MW-1 **Sampling Point:** MW-1 **Sampled By:** Nate, Anthony of TRCI	**Receive Date:** 05/04/06 11:00 **Sampling Date:** 05/03/06 05:36 **Sample Depth:** --- **Sample Matrix:** Water	Delivery Work Order: Global ID: T0602300436 Matrix: W Samle QC Type (SACode): CS Cooler ID:		
0604431-03	**COC Number:** --- **Project Number:** 01106 **Sampling Location:** MW-7 **Sampling Point:** MW-7 **Sampled By:** Nate, Anthony of TRCI	**Receive Date:** 05/04/06 11:00 **Sampling Date:** 05/03/06 09:01 **Sample Depth:** --- **Sample Matrix:** Water	Delivery Work Order: Global ID: T0602300436 Matrix: W Samle QC Type (SACode): CS Cooler ID:		
0604431-04	**COC Number:** --- **Project Number:** 01106 **Sampling Location:** MW-5 **Sampling Point:** MW-5 **Sampled By:** Nate, Anthony of TRCI	**Receive Date:** 05/04/06 11:00 **Sampling Date:** 05/03/06 08:26 **Sample Depth:** --- **Sample Matrix:** Water	Delivery Work Order: Global ID: T0602300436 Matrix: W Samle QC Type (SACode): CS Cooler ID:		
0604431-05	**COC Number:** --- **Project Number:** 01106 **Sampling Location:** MW-3 **Sampling Point:** MW-3 **Sampled By:** Nate, Anthony of TRCI	**Receive Date:** 05/04/06 11:00 **Sampling Date:** 05/03/06 09:00 **Sample Depth:** --- **Sample Matrix:** Water	Delivery Work Order: Global ID: T06052300436 Matrix: W Samle QC Type (SACode): CS Cooler ID:		

TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0604431-06	**COC Number:** ---		**Receive Date:** 05/04/06 11:00		Delivery Work Order:
	Project Number: 01106		**Sampling Date:** 05/03/06 09:25		Global ID: T0602300436
	Sampling Location: MW-6		**Sample Depth:** ---		Matrix: W
	Sampling Point: MW-6		**Sample Matrix:** Water		Samle QC Type (SACode): CS
	Sampled By: Nate, Anthony of TRCI				Cooler ID:
0604431-07	**COC Number:** ---		**Receive Date:** 05/04/06 11:00		Delivery Work Order:
	Project Number: 01106		**Sampling Date:** 05/03/06 09:30		Global ID: T0602300436
	Sampling Location: MW-2		**Sample Depth:** ---		Matrix: W
	Sampling Point: MW-2		**Sample Matrix:** Water		Samle QC Type (SACode): CS
	Sampled By: Nate, Anthony of TRCI				Cooler ID:

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0604431-01 | **Client Sample Name:** 01106, MW-9, MW-9, 5/3/2006 8:30:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	05/11/06	05/11/06 12:52	CAR	MS-V6	1	BPE0582	ND	
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 12:52	CAR	MS-V6	1	BPE0582		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 12:52	CAR	MS-V6	1	BPE0582		
4-Bromofluorobenzene (Surrogate)	86.0	%	86 - 115 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 12:52	CAR	MS-V6	1	BPE0582		

BC Laboratories, Inc

TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0604431-01 | **Client Sample Name:** 01106, MW-9, MW-9, 5/3/2006 8:30:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 17:16	CAW	GC-V4	1	BPE0542	ND	A39
Toluene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 17:16	CAW	GC-V4	1	BPE0542	ND	A39
Ethylbenzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 17:16	CAW	GC-V4	1	BPE0542	ND	A39
Total Xylenes	ND	ug/L	0.60		EPA-8021	05/10/06	05/10/06 17:16	CAW	GC-V4	1	BPE0542	ND	A39
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	05/10/06	05/10/06 17:16	CAW	GC-V4	1	BPE0542	ND	A39
a,a,a-Trifluorotoluene (PID Surrogate)	80.4	%	70 - 130 (LCL - UCL)		EPA-8021	05/10/06	05/10/06 17:16	CAW	GC-V4	1	BPE0542		
a,a,a-Trifluorotoluene (FID Surrogate)	95.0	%	70 - 130 (LCL - UCL)		Luft	05/10/06	05/10/06 17:16	CAW	GC-V4	1	BPE0542		

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (General Chemistry)

BCL Sample ID: 0604431-01 | **Client Sample Name:** 01106, MW-9, MW-9, 5/3/2006 8:30:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	53	mg/L	2.5		EPA-310.1	05/12/06	05/12/06 12:30	MAR	BDB	1	BPE0741	0.95	
Nitrate as N	4.0	mg/L	0.10		EPA-300.0	05/04/06	05/04/06 22:09	NTN	IC1	1	BPE0266	ND	
Sulfate	25	mg/L	1.0		EPA-300.0	05/04/06	05/04/06 22:09	NTN	IC1	1	BPE0266	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-Fe	05/04/06	05/04/06 15:45	MV1	SPEC05	1	BPE0358	ND	
Chemical Oxygen Demand	25	mg O/L	25		EPA-410.4	05/09/06	05/09/06 12:30	MV1	SPEC05	1	BPE0492	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (Metals)

BCL Sample ID: 0604431-01 | **Client Sample Name:** 01106, MW-9, MW-9, 5/3/2006 8:30:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	35	ug/L	10		EPA-6010B	05/09/06	05/09/06 17:19	ARD	PE-OP1	1	BPE0418	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0604431-02 | **Client Sample Name:** 01106, MW-1, MW-1, 5/3/2006 5:36:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	05/11/06	05/11/06 13:17	CAR	MS-V6	1	BPE0582	ND	
1,2-Dichloroethane-d4 (Surrogate)	96.9	%	76 - 114 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 13:17	CAR	MS-V6	1	BPE0582		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 13:17	CAR	MS-V6	1	BPE0582		
4-Bromofluorobenzene (Surrogate)	91.1	%	86 - 115 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 13:17	CAR	MS-V6	1	BPE0582		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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BC Laboratories, Inc

TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0604431-02 | **Client Sample Name:** 01106, MW-1, MW-1, 5/3/2006 5:36:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 17:42	CAW	GC-V4	1	BPE0542	ND	
Toluene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 17:42	CAW	GC-V4	1	BPE0542	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 17:42	CAW	GC-V4	1	BPE0542	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	05/10/06	05/10/06 17:42	CAW	GC-V4	1	BPE0542	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	05/10/06	05/10/06 17:42	CAW	GC-V4	1	BPE0542	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	79.5	%	70 - 130	(LCL - UCL)	EPA-8021	05/10/06	05/10/06 17:42	CAW	GC-V4	1	BPE0542		
a,a,a-Trifluorotoluene (FID Surrogate)	94.8	%	70 - 130	(LCL - UCL)	Luft	05/10/06	05/10/06 17:42	CAW	GC-V4	1	BPE0542		

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BC Laboratories, Inc

TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (General Chemistry)

BCL Sample ID: 0604431-02 | **Client Sample Name:** 01106, MW-1, MW-1, 5/3/2006 5:36:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	18	mg/L	2.5		EPA-310.1	05/12/06	05/12/06 12:30	MAR	BDB	1	BPE0741	0.95	
Nitrate as N	7.0	mg/L	0.10		EPA-300.0	05/04/06	05/04/06 23:04	NTN	IC1	1	BPE0266	ND	
Sulfate	11	mg/L	1.0		EPA-300.0	05/04/06	05/04/06 23:04	NTN	IC1	1	BPE0266	ND	
Iron (II) Species	120	ug/L	100		SM-3500-Fe	05/04/06	05/04/06 15:45	MV1	SPEC05	1	BPE0358	ND	
Chemical Oxygen Demand	44	mg O/L	25		EPA-410.4	05/09/06	05/09/06 12:30	MV1	SPEC05	1	BPE0492	ND	

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BC Laboratories, Inc

TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (Metals)

BCL Sample ID: 0604431-02 | **Client Sample Name:** 01106, MW-1, MW-1, 5/3/2006 5:36:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	ND	ug/L	10		EPA-6010B	05/09/06	05/09/06 17:01	ARD	PE-OP1	1	BPE0418	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0604431-03 | **Client Sample Name:** 01106, MW-7, MW-7, 5/3/2006 9:01:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	05/11/06	05/11/06 13:41	CAR	MS-V6	1	BPE0582	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 13:41	CAR	MS-V6	1	BPE0582		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 13:41	CAR	MS-V6	1	BPE0582		
4-Bromofluorobenzene (Surrogate)	88.9	%	86 - 115 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 13:41	CAR	MS-V6	1	BPE0582		

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0604431-03 | **Client Sample Name:** 01106, MW-7, MW-7, 5/3/2006 9:01:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 18:08	CAW	GC-V4	1	BPE0542	ND	
Toluene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 18:08	CAW	GC-V4	1	BPE0542	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 18:08	CAW	GC-V4	1	BPE0542	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	05/10/06	05/10/06 18:08	CAW	GC-V4	1	BPE0542	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	05/10/06	05/10/06 18:08	CAW	GC-V4	1	BPE0542	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	79.4	%	70 - 130	(LCL - UCL)	EPA-8021	05/10/06	05/10/06 18:08	CAW	GC-V4	1	BPE0542		
a,a,a-Trifluorotoluene (FID Surrogate)	95.6	%	70 - 130	(LCL - UCL)	Luft	05/10/06	05/10/06 18:08	CAW	GC-V4	1	BPE0542		

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Water Analysis (General Chemistry)

BCL Sample ID: 0604431-03 | **Client Sample Name:** 01106, MW-7, MW-7, 5/3/2006 9:01:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	54	mg/L	2.5		EPA-310.1	05/12/06	05/12/06 12:30	MAR	BDB	1	BPE0741	0.95	
Nitrate as N	0.60	mg/L	0.10		EPA-300.0	05/04/06	05/05/06 00:18	NTN	IC1	1	BPE0266	ND	
Sulfate	61	mg/L	1.0		EPA-300.0	05/04/06	05/05/06 00:18	NTN	IC1	1	BPE0266	ND	
Iron (II) Species	1100	ug/L	100		SM-3500-Fe	05/04/06	05/04/06 15:45	MV1	SPEC05	1	BPE0358	ND	
Chemical Oxygen Demand	29	mg O/L	25		EPA-410.4	05/09/06	05/09/06 12:30	MV1	SPEC05	1	BPE0492	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (Metals)

BCL Sample ID: 0604431-03 | **Client Sample Name:** 01106, MW-7, MW-7, 5/3/2006 9:01:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	190	ug/L	10		EPA-6010B	05/09/06	05/09/06 17:04	ARD	PE-OP1	1	BPE0418	ND	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0604431-04 | **Client Sample Name:** 01106, MW-5, MW-5, 5/3/2006 8:26:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	05/11/06	05/11/06 14:06	CAR	MS-V6	1	BPE0582	ND	
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 14:06	CAR	MS-V6	1	BPE0582		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 14:06	CAR	MS-V6	1	BPE0582		
4-Bromofluorobenzene (Surrogate)	89.6	%	86 - 115 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 14:06	CAR	MS-V6	1	BPE0582		

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0604431-04 | **Client Sample Name:** 01106, MW-5, MW-5, 5/3/2006 8:26:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 18:34	CAW	GC-V4	1	BPE0542	ND	
Toluene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 18:34	CAW	GC-V4	1	BPE0542	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 18:34	CAW	GC-V4	1	BPE0542	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	05/10/06	05/10/06 18:34	CAW	GC-V4	1	BPE0542	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	05/10/06	05/10/06 18:34	CAW	GC-V4	1	BPE0542	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	78.0	%	70 - 130	(LCL - UCL)	EPA-8021	05/10/06	05/10/06 18:34	CAW	GC-V4	1	BPE0542		
a,a,a-Trifluorotoluene (FID Surrogate)	94.5	%	70 - 130	(LCL - UCL)	Luft	05/10/06	05/10/06 18:34	CAW	GC-V4	1	BPE0542		

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Water Analysis (General Chemistry)

BCL Sample ID: 0604431-04 | **Client Sample Name:** 01106, MW-5, MW-5, 5/3/2006 8:26:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	29	mg/L	2.5		EPA-310.1	05/12/06	05/12/06 12:30	MAR	BDB	1	BPE0741	0.95	
Nitrate as N	2.3	mg/L	0.10		EPA-300.0	05/04/06	05/05/06 00:36	NTN	IC1	1	BPE0266	ND	
Sulfate	11	mg/L	1.0		EPA-300.0	05/04/06	05/05/06 00:36	NTN	IC1	1	BPE0266	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-Fe	05/04/06	05/04/06 15:45	MV1	SPEC05	1	BPE0358	ND	
Chemical Oxygen Demand	25	mg O/L	25		EPA-410.4	05/09/06	05/09/06 12:30	MV1	SPEC05	1	BPE0492	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (Metals)

BCL Sample ID: 0604431-04 | **Client Sample Name:** 01106, MW-5, MW-5, 5/3/2006 8:26:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	ND	ug/L	10		EPA-6010B	05/09/06	05/09/06 17:37	ARD	PE-OP1	1	BPE0418	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0604431-05 | **Client Sample Name:** 01106, MW-3, MW-3, 5/3/2006 9:00:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	05/11/06	05/11/06 14:31	CAR	MS-V6	1	BPE0582	ND	
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 14:31	CAR	MS-V6	1	BPE0582		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 14:31	CAR	MS-V6	1	BPE0582		
4-Bromofluorobenzene (Surrogate)	87.0	%	86 - 115 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 14:31	CAR	MS-V6	1	BPE0582		

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0604431-05 | **Client Sample Name:** 01106, MW-3, MW-3, 5/3/2006 9:00:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 19:00	CAW	GC-V4	1	BPE0542	ND	
Toluene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 19:00	CAW	GC-V4	1	BPE0542	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 19:00	CAW	GC-V4	1	BPE0542	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	05/10/06	05/10/06 19:00	CAW	GC-V4	1	BPE0542	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	05/10/06	05/10/06 19:00	CAW	GC-V4	1	BPE0542	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	78.4	%	70 - 130	(LCL - UCL)	EPA-8021	05/10/06	05/10/06 19:00	CAW	GC-V4	1	BPE0542		
a,a,a-Trifluorotoluene (FID Surrogate)	95.9	%	70 - 130	(LCL - UCL)	Luft	05/10/06	05/10/06 19:00	CAW	GC-V4	1	BPE0542		

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Water Analysis (General Chemistry)

BCL Sample ID: 0604431-05 | **Client Sample Name:** 01106, MW-3, MW-3, 5/3/2006 9:00:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	14	mg/L	2.5		EPA-310.1	05/12/06	05/12/06 12:30	MAR	BDB	1	BPE0741	0.95	
Nitrate as N	10	mg/L	0.10		EPA-300.0	05/04/06	05/05/06 00:54	NTN	IC1	1	BPE0266	ND	
Sulfate	21	mg/L	1.0		EPA-300.0	05/04/06	05/05/06 00:54	NTN	IC1	1	BPE0266	ND	
Iron (II) Species	ND	ug/L	100		SM-3500-Fe	05/04/06	05/04/06 15:45	MV1	SPEC05	1	BPE0358	ND	
Chemical Oxygen Demand	25	mg O/L	25		EPA-410.4	05/09/06	05/09/06 12:30	MV1	SPEC05	1	BPE0492	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (Metals)

BCL Sample ID: 0604431-05 | **Client Sample Name:** 01106, MW-3, MW-3, 5/3/2006 9:00:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	28	ug/L	10		EPA-6010B	05/09/06	05/09/06 17:41	ARD	PE-OP1	1	BPE0418	ND	

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TRC Alton Geoscience
21 Technology Drive
Irvine CA, 92618-2302

Project: 01106
Project Number: [none]
Project Manager: Anju Farfan

Reported: 05/18/06 14:14

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0604431-06 | **Client Sample Name:** 01106, MW-6, MW-6, 5/3/2006 9:25:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methyl t-butyl ether	0.70	ug/L	0.50		EPA-8260	05/11/06	05/11/06 14:56	CAR	MS-V6	1	BPE0582	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 14:56	CAR	MS-V6	1	BPE0582		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 14:56	CAR	MS-V6	1	BPE0582		
4-Bromofluorobenzene (Surrogate)	90.9	%	86 - 115 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 14:56	CAR	MS-V6	1	BPE0582		

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BC Laboratories, Inc

TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0604431-06 | **Client Sample Name:** 01106, MW-6, MW-6, 5/3/2006 9:25:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 19:26	CAW	GC-V4	1	BPE0542	ND	
Toluene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 19:26	CAW	GC-V4	1	BPE0542	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 19:26	CAW	GC-V4	1	BPE0542	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	05/10/06	05/10/06 19:26	CAW	GC-V4	1	BPE0542	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	05/10/06	05/10/06 19:26	CAW	GC-V4	1	BPE0542	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	78.9	%	70 - 130 (LCL - UCL)		EPA-8021	05/10/06	05/10/06 19:26	CAW	GC-V4	1	BPE0542		
a,a,a-Trifluorotoluene (FID Surrogate)	96.5	%	70 - 130 (LCL - UCL)		Luft	05/10/06	05/10/06 19:26	CAW	GC-V4	1	BPE0542		

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (General Chemistry)

BCL Sample ID: 0604431-06 | **Client Sample Name:** 01106, MW-6, MW-6, 5/3/2006 9:25:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	67	mg/L	2.5		EPA-310.1	05/12/06	05/12/06 13:30	MAR	BDB	1	BPE0764	1.4	
Nitrate as N	0.86	mg/L	0.10		EPA-300.0	05/04/06	05/05/06 01:13	NTN	IC1	1	BPE0266	ND	
Sulfate	29	mg/L	1.0		EPA-300.0	05/04/06	05/05/06 01:13	NTN	IC1	1	BPE0266	ND	
Iron (II) Species	150	ug/L	100		SM-3500-Fe	05/04/06	05/04/06 15:45	MV1	SPEC05	1	BPE0358	ND	
Chemical Oxygen Demand	27	mg O/L	25		EPA-410.4	05/09/06	05/09/06 12:30	MV1	SPEC05	1	BPE0492	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (Metals)

BCL Sample ID: 0604431-06 | **Client Sample Name:** 01106, MW-6, MW-6, 5/3/2006 9:25:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	380	ug/L	10		EPA-6010B	05/09/06	05/09/06 17:45	ARD	PE-OP1	1	BPE0418	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0604431-07 | **Client Sample Name:** 01106, MW-2, MW-2, 5/3/2006 9:30:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Methyl t-butyl ether	13	ug/L	0.50		EPA-8260	05/11/06	05/11/06 15:20	CAR	MS-V6	1	BPE0582	ND	
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 15:20	CAR	MS-V6	1	BPE0582		
Toluene-d8 (Surrogate)	102	%	88 - 110 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 15:20	CAR	MS-V6	1	BPE0582		
4-Bromofluorobenzene (Surrogate)	87.8	%	86 - 115 (LCL - UCL)		EPA-8260	05/11/06	05/11/06 15:20	CAR	MS-V6	1	BPE0582		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0604431-07 | **Client Sample Name:** 01106, MW-2, MW-2, 5/3/2006 9:30:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 22:12	CAW	GC-V4	1	BPE0542	ND	
Toluene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 22:12	CAW	GC-V4	1	BPE0542	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	05/10/06	05/10/06 22:12	CAW	GC-V4	1	BPE0542	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	05/10/06	05/10/06 22:12	CAW	GC-V4	1	BPE0542	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	05/10/06	05/10/06 22:12	CAW	GC-V4	1	BPE0542	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	80.4	%	70 - 130	(LCL - UCL)	EPA-8021	05/10/06	05/10/06 22:12	CAW	GC-V4	1	BPE0542		
a,a,a-Trifluorotoluene (FID Surrogate)	96.7	%	70 - 130	(LCL - UCL)	Luft	05/10/06	05/10/06 22:12	CAW	GC-V4	1	BPE0542		

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Water Analysis (General Chemistry)

BCL Sample ID: 0604431-07 | **Client Sample Name:** 01106, MW-2, MW-2, 5/3/2006 9:30:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Alkalinity as CaCO3	31	mg/L	2.5		EPA-310.1	05/12/06	05/12/06 13:30	MAR	BDB	1	BPE0764	1.4	
Nitrate as N	5.5	mg/L	0.10		EPA-300.0	05/04/06	05/05/06 01:31	NTN	IC1	1	BPE0266	ND	
Sulfate	15	mg/L	1.0		EPA-300.0	05/04/06	05/05/06 01:31	NTN	IC1	1	BPE0266	ND	
Iron (II) Species	120	ug/L	100		SM-3500-Fe	05/04/06	05/04/06 15:45	MV1	SPEC05	1	BPE0358	ND	
Chemical Oxygen Demand	25	mg O/L	25		EPA-410.4	05/09/06	05/09/06 12:30	MV1	SPEC05	1	BPE0492	ND	

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Water Analysis (Metals)

BCL Sample ID: 0604431-07 | **Client Sample Name:** 01106, MW-2, MW-2, 5/3/2006 9:30:00AM, Nate, Anthony

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Manganese	ND	ug/L	10		EPA-6010B	05/09/06	05/09/06 17:48	ARD	PE-OP1	1	BPE0418	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	BPE0582	BPE0582-MS1	Matrix Spike	ND	10.044	10.000	ug/L		100		76 - 114	
		BPE0582-MSD1	Matrix Spike Duplicate	ND	9.8316	10.000	ug/L		98.3		76 - 114	
Toluene-d8 (Surrogate)	BPE0582	BPE0582-MS1	Matrix Spike	ND	9.9142	10.000	ug/L		99.1		88 - 110	
		BPE0582-MSD1	Matrix Spike Duplicate	ND	10.118	10.000	ug/L		101		88 - 110	
4-Bromofluorobenzene (Surrogate)	BPE0582	BPE0582-MS1	Matrix Spike	ND	9.6405	10.000	ug/L		96.4		86 - 115	
		BPE0582-MSD1	Matrix Spike Duplicate	ND	9.8440	10.000	ug/L		98.4		86 - 115	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BPE0542	BPE0542-MS1	Matrix Spike	ND	37.290	40.000	ug/L		93.2		70 - 130	
		BPE0542-MSD1	Matrix Spike Duplicate	ND	39.941	40.000	ug/L	6.94	99.9	20	70 - 130	
Toluene	BPE0542	BPE0542-MS1	Matrix Spike	ND	36.211	40.000	ug/L		90.5		70 - 130	
		BPE0542-MSD1	Matrix Spike Duplicate	ND	37.476	40.000	ug/L	3.47	93.7	20	70 - 130	
Ethylbenzene	BPE0542	BPE0542-MS1	Matrix Spike	ND	36.989	40.000	ug/L		92.5		70 - 130	
		BPE0542-MSD1	Matrix Spike Duplicate	ND	38.150	40.000	ug/L	3.09	95.4	20	70 - 130	
Total Xylenes	BPE0542	BPE0542-MS1	Matrix Spike	ND	113.57	120.00	ug/L		94.6		70 - 130	
		BPE0542-MSD1	Matrix Spike Duplicate	ND	117.57	120.00	ug/L	3.53	98.0	20	70 - 130	
Gasoline Range Organics (C4 - C12)	BPE0542	BPE0542-MS1	Matrix Spike	ND	1024.1	1000.0	ug/L		102		70 - 130	
		BPE0542-MSD1	Matrix Spike Duplicate	ND	909.57	1000.0	ug/L	11.4	91.0	20	70 - 130	
a,a,a-Trifluorotoluene (PID Surrogate)	BPE0542	BPE0542-MS1	Matrix Spike	ND	36.804	40.000	ug/L		92.0		70 - 130	
		BPE0542-MSD1	Matrix Spike Duplicate	ND	38.332	40.000	ug/L		95.8		70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BPE0542	BPE0542-MS1	Matrix Spike	ND	39.134	40.000	ug/L		97.8		70 - 130	
		BPE0542-MSD1	Matrix Spike Duplicate	ND	39.263	40.000	ug/L		98.2		70 - 130	

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Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Nitrate as N	BPE0266	BPE0266-DUP1	Duplicate	6.9850	6.9740		mg/L	0.158		10		
		BPE0266-MS1	Matrix Spike	6.9850	11.984	5.0505	mg/L		99.0		80 - 120	
		BPE0266-MSD1	Matrix Spike Duplicate	6.9850	12.010	5.0505	mg/L	0.504	99.5	10	80 - 120	
Sulfate	BPE0266	BPE0266-DUP1	Duplicate	11.256	11.222		mg/L	0.303		10		
		BPE0266-MS1	Matrix Spike	11.256	113.88	101.01	mg/L		102		80 - 120	
		BPE0266-MSD1	Matrix Spike Duplicate	11.256	113.88	101.01	mg/L	0.00	102	10	80 - 120	
Iron (II) Species	BPE0358	BPE0358-DUP1	Duplicate	ND	ND		ug/L			10		
Chemical Oxygen Demand	BPE0492	BPE0492-DUP1	Duplicate	25.000	25.000		mg O/L	0.00		20		
		BPE0492-MS1	Matrix Spike	25.000	814.78	750.00	mg O/L		105		80 - 120	
		BPE0492-MSD1	Matrix Spike Duplicate	25.000	814.78	750.00	mg O/L	0.00	105	20	80 - 120	
Total Alkalinity as CaCO3	BPE0741	BPE0741-DUP1	Duplicate	703.60	695.92		mg/L	1.10		10		
		BPE0741-MS1	Matrix Spike	703.60	1179.0	500.00	mg/L		95.1		80 - 120	
		BPE0741-MSD1	Matrix Spike Duplicate	703.60	1175.1	500.00	mg/L	0.845	94.3	10	80 - 120	
Total Alkalinity as CaCO3	BPE0764	BPE0764-DUP1	Duplicate	471.60	479.20		mg/L	1.60		10		
		BPE0764-MS1	Matrix Spike	471.60	954.56	500.00	mg/L		96.6		80 - 120	
		BPE0764-MSD1	Matrix Spike Duplicate	471.60	954.56	500.00	mg/L	0.00	96.6	10	80 - 120	

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Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample ID	QC Sample Type	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Manganese	BPE0418	BPE0418-DUP1	Duplicate	34.670	33.769		ug/L	2.63		20		
		BPE0418-MS1	Matrix Spike	34.670	251.25	204.08	ug/L		106		75 - 125	
		BPE0418-MSD1	Matrix Spike Duplicate	34.670	253.56	204.08	ug/L	0.939	107	20	75 - 125	

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
1,2-Dichloroethane-d4 (Surrogate)	BPE0582	BPE0582-BS1	LCS	9.6449	10.000		ug/L	96.4		76 - 114		
Toluene-d8 (Surrogate)	BPE0582	BPE0582-BS1	LCS	9.9464	10.000		ug/L	99.5		88 - 110		
4-Bromofluorobenzene (Surrogate)	BPE0582	BPE0582-BS1	LCS	9.7282	10.000		ug/L	97.3		86 - 115		

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BPE0542	BPE0542-BS1	LCS	37.164	40.000	0.30	ug/L	92.9		85 - 115		
Toluene	BPE0542	BPE0542-BS1	LCS	35.824	40.000	0.30	ug/L	89.6		85 - 115		
Ethylbenzene	BPE0542	BPE0542-BS1	LCS	36.631	40.000	0.30	ug/L	91.6		85 - 115		
Total Xylenes	BPE0542	BPE0542-BS1	LCS	113.02	120.00	0.60	ug/L	94.2		85 - 115		
Gasoline Range Organics (C4 - C12)	BPE0542	BPE0542-BS1	LCS	1051.6	1000.0	50	ug/L	105		85 - 115		
a,a,a-Trifluorotoluene (PID Surrogate)	BPE0542	BPE0542-BS1	LCS	37.800	40.000		ug/L	94.5		70 - 130		
a,a,a-Trifluorotoluene (FID Surrogate)	BPE0542	BPE0542-BS1	LCS	39.118	40.000		ug/L	97.8		70 - 130		

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Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Nitrate as N	BPE0266	BPE0266-BS1	LCS	4.9570	5.0000	0.50	mg/L	99.1		90 - 110		
Sulfate	BPE0266	BPE0266-BS1	LCS	101.09	100.00	1.0	mg/L	101		90 - 110		
Iron (II) Species	BPE0358	BPE0358-BS1	LCS	2009.4	2000.0	100	ug/L	100		90 - 110		
Chemical Oxygen Demand	BPE0492	BPE0492-BS1	LCS	771.28	750.00	25	mg O/L	103		85 - 115		
Total Alkalinity as CaCO3	BPE0741	BPE0741-BS1	LCS	97.450	100.00	2.5	mg/L	97.4		90 - 110		
Total Alkalinity as CaCO3	BPE0764	BPE0764-BS1	LCS	99.830	100.00	2.5	mg/L	99.8		90 - 110		

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Manganese	BPE0418	BPE0418-BS1	LCS	212.12	200.00	10	ug/L	106		85 - 115		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Methyl t-butyl ether	BPE0582	BPE0582-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloroethane-d4 (Surrogate)	BPE0582	BPE0582-BLK1	96.4	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BPE0582	BPE0582-BLK1	99.5	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BPE0582	BPE0582-BLK1	88.9	%	86 - 115 (LCL - UCL)		

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BPE0542	BPE0542-BLK1	ND	ug/L	0.30	0.13	
Toluene	BPE0542	BPE0542-BLK1	ND	ug/L	0.30	0.15	
Ethylbenzene	BPE0542	BPE0542-BLK1	ND	ug/L	0.30	0.13	
Total Xylenes	BPE0542	BPE0542-BLK1	ND	ug/L	0.60	0.51	
Gasoline Range Organics (C4 - C12)	BPE0542	BPE0542-BLK1	ND	ug/L	50	14	
a,a,a-Trifluorotoluene (PID Surrogate)	BPE0542	BPE0542-BLK1	81.2	%	70 - 130 (LCL - UCL)		
a,a,a-Trifluorotoluene (FID Surrogate)	BPE0542	BPE0542-BLK1	100	%	70 - 130 (LCL - UCL)		

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Nitrate as N	BPE0266	BPE0266-BLK1	ND	mg/L	0.50	0.018	
Sulfate	BPE0266	BPE0266-BLK1	ND	mg/L	1.0	0.11	
Iron (II) Species	BPE0358	BPE0358-BLK1	ND	ug/L	100	100	
Chemical Oxygen Demand	BPE0492	BPE0492-BLK1	ND	mg O/L	25	3.5	
Total Alkalinity as CaCO3	BPE0741	BPE0741-BLK1	ND	mg/L	2.5	2.5	
Total Alkalinity as CaCO3	BPE0764	BPE0764-BLK1	ND	mg/L	2.5	2.5	

TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Manganese	BPE0418	BPE0418-BLK1	ND	ug/L	10	5.3	

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TRC Alton Geoscience 21 Technology Drive Irvine CA, 92618-2302	Project: 01106 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 05/18/06 14:14

Notes and Definitions

J	Estimated value
A39	Sample received at pH greater than 2.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

BC Laboratories, Inc

May 15, 2006

TRC
21 Technology Drive
Irvine, CA 92618

Site: 01106
Sample ID: 0604431-01 – MW-9
0604431-02 – MW-1
0604431-03 – MW-7
0604431-04 – MW-5
0604431-05 – MW-3
0604431-06 – MW-6
0604431-07 – MW-2

Attached are the results for Methane analyzed by Inland Empire Analytical.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
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Inland Empire Analytical

2051 Pacific Avenue, Norco, CA 92860
Ph (951) 371-5048 gpouellette@earthlink.net

5/11/2006

Vanessa Hooker
BC Laboratories
4100 Atlas Court
Bakersfield, CA 93308

Client Project:	06-04431
Samples Collected	5-3-2006
Samples Analyzed	5-9-2006
Inland Empire Analytical#	WO 810

Vanessa,

Enclosed as table 1 are the results of the methane in ground water analyses for the seven samples received from project 06-04431 sampled on May 3, 2006.

The samples were received on May 9, 2006 on ice and in good condition. The samples were kept at 4C until analyzed for dissolved methane by EPA RSK SOP-175 on May 9, 2006. Holding time for this test is 14 days.

This completes all requests for analyses associated with this set of samples.

Reviewed and approved
Gregory P. Ouellette

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

Inland Empire Analytical

Client: BC Laboratories
Client Project #: 06-04431
Sample date: May 3, 2006
Analysis Date: May 9, 2006

Dissolved Methane by RSKSOP-175M

BC Lab #	IEA #	Well #	Methane mg/L
06-04431-01	810-1	MW-9	<0.001
06-04431-02	810-2	MW-1	<0.001
06-04431-03	810-3	MW-7	<0.001
06-04431-04	810-4	MW-5	<0.001
06-04431-05	810-5	MW-3	<0.001
06-04431-06	810-6	MW-6	<0.001
06-04431-07	810-7	MW-2	<0.001

GC QA/QC Data

	Methane ppm
Mix M1K----Actual	1005
Mix M1K----Observed	1028
Percent of actual	102.3

Method QA/QC Data

CH4 spike in Distilled H2O	Methane mg/L
Actual	0.057
Observed	0.051
Percent of actual	89.5
Actual	0.057
Observed	0.054
Percent of actual	94.7
Actual	2.790
Observed	2.655
Percent of actual	95.2
Actual	2.790
Observed	2.734
Percent of actual	98.0

Table 1

SUBCONTRACT ORDER

BC Laboratories

0604431

SENDING LABORATORY:

BC Laboratories
4100 Atlas Ct
Bakersfield, CA 93308
Phone: 661-327-4911
Fax: 661-327-1918
Project Manager: Vanessa Hooker

RECEIVING LABORATORY:

Inland Empire Labs $INLNM
2051 Pacific Ave.
Norco, CA 92860
Phone :(951) 371-5048
Fax: (951) 371-7902

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 0604431-01	**Water**	**Sampled:05/03/06 08:30**	[redacted]	MW-9
ogRSK175w Diss Methane INL	05/18/06 17:00	05/17/06 08:30		
Containers Supplied: 4 OZ. Amber				
Sample ID: 0604431-02	**Water**	**Sampled:05/03/06 05:36**	[redacted]	MW-1
ogRSK175w Diss Methane INL	05/18/06 17:00	05/17/06 05:36		
Containers Supplied:				
Sample ID: 0604431-03	**Water**	**Sampled:05/03/06 09:01**	[redacted]	MW-7
ogRSK175w Diss Methane INL	05/18/06 17:00	05/17/06 09:01		
Containers Supplied:				
Sample ID: 0604431-04	**Water**	**Sampled:05/03/06 08:26**	[redacted]	MW-5
ogRSK175w Diss Methane INL	05/18/06 17:00	05/17/06 08:26		
Containers Supplied:				
Sample ID: 0604431-05	**Water**	**Sampled:05/03/06 09:00**	[redacted]	MW-3
ogRSK175w Diss Methane INL	05/18/06 17:00	05/17/06 09:00		
Containers Supplied:				
Sample ID: 0604431-06	**Water**	**Sampled:05/03/06 09:25**	[redacted]	MW-6
ogRSK175w Diss Methane INL	05/18/06 17:00	05/17/06 09:25		
Containers Supplied:				

[signature] 5-8-06 1600 [signature] 5-9-06 09:30

Released By | Date | Received By | Date

Released By | Date | Received By | Date

SUBCONTRACT ORDER

BC Laboratories

0604431

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 0604431-07	**Water**	**Sampled:05/03/06 09:30**	[redacted]	MW-2
ogRSK175w Diss Methane INL	05/18/06 17:00	05/17/06 09:30		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	5-8-06 1600	[signature]	5-9-06 09:30
Released By	Date	Received By	Date

BC Laboratories, Inc

May 23, 2006

TRC
21 Technology Drive
Irvine, CA 92618

Site: 01106
Sample ID: 0604431-01 – MW-9
0604431-02 – MW-1
0604431-03 – MW-7
0604431-04 – MW-5
0604431-05 – MW-3
0604431-06 – MW-6
0604431-07 – MW-2

Attached are the results for Carbon Dioxide analyzed by Zalco Labs.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
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ZALCO LABORATORIES, INC.
Analytical & Consulting Services

4309 Armour Avenue
Bakersfield, California 93308

(661) 395-0539
FAX (661) 395-3069

Thursday, May 18, 2006

Vanessa Hooker
BC Laboratories Inc
4100 Atlas Court
Bakersfield, CA 93308

TEL: (661) 852-4201
FAX (661) 327-1918

RE: 0604431

Order No.: 0605134

Dear Vanessa Hooker:

Zalco Laboratories, Inc. received 7 sample(s) on 5/9/2006 for the analyses presented in the following report.

We appreciate your business and look forward to serving you in the future. Please feel free to call our office if you have any questions regarding these test results.

Sincerely,

Zalco Laboratories, Inc.
(661) 395-0539

This report is furnished for the exclusive use of our Customer and applies only to the samples tested. Zalco is not responsible for report alteration or detachment.

ZALCO LABORATORIES, INC.
Analytical and Consulting Services
4309 Armour Avenue
Bakersfield, California 93308
(661) 395-0539
FAX (661) 395-3069

CLIENT:	BC Laboratories Inc	**Report Date:**	5/18/2006
Lab Order:	0605134	**DateReceived:**	5/9/2006 9:30:00 AM
Project:	0604431	**Lab ID:**	0605134-001A
Client Sample ID:	0604431-01	**Collection Date:**	5/3/2006 8:30:00 AM
Report Comment:		**Matrix:**	WATER

Analyses	Method	Result	Units	DLR	Date Analyzed	Qual.
CARBON DIOXIDE						
Carbon Dioxide	SM4500-CO2	60	mg/L	0.40	5/17/2006	H

Qualifiers / Abbreviations:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
H - Hold Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
DLR: Detection Limit for Reporting
NSS - Non-Sufficient Sample Amount

ZALCO LABORATORIES, INC.
Analytical and Consulting Services
4309 Armour Avenue
Bakersfield, California 93308
(661) 395-0539
FAX (661) 395-3069

CLIENT:	BC Laboratories Inc	**Report Date:**	5/18/2006
Lab Order:	0605134	**DateReceived:**	5/9/2006 9:30:00 AM
Project:	0604431	**Lab ID:**	0605134-002A
Client Sample ID:	0604431-02	**Collection Date:**	5/3/2006 5:36:00 AM
Report Comment:		**Matrix:**	WATER

Analyses	Method	Result	Units	DLR	Date Analyzed	Qual.
CARBON DIOXIDE						
Carbon Dioxide	SM4500-CO2	43	mg/L	1.0	5/17/2006	H

Qualifiers / Abbreviations:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
H - Hold Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
DLR: Detection Limit for Reporting
NSS - Non-Sufficient Sample Amount

ZALCO LABORATORIES, INC.
Analytical and Consulting Services
4309 Armour Avenue
Bakersfield, California 93308
(661) 395-0539
FAX (661) 395-3069

CLIENT:	BC Laboratories Inc	**Report Date:**	5/18/2006
Lab Order:	0605134	**DateReceived:**	5/9/2006 9:30:00 AM
Project:	0604431	**Lab ID:**	0605134-003A
Client Sample ID:	0604431-03	**Collection Date:**	5/3/2006 9:01:00 AM
Report Comment:		**Matrix:**	WATER

Analyses	Method	Result	Units	DLR	Date Analyzed	Qual.
CARBON DIOXIDE						
Carbon Dioxide	SM4500-CO2	69	mg/L	0.40	5/17/2006	H

Qualifiers / Abbreviations:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
H - Hold Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
DLR: Detection Limit for Reporting
NSS - Non-Sufficient Sample Amount

ZALCO LABORATORIES, INC.
Analytical and Consulting Services
4309 Armour Avenue
Bakersfield, California 93308
(661) 395-0539
FAX (661) 395-3069

CLIENT:	BC Laboratories Inc	**Report Date:**	5/18/2006
Lab Order:	0605134	**DateReceived:**	5/9/2006 9:30:00 AM
Project:	0604431	**Lab ID:**	0605134-004A
Client Sample ID:	0604431-04	**Collection Date:**	5/3/2006 8:26:00 AM
Report Comment:		**Matrix:**	WATER

Analyses	Method	Result	Units	DLR	Date Analyzed	Qual.
CARBON DIOXIDE						
Carbon Dioxide	SM4500-CO2	52	mg/L	0.40	5/17/2006	H

Qualifiers / Abbreviations:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
H - Hold Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
DLR: Detection Limit for Reporting
NSS - Non-Sufficient Sample Amount

ZALCO LABORATORIES, INC.
Analytical and Consulting Services
4309 Armour Avenue
Bakersfield, California 93308
(661) 395-0539
FAX (661) 395-3069

CLIENT:	BC Laboratories Inc	**Report Date:**	5/18/2006
Lab Order:	0605134	**DateReceived:**	5/9/2006 9:30:00 AM
Project:	0604431	**Lab ID:**	0605134-005A
Client Sample ID:	0604431-05	**Collection Date:**	5/3/1963 9:00:00 AM
Report Comment:		**Matrix:**	WATER

Analyses	Method	Result	Units	DLR	Date Analyzed	Qual.
CARBON DIOXIDE						
Carbon Dioxide	SM4500-CO2	32	mg/L	0.40	5/17/2006	H

Qualifiers / Abbreviations:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
H - Hold Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
DLR: Detection Limit for Reporting
NSS - Non-Sufficient Sample Amount

ZALCO LABORATORIES, INC.
Analytical and Consulting Services
4309 Armour Avenue
Bakersfield, California 93308
(661) 395-0539
FAX (661) 395-3069

CLIENT:	BC Laboratories Inc	**Report Date:**	5/18/2006
Lab Order:	0605134	**DateReceived:**	5/9/2006 9:30:00 AM
Project:	0604431	**Lab ID:**	0605134-006A
Client Sample ID:	0604431-06	**Collection Date:**	5/3/2006 9:25:00 AM
Report Comment:		**Matrix:**	WATER

Analyses	Method	Result	Units	DLR	Date Analyzed	Qual.
CARBON DIOXIDE						
Carbon Dioxide	SM4500-CO2	57	mg/L	0.40	5/17/2006	H

Qualifiers / Abbreviations:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
H - Hold Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
DLR: Detection Limit for Reporting
NSS - Non-Sufficient Sample Amount

ZALCO LABORATORIES, INC.
Analytical and Consulting Services
4309 Armour Avenue
Bakersfield, California 93308
(661) 395-0539
FAX (661) 395-3069

CLIENT:	BC Laboratories Inc	**Report Date:**	5/18/2006
Lab Order:	0605134	**DateReceived:**	5/9/2006 9:30:00 AM
Project:	0604431	**Lab ID:**	0605134-007A
Client Sample ID:	0604431-07	**Collection Date:**	5/3/2006 9:30:00 AM
Report Comment:		**Matrix:**	WATER

Analyses	Method	Result	Units	DLR	Date Analyzed	Qual.
CARBON DIOXIDE						
Carbon Dioxide	SM4500-CO2	31	mg/L	0.40	5/17/2006	H

Qualifiers / Abbreviations:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
H - Hold Time Exceeded
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
DLR: Detection Limit for Reporting
NSS - Non-Sufficient Sample Amount

SUBCONTRACT ORDER

BC Laboratories

0604431

0605134

SENDING LABORATORY:

BC Laboratories
4100 Atlas Ct
Bakersfield, CA 93308
Phone: 661-327-4911
Fax: 661-327-1918
Project Manager: Vanessa Hooker

RECEIVING LABORATORY:

Zalco Laboratories $ZLCLB
4309 Armour
Bakersfield, CA 93308
Phone :395-0539
Fax: 395-3069

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 0604431-01	**Water**	**Sampled:05/03/06 08:30**		
oiSM4500-CO2w CO2 ZLCLB	05/18/06 17:00	05/04/06 08:30		MW-9
Containers Supplied: pint pe				
Sample ID: 0604431-02	**Water**	**Sampled:05/03/06 05:36**		
oiSM4500-CO2w CO2 ZLCLB	05/18/06 17:00	05/04/06 05:36		MW-1
Containers Supplied:				
Sample ID: 0604431-03	**Water**	**Sampled:05/03/06 09:01**		
oiSM4500-CO2w CO2 ZLCLB	05/18/06 17:00	05/04/06 09:01		MW-7
Containers Supplied:				
Sample ID: 0604431-04	**Water**	**Sampled:05/03/06 08:26**		
oiSM4500-CO2w CO2 ZLCLB	05/18/06 17:00	05/04/06 08:26		MW-5
Containers Supplied:				
Sample ID: 0604431-05	**Water**	**Sampled:05/03/06 09:00**		
oiSM4500-CO2w CO2 ZLCLB	05/18/06 17:00	05/04/06 09:00		MW-3
Containers Supplied:				
Sample ID: 0604431-06	**Water**	**Sampled:05/03/06 09:25**		
oiSM4500-CO2w CO2 ZLCLB	05/18/06 17:00	05/04/06 09:25		MW-6
Containers Supplied:				

Released By	Date	Received By	Date
Christine Molina	~~5-8-06~~ 5-9-06 8:00	[illegible]	5/9/06 0920
[illegible]	5/9/06	Rose Ennis	5/9/06 9:30

temp 6.2

SUBCONTRACT ORDER

BC Laboratories

0604431

0605134

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 0604431-07	**Water**	**Sampled:05/03/06 09:30**	[redacted]	
oiSM4500-CO2w CO2 ZLCLB	05/18/06 17:00	05/04/06 09:30		
Containers Supplied:				MW-2

Kristin E Molina 5-9-06 ~~5-8-06~~ 8:00 — Released By / Date

[signature] 5/9/06 C0920 — Received By / Date

[signature] 5/9/06 — Released By / Date

Rose Ennis 5/9 9:30 — Received By / Date

C LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 10 01/21/04 Page 1 Of 2

ubmission #: 06-0443 | Project Code: | TB Batch #

SHIPPING INFORMATION

ederal Express ☒ UPS ☐ Hand Delivery ☐
C Lab Field Service ☐ Other ☐ (Specify)

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify)

lefrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

ustody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☐ Comments:

l samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Ice Chest ID
Temperature: 5.2 °C
Thermometer ID: #78
Emissivity 0.98
Container ~~G~~ PTPE
Date/Time 5-4-06
Analyst Init NSC 10:50

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
T GENERAL MINERAL/ GENERAL PHYSICAL										
T PE UNPRESERVED	D,E	D,E	D,E	D,E	D,E	D,E	D,E			
T INORGANIC CHEMICAL METALS										
T INORGANIC CHEMICAL METALS										
T CYANIDE										
T ~~NITROGEN FORMS~~ Phosphate	F	F	F	F	F	F	F			
T TOTAL SULFIDE										
z. NITRATE / NITRITE										
0ml TOTAL ORGANIC CARBON										
T TOX										
T CHEMICAL OXYGEN DEMAND										
A PHENOLICS										
0ml VOA VIAL TRAVEL BLANK										
0ml VOA VIAL	A.9.	A.9.	A.9.	A.9	A.9.	A.9.	A.9.			
T EPA 413.1, 413.2, 418.1										
T ODOR										
ADIOLOGICAL										
ACTERIOLOGICAL										
ml VOA VIAL- 504										
T EPA 508/608/8080										
T EPA 515.1/8150										
T EPA 525										
T EPA 525 TRAVEL BLANK										
0ml EPA 547										
0ml EPA 531.1										
T EPA 548										
T EPA 549										
T EPA 632										
T EPA 8015M										
T QA/QC										
T AMBER										
OZ. JAR										
OZ. JAR										
OIL SLEEVE										
CB VIAL										
ASTIC BAG										
ERROUS IRON	G	G	G	G	G	G	G			
ICORE										
4oz Amber Methane	H	H	H	H	H	H	H			

CHK BY NFI
DISTRIBUTION MA SR MN SLC
SUB-OUT ☐

SHORT HOLDING TIME
Cr^{+6} NO_2 NO_3 OP SS
DO Cl_2 BOD MBAS COT

nments -3 had one voa broken in icechest. 3. -4 had 2 voas broken in icechest.
nple Numbering Completed By 5/4 [illegible] Date/Time 5/4 1337

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BC LABORATORIES INC. | SAMPLE RECEIPT FORM | Rev. No. 10 | 01/21/04 | Page 2 of 2

Submission #: 06-04431 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☒ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☐ (Specify)

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify)

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☐ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Ice Chest ID
Temperature: 0.2 °C
Thermometer ID: #78
Emissivity 0.98
Container QT PE
Date/Time 5-4-06
Analyst Init NSC 10:50

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
Unpreserved Metals										
QT GENERAL MINERAL/ GENERAL PHYSICAL	B	B	B	B	B	B	B			
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS	~~D~~ C	~~D~~ C	C ~~D~~	~~D~~ C	C ~~D~~	C ~~D~~	C ~~D~~			
PT INORGANIC CHEMICAL METALS	COC 5/4	COC 5/4	COC 5/4	COC 5/4	COC 5/4	COC 5/4	COC 5/4			
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:
Sample Numbering Completed By: CDM Date/Time: 5/4 1337

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BC LABORATORIES, INC.
4100 Atlas Court ☐ Bakersfield, CA 93308
(661) 327-4911 ☐ FAX (661) 327-1918

CHAIN OF CUSTODY

06-04431

Analysis Requested

Circle one: Phillips 66 / Unocal	Consultant Firm: TRC
Address: 1693 Central Avenue	21 Techology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Mckinleville	4-digit site#: 01106 Workorder # 2021TRC502
State: CA Zip:	Project #: 41050001
Phillips 66 /Unocal Mgr: Thomas Kosel	Sampler Name: Nate, Anthony

MATRIX: (GW) Groundwater (S) Soil (WW) Wastewater (SL) Sludge

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ MTBE & oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPPH by 8260B	Cl2, nitrate, Nitrate, sulfate, Alkalinity	manganese, Ferrous iron, COD		Turnaround Time Requested
-1	MW-9		05/03/06 0830	GW	X	X			X			X	X		
-2	MW-1		0536												
-3	MW-7		0901												
-4	MW-5		0826												
-5	MW-3		0900												
-6	MW-4		0925												
-7	MW-2		0930												

Comments:	Relinquished by: (Signature)	Received by: Refrigerator	Date & Time 05/03/06 / 0945
GLOBAL ID: T0600360436	Relinquished by: (Signature)	Received by:	Date & Time 5-4-06 1100
	Relinquished by: (Signature)	Received by:	Date & Time

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

Northern CA

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.