July 21, 2009 00-43367-09

Maryland Square Shopping Center Limited
Liability Company/Herman Kishner Trust
c/o Mr. Albert Marquis
Marquis & Aurbach
10001 Park Run Drive
Las Vegas, NV 89145

Subject: Groundwater Monitoring Report – 2nd Quarter 2009
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada
Facility ID #H-000086

Dear Mr. Marquis:

Converse Consultants (Converse) is pleased to present this *Quarterly Groundwater Monitoring Report* for the subject property (Property). The work was completed in accordance with our proposal dated January 7, 2009 and your authorization dated February 18, 2009.

Site Description

The Property is located at 3661 South Maryland Parkway at the northwest corner of Maryland Parkway and Twain Avenue in Las Vegas, Nevada. It is located in the Southeast ¼ of the Northeast ¼ of Section 15, Township 21 South, Range 61 East. The Property was previously developed as a strip shopping center. A dry cleaning facility [Al Phillips The Cleaner (APTC)] was previously located in the shopping center. Please refer to Plate No. 1 for the Site location.

Background

In August 2000, subsurface soil and water conditions were investigated along the eastern boundary of the Property by drilling one soil boring and converting it into a monitoring well (MW-1). Water samples collected from MW-1 revealed perchloroethene (PCE) concentrations in the groundwater at the Property exceeded the established United States Environmental Protection Agency (EPA) maximum contamination level (MCL) for PCE in drinking water of 5.0 micrograms per liter (ug/l) or parts per billion (ppb).

In October 2000, downgradient subsurface soil and water conditions were investigated by drilling five additional soil borings in the vicinity of the Boulevard Mall parking garage and converting the borings into monitoring wells (MW-2 through MW-6). Water samples collected from these wells revealed concentrations of PCE in excess of its MCL and concentrations of trichloroethylene (TCE) in excess of its MCL of 5 ppb.

In November 2002, Converse completed an additional soil and groundwater investigation and an investigation of the soil beneath the strip shopping center building located on the Property. Five soil samples were collected from beneath the suite previously occupied by the dry cleaning facility. PCE was detected in four of the five soil samples collected at concentrations of 110 ppb (in two samples), at 170 ppb, and at 15,000 ppb. EPA's current Preliminary Remedial Goal (PRG) for PCE in industrial soil is 3,400 ppb. Additionally, six groundwater monitoring wells were installed (MW-7 through MW-12) on the Property and on the Boulevard Mall property. The results of this additional investigation indicated that there was PCE in the soil beneath the facility, that the lateral extent of PCE was defined upgradient on the Property, and that the lateral extent of PCE impacted groundwater was defined to the southeast beneath the Boulevard Mall.

In May 2003, one additional well (MW-13) was installed on the Boulevard Mall property to assess the extent of PCE impacts to the northeast.

In November 2003, subsurface soil conditions were explored by drilling eight soil borings and converting six of the borings into monitoring wells (MW-14 through MW-16 and MW-19 through MW-21). During the same time period, slug tests were performed on six monitoring wells (MW2, MW-3, MW-13, MW-15, MW-16, MW-19, and MW-20).

In spring 2004, APTC took over control of assessment activities from the Herman Kishner Trust after which all site characterization and monitoring work was conducted by URS Corporation (URS).

In April 2005, URS completed an additional soil and groundwater investigation and an investigation of the soil beneath the strip shopping center building located on the Property. Seven soil borings were installed on the interior of the suite previously occupied by the dry cleaning facility and soil samples were collected. Three soil samples contained PCE concentrations above the PRG. Six groundwater monitoring wells were installed (MW-17, MW-18, and MW-22 through MW-24) on the Property and in the residential neighborhood to the east of the Boulevard Mall. In March 2006, two additional wells (MW-26 and MW-27) were also installed in the residential neighborhood.

In February 2007, URS installed seventeen soil borings at the Property as part of a source area soil assessment. Based on soil information collected during this investigation and the previous assessment performed in April 2005, URS proposed a remedial method, schedule, and site-specific cleanup level.

In March 2007, URS conducted an off-site soil vapor study in the Boulevard Mall parking lot and select locations in the residential area east of the mall. In August 2007, the sampling procedures were changed for the project from a three volume purge-and-sample method to low-flow sampling using ASTM D6771-02.

In October 2007, URS installed three monitoring wells (MW-28 through MW-30) in the residential area. In March 2008, and additional three monitoring wells (MW-31 through MW-33) were installed in the residential area.

In July 2008, APTC declared bankruptcy and URS discontinued work at the Property. Converse became re-involved with the project at that time.

Groundwater Monitoring and Sampling Procedures

Sampling Schedule

Based on the sampling schedule approved by the NDEP in December 2007, ten of the wells for the Property were scheduled to be sampled during this quarter. The sampling frequency for the monitoring wells follows:

- First Quarter – MW-18, MW-20, MW-23, MW-25, MW-26, MW-27, MW-30, MW-31, MW-32, and MW-33

- Second Quarter – MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, MW-13, MW-14, MW-17, MW-18, MW-19, MW-20, MW-23, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30, MW-31, MW-32, and MW-33

- Third Quarter – MW-18, MW-20, MW-23, MW-25, MW-26, MW-27, MW-30, MW-31, MW-32, and MW-33

- Fourth Quarter – MW-1 through MW-33

It should be noted that the NDEP no longer requires sampling of MW-11 due to the history of petroleum hydrocarbons in the well.

Sampling Procedures

According to the ASTM D6771-02 method, low-flow pumping refers to the velocity of water entering the pump intake from the formation pore water adjacent to the screen during pumping. The purpose is to minimize stress on the water bearing unit during pumping. Typically, pumping flow rates of 0.1 to 0.5 liters per minute (L/min) are used in order to control the well screen entrance velocity and to minimize turbulent flow into the well. Water level drawdown measurements were recorded during well purging to establish and optimum rate for pumping. Water quality parameters were monitored during pumping to evaluate when stable values were attained. Those water quality parameters include: pH, temperature, specific conductance (SC), dissolved oxygen (DO), turbidity, total dissolved solids (TDS), and oxidation reduction potential (ORP).

Criteria for defining stabilization of the water quality parameters follows:

- pH - ± 0.2 pH units
- Specific conductance - ± 3% of reading
- DO - ± 10% if reading or ± 0.2 mg/L whichever is greater
- ORP - ± 20 mV

Water level readings were collected from each of the wells at the Property, with the exception of MW-11, on June 2, 2009. Twenty-one monitoring wells were sampled between June 3 and 5, 2009. Groundwater samples were transferred from the tubing directly into sterilized 40-ml glass vials, capped with Teflon lined lids, labeled, and placed in an insulated container. The groundwater samples were transported under chain-of-custody procedures to Veritas Laboratories in Las Vegas, Nevada, for analysis. The samples were analyzed for Volatile Organic Compounds (VOCs) in accordance with EPA Method 8260B.

The pump, water level meter, and field meter probe were decontaminated between each well. Purge water and decontamination water were placed in a labeled 55-gallon drum and stored at the former APTC facility prior to disposal.

Monitoring Results

The local groundwater gradient at the Property is generally toward the east as shown in Plate No. 1. Groundwater levels for this sampling event are summarized in Table 2. Historical groundwater data is summarized in Table A-1 (Appendix A). Depths to groundwater during this sampling event ranged from 12.36 feet below ground surface (bgs) in MW-18 to 27.30 feet bgs in MW-16.

Table 1 – Groundwater Elevations, June 2009

Well ID	Top of Casing Elevation (feet MSL)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-1	1992.01	19.88	1972.13
MW-2	1983.97	18.95	1965.02
MW-3	1984.41	20.20	1964.21
MW-4	1989.86	Dry	Dry
MW-5	1989.15	19.17	1969.98
MW-6	1989.03	20.20	1968.83
MW-7	1990.22	17.92	1972.30
MW-8	1994.22	20.44	1973.78
MW-9	1992.25	20.00	1972.25
MW-10	1983.78	21.42	1962.36
MW-11	1980.21	NM	NM
MW-12	1996.48	16.26	1980.22
MW-13	1984.18	18.41	1965.77
MW-14	1987.86	18.63	1969.23
MW-15	1983.25	15.89	1967.36
MW-16	1980.61	27.30	1953.31
MW-17	1990.89	19.44	1971.45
MW-18	1962.86	12.36	1950.50
MW-19	1980.24	26.59	1953.65
MW-20	1979.95	26.45	1953.50
MW-21	1979.54	25.53	1954.01
MW-22	1974.75	26.59	1948.16
MW-23	1962.29	16.40	1945.89
MW-24	1960.73	14.10	1946.63
MW-25	1960.73	19.35	1941.38
MW-26	1953.48	17.57	1935.91
MW-27	1944.23	18.39	1925.84
MW-28	1942.96	13.91	1929.05
MW-29	1932.25	13.98	1918.27
MW-30	1940.56	19.88	1920.68

Well ID	Top of Casing Elevation (feet MSL)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-31	1937.93	17.30	1920.63
MW-32	1952.82	19.14	1933.68
MW-33	1950.92	17.28	1933.64

NM= Not Measured

Sampling Results

PCE was present in each of the twenty-one wells sampled, except for MW-33, ranging from 1.3 ppb to 3,500 ppb. Trichloroethene (TCE) was present in fourteen of the twenty-one wells sampled ranging from 1.5 ppb to 15 ppb. Cis-1,2-dichloroethene was present in three of the twenty-one wells sampled ranging from 1.1 ppb to 4.1 ppb. Table 2 illustrates the current analytical results. Table A-2 (Appendix A) presents the historical analytical results. A *PCE Concentration Contour Map* is presented as Plate No 2. A copy of the laboratory analytical data is presented in Appendix B. Copies of the field sampling forms are presented in Appendix C.

Table 2 - Groundwater Analytical Results, June 2009

Sample ID	PCE (µg/L)	TCE (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Vinyl Chloride (µg/L)
MW-1	590	ND	ND	ND
MW-2	880	3.2	1.1	ND
MW-3	NS	NS	NS	NS
MW-4	NS	NS	NS	NS
MW-5	700	4.6	1.3	ND
MW-6	2,800	14	4.1	NS
MW-7	NS	NS	NS	NS
MW-8	NS	NS	NS	NS
MW-9	13	ND	ND	ND
MW-10	NS	NS	NS	NS
MW-11	NS	NS	NS	NS

Sample ID	PCE (µg/L)	TCE (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Vinyl Chloride (µg/L)
MW-12	NS	NS	NS	NS
MW-13	2,200	2.9	ND	ND
MW-14	1,900	4.4	ND	ND
MW-15	NS	NS	NS	NS
MW-16	NS	NS	NS	NS
MW-17	270	ND	ND	ND
MW-18	3,500	5.1	ND	ND
MW-19	1,400	6.1	ND	ND
MW-20	1,100	3.3	ND	ND
MW-21	NS	NS	NS	NS
MW-22	NS	NS	NS	NS
MW-23	1,400	4.6	ND	ND
MW-24	NS	NS	NS	NS
MW-25	880	2	ND	ND
MW-26	970	1.5	ND	ND
MW-27	570	3.3	ND	ND
MW-28	3.3	ND	ND	ND
MW-29	1.3	ND	ND	ND
MW-30	110	2	ND	ND
MW-31	45	ND	ND	ND
MW-32	1,000	5.3	ND	ND
MW-33	ND	ND	ND	ND

ND= Not Detected

NS= Not Sampled

Water quality parameters for this sampling event are summarized in Table 3. Historical data is summarized in Table A-3 (Appendix A).

Table 3 – Water Quality Parameters, June 2009

Well ID	pH [SU]	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L]	Temperature (°C)	TDS (g/L)	ORP (mV)
MW-1	7.10	3.74	39.6	1.61	26.2	2.4	101
MW-2	6.98	3.69	15.4	1.93	24.5	2.4	116
MW-3	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM
MW-5	7.02	3.59	0.0	5.57	26.2	2.3	125
MW-6	6.98	3.51	76.3	2.80	26.7	2.2	121
MW-7	NM	NM	NM	NM	NM	NM	NM
MW-8	NM	NM	NM	NM	NM	NM	NM
MW-9	7.47	1.35	>-5.0	3.98	26.5	0.8	-9
MW-10	NM	NM	NM	NM	NM	NM	NM
MW-11	NM	NM	NM	NM	NM	NM	NM
MW-12	NM	NM	NM	NM	NM	NM	NM
MW-13	6.97	3.78	15.7	3.00	24.4	2.4	120
MW-14	7.00	3.95	>-5.0	2.89	25.6	2.5	118
MW-15	NM	NM	NM	NM	NM	NM	NM
MW-16	NM	NM	NM	NM	NM	NM	NM
MW-17	5.62	3.83	0.0	1.28	25.0	2.4	170
MW-18	7.25	3.52	20.2	3.47	23.9	2.3	131
MW-19	7.03	3.59	178	4.49	25.8	2.3	125
MW-20	6.90	3.65	>-5.0	2.23	23.9	2.3	140
MW-21	NM	NM	NM	NM	NM	NM	NM
MW-22	NM	NM	NM	NM	NM	NM	NM
MW-23	7.21	3.59	7.1	0.61	23.8	2.3	124
MW-24	NM	NM	NM	NM	NM	NM	NM
MW-25	7.18	3.71	6.9	1.23	24.1	2.4	127
MW-26	7.20	3.79	49.3	2.24	25.4	2.5	133
MW-27	7.14	3.85	0.0	0.53	24.1	2.5	128
MW-28	7.18	4.17	63.8	0.00	23.5	2.7	119
MW-29	7.23	4.04	212	3.27	20.5	2.6	133

Well ID	pH [SU]	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L]	Temperature (°C)	TDS (g/L)	ORP (mV)
MW-30	7.09	3.65	34.3	1.16	21.4	2.3	141
MW-31	7.01	4.32	77.9	4.57	21.1	2.8	137
MW-32	7.14	3.69	32.7	2.68	23.4	2.4	120
MW-33	6.97	3.95	0.0	0.00	21.4	2.5	138

NM= Not Measured

Summary

Based on the data presented in this report, we present the following summary:

1. Depths to groundwater during this sampling event ranged from 12.36 feet bgs in MW-18 to 27.30 feet bgs in MW-16. The average groundwater depth for the monitoring wells is 19.32 feet bgs. Groundwater gradient is toward the east.

2. PCE was present in each of the twenty-one wells sampled, except for MW-33, ranging from 1.3 ppb to 3,500 ppb.

3. TCE was present in fourteen of the twenty-one wells sampled ranging from 1.5 ppb to 15 ppb.

4. Cis-1,2-dichloroethene was present in three of the twenty-one wells sampled ranging from 1.1 ppb to 4.1 ppb.

5. The Mann-Kendall test for trend was completed by Converse for wells in which PCE has generally been detected since low-flow sampling has been implemented (with the exception of September 2007). The Mann-Kendall trend essentially evaluates concentration trends. Out of the 20 wells evaluated during this quarter, 9 were deemed shrinking, 5 were deemed stable, and 6 were deemed expanding. The areas of expansion include: MW-5, MW-6, MW-19, MW-26, MW-27, and MW-32. The remainder of the plume appears relatively stable (Appendix D).

Limitations

The conclusions presented in this report are professional opinions based on the data described in this report. They are intended only for the purpose, site location, and project indicated. The conclusions presented in this report are based on the assumption that conditions do not deviate from those observed during our study, as described in this report. No other warranty is either expressed or implied.

Conclusions and recommendations in this report are based on the sampling and testing completed for the stated scope of work. Sampling and testing locations are intended to confirm the presence or absence of target contaminants at selected locations. Contaminant levels observed may not be the highest levels present at the site. It is not the intent of this study to perform exploration to detect other contaminants. Observed contaminants may change with relation to time, on-site activities, and adjacent site activities. This report represents information only to the specific time in which it was collected.

Certified Environmental Manager (CEM) Statement

For the services provided and described in this document, the following language is from NAC 459.

> *I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein.*
>
> *I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations, and ordinances.*

Thank you for the opportunity to be of service. Should you have any questions or comments, please call our office at your convenience.

Respectfully submitted,

CONVERSE CONSULTANTS

Andrea Havens

Andrea Havens, CEM
Senior Project Manager
Nevada CEM 1754 (Exp. 03/01/11)
Date Signed: 7/21/09

Reviewed and approved by,

Kurt Goebel, PG, CEM
Senior Vice President
Environmental Division Manager

KAG:ALH:ls

Encl: Plate No. 1 and 2
Appendix A: Historical Data
Appendix B: Analytical Results
Appendix C: Field Sampling Sheets
Appendix D: Mann-Kendall Trend Test Sheets

Dist: 3/Addressee
1/NDEP, Carson City, NV
Attn: Ms. Mary Siders
1/General Growth Properties, Chicago, IL
Attn: Ms. Lynne Stella

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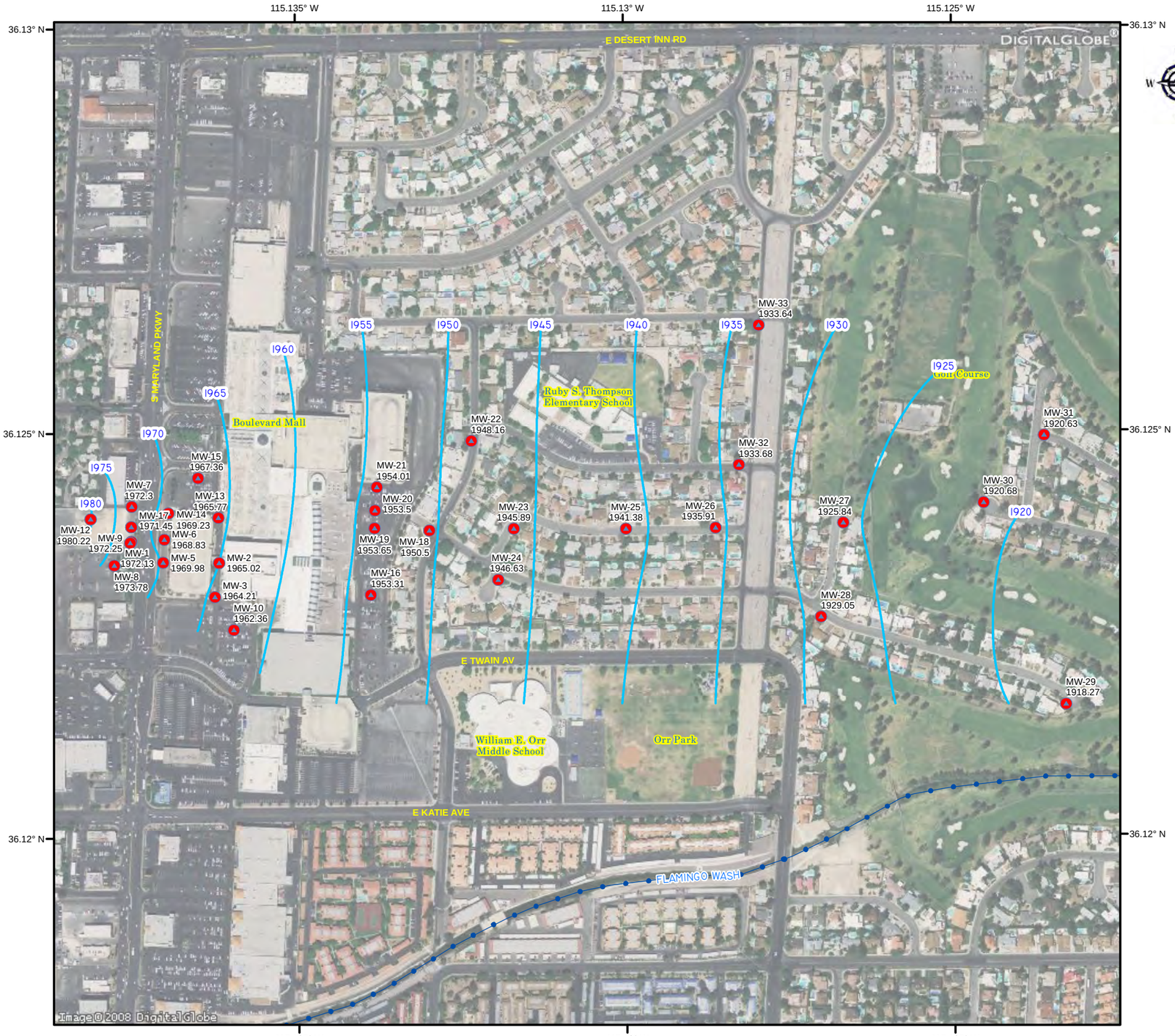

1 inch = 500 feet

0 500 1,000 1,500 2,000 Feet

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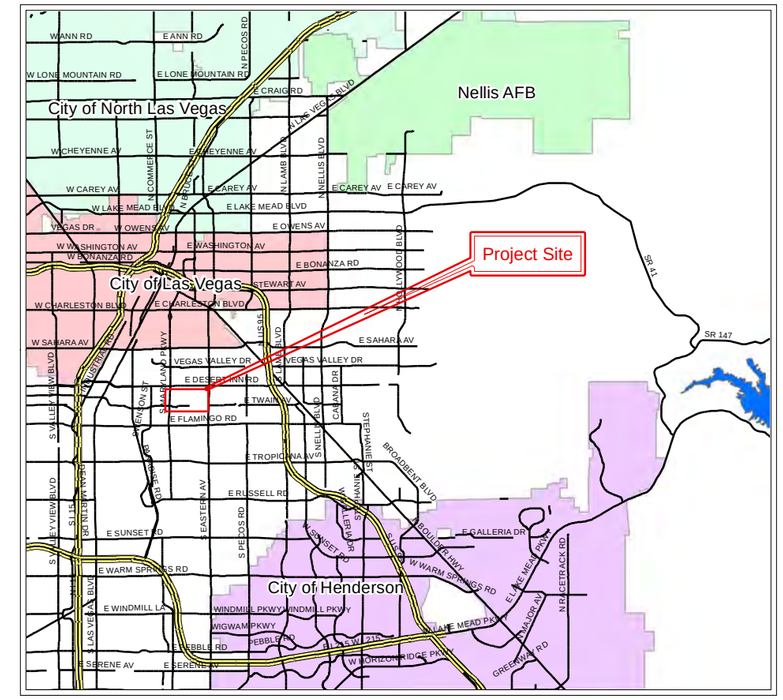

1 inch = 4 miles

Legend

- Monitoring Well Locations
- Groundwater Contours

SITE MAP
Groundwater Contour 2nd Quarter 2009

MARYLAND SQUARE SHOPPING CENTER
3661 South Maryland Parkway
Las Vegas, Nevada

Plate 1

Date Created: 06/30/09 Project No: 00-43367-09

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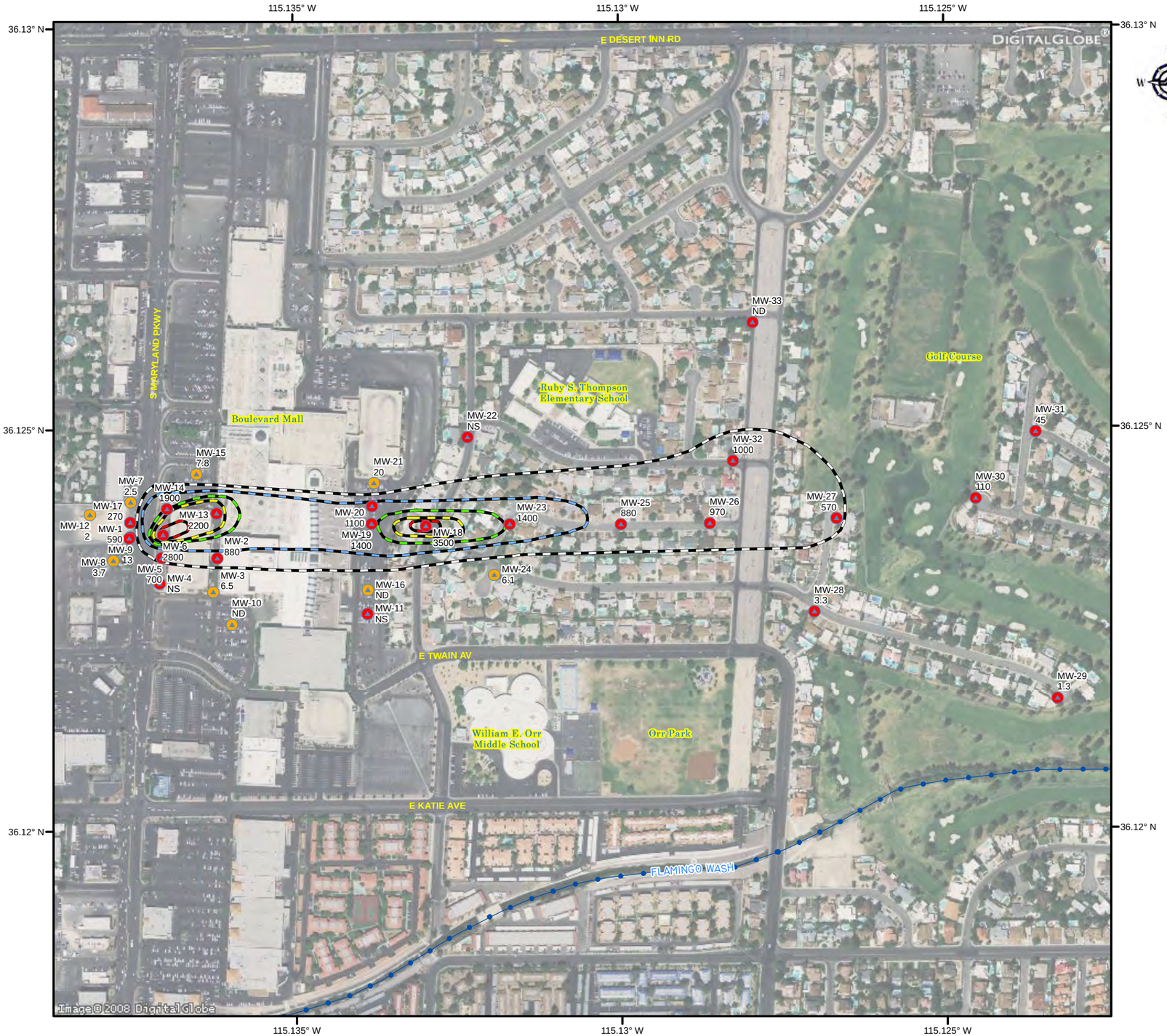

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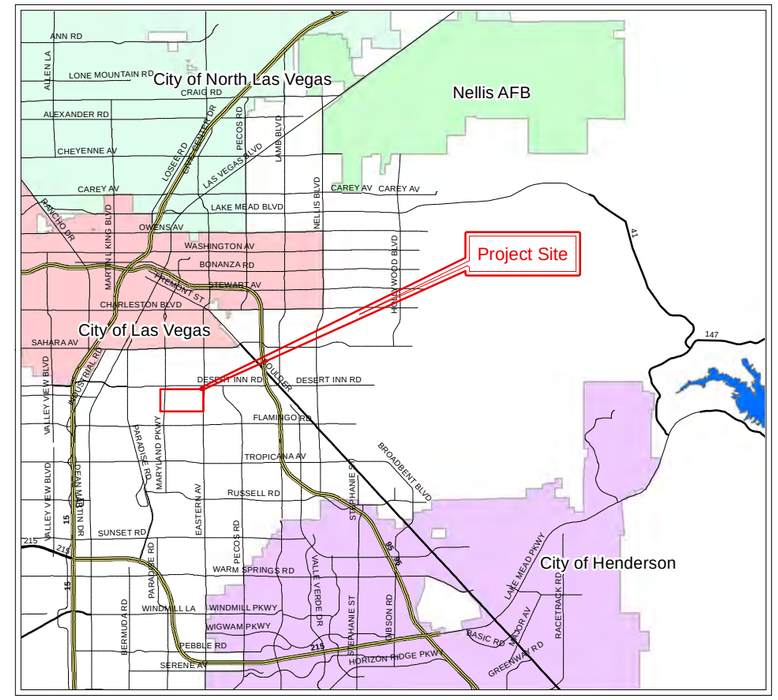


Note:
NS = Not Sampled
ND = Not Detected

Legend

- Monitoring Wells Sampled 2nd Quarter 2009
- Monitoring Wells Sampled 4th Quater 2008

PCE Contours (ppb)

- 500
- 1000
- 1500
- 2000
- 2500

SITE MAP
PCE Contour 2nd Quarter 2009

MARYLAND SQUARE SHOPPING CENTER
3661 South Maryland Parkway
Las Vegas, Nevada

Plate 2

Date Created: 06/30/09 Project No: 00-43367-09

Appendix A

Historical Data

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-1	1991.81	Oct 00	17.54	1974.27
	1992.04	Sept 02	17.90	1974.14
		May 03	18.70	1973.34
		Sept 03	18.97	1973.07
		Jan 04	19.30	1972.74
		May 05	15.24	1976.80
		Sept 05	16.74	1975.30
		Dec 05	17.61	1974.43
		Mar 06	18.42	1973.62
		June 06	NM	NM
		Oct 06	18.30	1973.74
		Dec 06	18.88	1973.16
		Mar 07	20.08	1971.96
		June 07	19.81	1972.23
		Sept 07	18.39	1973.65
		Dec 07	19.01	1973.03
		Mar 08	20.03	1972.01
		June 08	NM	NM
	1992.01	Oct 08	19.82	1972.19
		Feb 09	19.65	1972.36
		June 09	19.88	1972.13
MW-2	1983.79	Oct 00	15.52	1968.27
	1983.99	Sept 02	16.62	1967.37
		May 03	17.15	1966.84
	1983.97	Sept 03	17.70	1966.27
		Jan 04	18.25	1965.72
		May 05	14.65	1969.32
		Dec 05	16.00	1967.97
		Mar 06	NM	NM
		June 06	17.55	1966.42
		Oct 06	17.25	1966.72
		Dec 06	17.60	1966.37
		Mar 07	18.84	1965.13
		June 07	19.01	1964.96
		Sept 07	17.94	1966.03

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		Dec 07	18.04	1965.93
		Mar 08	18.82	1965.15
		June 08	NM	NM
		Oct 08	18.54	1965.43
		Feb 09	18.68	1965.29
		June 09	18.95	1965.02
MW-3	1984.19	Oct 00	15.95	1968.24
	1984.46	Sept 02	17.20	1967.26
		May 03	17.70	1966.76
	1984.43	Sept 03	18.35	1966.08
		Jan 04	19.25	1965.18
		May 05	15.22	1969.21
		Dec 05	16.45	1967.98
		Mar 06	NM	NM
		June 06	18.38	1966.05
		Oct 06	17.88	1966.55
		Dec 06	18.26	1966.17
		Mar 07	19.86	1964.57
		June 07	20.23	1964.20
		Sept 07	18.99	1965.44
		Dec 07	18.99	1965.44
		Mar 08	19.94	1964.49
		June 08	NM	NM
	1984.41	Oct 08	19.46	1964.95
		Feb 09	19.80	1964.61
		June 09	20.20	1964.21
MW-4	1989.68	Oct 00	16.95	1972.73
	1989.87	Sept 02	NM	NM
		May 03	18.71	1971.16
	1989.85	Sept 03	19.05	1970.80
		Jan 04	19.86	1969.99
		May 05	15.83	1974.02
		Dec 05	17.62	1972.23
		Mar 06	NM	NM
		June 06	18.36	1971.49
		Oct 06	18.34	1971.51

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		Dec 06	NM	NM
		Mar 07	NM	NM
		June 07	NM	NM
		Sept 07	18.96	1970.89
		Dec 07	NM	NM
		Mar 08	NM	NM
		June 08	NM	NM
	1989.86	Oct 08	NM	NM
		Feb 09	NM	NM
		June 09	Dry	Dry
MW-5	1988.93	Oct 00	16.20	1972.73
	1989.18	Sept 02	17.00	1972.18
		May 03	17.80	1971.38
		Sept 03	18.07	1971.11
		Jan 04	18.65	1970.53
		May 05	14.87	1974.31
		Dec 05	16.80	1972.38
		Mar 06	NM	NM
		June 06	17.40	1971.78
		Oct 06	17.46	1971.72
		Dec 06	18.01	1971.17
		Mar 07	19.30	1969.88
		June 07	19.12	1970.06
		Sept 07	17.85	1971.33
		Dec 07	18.33	1970.85
		Mar 08	19.31	1969.87
		June 08	NM	NM
	1989.15	Oct 08	18.99	1970.16
		Feb 09	18.99	1970.16
		June 09	19.17	1969.98
MW-6	1988.72	Oct 00	17.41	1971.31
	1989.01	Sept 02	18.26	1970.75
		May 03	18.87	1970.14
		Sept 03	19.25	1696.76
		Jan 04	19.74	1969.27
		May 05	16.21	1972.80

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		Sept 05	17.26	1971.75
		Dec 05	17.88	1971.13
		Mar 06	NM	NM
		June 06	18.80	1970.21
		Oct 06	18.73	1970.28
		Dec 06	19.18	1969.83
		Mar 07	20.40	1968.61
		June 07	20.28	1968.73
		Sept 07	19.00	1970.01
		Dec 07	19.29	1969.72
		Mar 08	20.26	1968.75
		June 08	NM	NM
	1989.03	Oct 08	20.00	1969.03
		Feb 09	20.03	1969.00
		June 09	20.20	1968.83
MW-7	1990.28	Sept 02	18.27	1972.01
		May 03	16.60	1973.68
	1990.25	Sept 03	16.79	1973.46
		Jan 04	17.32	1972.93
		May 05	13.86	1976.39
		Sept 05	14.97	1975.28
		Dec 05	15.45	1974.80
		Mar 06	16.41	1973.84
		June 06	16.50	1973.75
		Oct 06	16.50	1973.75
		Dec 06	16.87	1973.38
		Mar 07	18.19	1972.06
		June 07	18.08	1972.17
		Sept 07	16.31	1973.94
		Dec 07	16.60	1973.65
		Mar 08	17.93	1972.32
		June 08	NM	NM
	1990.22	Oct 08	17.57	1972.65
		Feb 09	17.52	1972.70
		June 09	17.92	1972.30
MW-8	1994.25	Sept 02	18.55	1975.70

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		May 03	19.50	1974.75
	1994.23	Sept 03	19.55	1974.68
		Jan 04	19.91	1974.32
		May 05	15.51	1978.72
		Dec 05	18.48	1975.75
		Mar 06	NM	NM
		June 06	18.89	1975.34
		Oct 06	19.12	1975.11
		Dec 06	19.60	1974.63
		Mar 07	20.56	1973.67
		June 07	20.31	1973.92
		Sept 07	19.14	1975.09
		Dec 07	19.81	1974.42
		Mar 08	20.61	1973.62
		June 08	NM	NM
	1994.22	Oct 08	20.79	1973.43
		Feb 09	20.29	1973.93
		June 09	20.44	1973.78
MW-9	1992.26	Sept 02	18.46	1973.80
		May 03	19.15	1973.11
		Sept 03	19.02	1973.24
		Jan 04	19.05	1973.21
		May 05	15.36	1976.90
		Sept 05	17.85	1974.41
		Dec 05	17.68	1974.58
		Mar 06	18.55	1973.72
		June 06	NM	NM
		Oct 06	18.40	1973.86
		Dec 06	19.00	1973.26
		Mar 07	20.19	1972.07
		June 07	19.95	1972.31
		Sept 07	18.51	1973.75
		Dec 07	19.20	1973.06
		Mar 08	20.16	1972.10
		June 08	NM	NM
	1992.25	Oct 08	19.87	1972.38
		Feb 09	19.76	1972.49
		June 09	20.00	1972.25

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-10	1983.81	Sept 02	18.51	1965.30
		May 03	18.65	1965.16
	1983.80	Sept 03	19.45	1964.35
		Jan 04	20.32	1963.48
		May 05	16.76	1967.04
		Sept 05	16.95	1966.85
		Dec 05	17.64	1966.16
		Mar 06	19.25	1964.55
		June 06	17.90	1965.90
		Oct 06	19.00	1964.80
		Dec 06	19.21	1964.59
		Mar 07	20.84	1962.96
		June 07	21.39	1962.41
		Sept 07	20.38	1963.42
		Dec 07	20.26	1963.54
		Mar 08	21.06	1962.74
		June 08	NM	NM
	1983.78	Oct 08	20.45	1963.33
		Feb 09	20.90	1962.88
		June 09	21.42	1962.36
MW-11	1980.24	Sept 02	24.22	1956.02
		May 03	24.25	1955.99
		Sept 03	25.62	1954.62
		Jan 04	26.22	1954.02
		May 05	22.55	1957.69
		Mar 06	NM	NM
		June 06	NM	NM
		Oct 06	NM	NM
		Dec 06	NM	NM
		Mar 07	25.51	1954.73
		June 07	NM	NM
		Sept 07	26.13	1954.11
		Dec 07	NM	NM
		Mar 08	NM	NM
		June 08	NM	NM
	1980.21	Oct 08	NM	NM
		Feb 09	NM	NM
		June 09	NM	NM
MW-12	1996.59	Sept 02	14.90	1981.69

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		May 03	15.07	1981.52
	1996.50	Sept 03	15.30	1981.20
		Jan 04	15.40	1981.10
		May 05	12.34	1984.16
		Sept 05	13.45	1983.05
		Dec 05	14.20	1982.30
		Mar 06	15.00	1981.50
		June 06	NM	NM
		Oct 06	14.71	1981.79
		Dec 06	15.05	1981.45
		Mar 07	16.55	1979.95
		June 07	16.31	1980.19
		Sept 07	14.27	1982.23
		Dec 07	15.04	1981.46
		Mar 08	16.51	1979.99
		June 08	NM	NM
	1996.48	Oct 08	15.73	1980.75
		Feb 09	15.61	1980.87
		June 09	16.26	1980.22
MW-13	1984.23	May 03	17.25	1966.98
		Sept 03	17.60	1966.60
	1984.20	Jan 04	18.00	1966.20
		May 05	14.76	1969.44
		Sept 05	15.60	1968.60
		Dec 05	16.05	1968.15
		Mar 06	17.24	1966.96
		June 06	17.40	1966.80
		Oct 06	17.15	1967.05
		Dec 06	17.47	1966.73
		Mar 07	18.58	1965.62
		June 07	18.66	1965.54
		Sept 07	17.41	1966.79
		Dec 07	17.50	1966.70
		Mar 08	18.31	1965.89
		June 08	NM	NM
	1984.18	Oct 08	18.25	1965.93

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		Feb 09	18.28	1965.90
		June 09	18.41	1965.77
MW-14	1987.89	Jan 04	18.35	1969.54
		May 05	15.02	1972.87
		Dec 05	16.50	1971.39
		Mar 06	17.54	1970.35
		June 06	17.61	1970.28
		Oct 06	17.42	1970.47
		Dec 06	17.78	1970.11
		Mar 07	18.93	1968.96
		June 07	18.80	1969.09
		Sept 07	17.40	1970.49
		Dec 07	17.66	1970.23
		Mar 08	18.63	1969.26
		June 08	NM	NM
	1987.86	Oct 08	18.60	1969.26
		Feb 09	18.47	1969.39
		June 09	18.63	1969.23
MW-15	1983.28	Jan 04	15.60	1967.68
		May 05	12.59	1970.69
		Sept 05	13.45	1969.83
		Dec 05	13.77	1969.51
		Mar 06	15.00	1968.28
		June 06	15.15	1968.13
		Oct 06	14.91	1968.37
		Dec 06	15.17	1968.11
		Mar 07	16.31	1966.97
		June 07	16.16	1967.12
		Sept 07	14.80	1968.48
		Dec 07	14.71	1968.57
		Mar 08	16.62	1966.66
		June 08	NM	NM
	1983.25	Oct 08	15.80	1967.45
		Feb 09	15.76	1967.49
		June 09	15.89	1967.36
MW-16	1980.63	Jan 04	26.22	1954.41

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		May 05	23.41	1957.22
		Sept 05	24.12	1956.51
		Dec 05	24.21	1956.42
		Mar 06	25.06	1955.57
		June 06	26.05	1954.58
		Oct 06	25.67	1954.96
		Dec 06	25.56	1955.07
		Mar 07	26.33	1954.30
		June 07	27.28	1953.35
		Sept 07	27.03	1953.60
		Dec 07	26.46	1954.17
		Mar 08	26.33	1954.30
		June 08	NM	NM
	1980.61	Oct 08	27.19	1953.42
		Feb 09	26.52	1954.09
		June 09	27.30	1953.31
MW-17	1990.92	May 05	15.07	1975.85
		Dec 05	17.05	1973.87
		Mar 06	NM	NM
		June 06	NM	NM
		Oct 06	17.91	1973.01
		Dec 06	18.41	1972.51
		Mar 07	19.63	1971.29
		June 07	19.48	1971.44
		Sept 07	17.91	1973.01
		Dec 07	18.45	1972.47
		Mar 08	19.51	1971.41
		June 08	NM	NM
	1990.89	Oct 08	18.84	1972.05
		Feb 09	19.12	1971.77
		June 09	19.44	1971.45
MW-18	1962.87	May 05	8.71	1954.16
		Sept 05	9.69	1953.18
		Dec 05	9.70	1953.17
		Mar 06	10.21	1952.66
		June 06	11.64	1951.23

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		Oct 06	11.21	1951.66
		Dec 06	10.98	1951.89
		Mar 07	11.36	1951.51
		June 07	12.53	1950.34
		Sept 07	12.45	1950.42
		Dec 07	11.54	1951.33
		Mar 08	11.15	1951.72
		June 08	NM	NM
	1962.86	Oct 08	11.96	1950.90
		Feb 09	11.48	1951.38
		June 09	12.36	1950.50
MW-19	1980.26	Jan 04	25.65	1954.61
		May 05	22.70	1957.56
		Dec 05	23.65	1956.61
		Mar 06	NM	NM
		June 06	25.55	1954.71
		Oct 06	25.23	1955.03
		Dec 06	25.01	1955.25
		Mar 07	25.77	1954.49
		June 07	26.84	1953.42
		Sept 07	26.41	1953.85
		Dec 07	25.52	1954.74
		Mar 08	25.35	1954.91
		June 08	NM	NM
	1980.24	Oct 08	26.19	1954.05
		Feb 09	25.76	1954.48
		June 09	26.59	1953.65
MW-20	1979.99	Jan 04	25.50	1954.49
		May 05	22.58	1957.41
		Dec 05	23.55	1956.44
		Mar 06	NM	NM
		June 06	25.48	1954.51
		Oct 06	25.04	1954.95
		Dec 06	24.85	1955.14
		Mar 07	26.63	1953.36
		June 07	26.76	1953.23

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		Sept 07	26.30	1953.69
		Dec 07	25.38	1954.61
		Mar 08	25.12	1954.87
		June 08	NM	NM
	1979.95	Oct 08	26.05	1953.90
		Feb 09	25.57	1954.38
		June 09	26.45	1953.50
MW-21	1979.56	Jan 04	24.72	1954.84
		May 05	21.76	1957.80
		Sept 05	22.70	1956.86
		Dec 05	22.85	1956.71
		Mar 06	23.46	1956.10
		June 06	24.68	1954.88
		Oct 06	24.35	1955.21
		Dec 06	24.15	1955.41
		Mar 07	24.87	1954.69
		June 07	25.95	1953.61
		Sept 07	25.44	1954.12
		Dec 07	24.34	1955.22
		Mar 08	24.19	1955.37
		June 08	NM	NM
	1979.54	Oct 08	24.80	1954.74
		Feb 09	24.73	1954.81
		June 09	25.53	1954.01
MW-22	1974.76	May 05	23.04	1951.72
		Sept 05	24.18	1950.58
		Dec 05	24.30	1950.46
		Mar 06	24.68	1950.08
		June 06	25.91	1948.85
		Oct 06	25.79	1948.97
		Dec 06	25.49	1949.27
		Mar 07	24.73	1950.03
		June 07	26.91	1947.85
		Sept 07	26.90	1947.86
		Dec 07	25.88	1948.88
		Mar 08	25.17	1949.59

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		June 08	NM	NM
	1974.75	Oct 08	NM	NM
		Feb 09	25.60	1949.15
		June 09	26.59	1948.16
MW-23	1962.32	May 05	13.06	1949.26
		Dec 05	14.05	1948.27
		Mar 06	NM	NM
		June 06	15.60	1946.72
		Oct 06	15.48	1946.84
		Dec 06	15.16	1947.16
		Mar 07	15.12	1947.20
		June 07	16.40	1945.92
		Sept 07	16.61	1945.71
		Dec 07	15.80	1946.52
		Mar 08	15.18	1947.14
		June 08	NM	NM
	1962.29	Oct 08	16.34	1945.95
		Feb 09	15.41	1946.88
		June 09	16.40	1945.89
MW-24	1960.74	May 05	10.72	1950.02
		Sept 05	11.75	1948.99
		Dec 05	11.65	1949.09
		Mar 06	12.10	1948.64
		June 06	13.16	1947.58
		Oct 06	13.06	1947.68
		Dec 06	12.80	1947.94
		Mar 07	12.88	1947.86
		June 07	13.94	1946.80
		Sept 07	14.24	1946.50
		Dec 07	13.58	1947.16
		Mar 08	12.98	1947.76
		June 08	NM	NM
	1960.73	Oct 08	14.03	1946.70
		Feb 09	13.20	1947.53
		June 09	14.10	1946.63
MW-25	1960.74	May 05	16.01	1944.73

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		Sept 05	17.45	1943.29
		Dec 05	16.85	1943.89
		Mar 06	17.30	1943.44
		June 06	18.64	1942.10
		Oct 06	18.75	1941.99
		Dec 06	18.61	1942.13
		Mar 07	17.72	1943.02
		June 07	19.31	1941.43
		Sept 07	19.96	1940.78
		Dec 07	18.92	1941.82
		Mar 08	17.87	1942.87
		June 08	NM	NM
	1960.73	Oct 08	19.84	1940.89
		Feb 09	18.07	1942.66
		June 09	19.35	1941.38
MW-26	1953.48	Mar 06	15.60	1937.88
		June 06	17.00	1936.48
		Oct 06	17.17	1936.31
		Dec 06	NM	NM
		Mar 07	15.66	1937.82
		June 07	17.50	1935.98
		Sept 07	18.12	1935.36
		Dec 07	17.01	1936.47
		Mar 08	15.91	1937.57
		June 08	NM	NM
		Oct 08	18.34	1935.14
		Feb 09	16.04	1937.44
		June 09	17.57	1935.91
MW-27	1944.23	Mar 06	13.48	1930.75
		June 06	18.50	1925.73
		Oct 06	16.16	1928.07
		Dec 06	13.85	1930.38
		Mar 07	12.58	1931.65
		June 07	18.43	1925.80
		Sept 07	17.85	1926.38
		Dec 07	14.41	1929.82

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		Mar 08	13.65	1930.58
		June 08	NM	NM
		Oct 08	18.33	1925.90
		Feb 09	13.22	1931.01
		June 09	18.39	1925.84
MW-28	1942.97	Nov 07	14.02	1928.95
		Dec 07	12.80	1930.17
		Mar 08	11.61	1931.36
		June 08	NM	NM
	1942.96	Oct 08	14.60	1928.36
		Feb 09	11.66	1931.30
		June 09	13.91	1929.05
MW-29	1932.27	Nov 07	14.20	1918.07
		Dec 07	14.01	1918.26
		Mar 08	13.77	1918.50
		June 08	NM	NM
	1932.25	Oct 08	14.44	1917.81
		Feb 09	13.81	1918.44
		June 09	13.98	1918.27
MW-30	1940.56	Nov 07	20.11	1920.45
		Dec 07	17.12	1923.44
		Mar 08	16.32	1924.24
		June 08	NM	NM
		Oct 08	20.91	1919.65
		Feb 09	16.05	1924.51
		June 09	19.88	1920.68
MW-31	1937.93	Mar 08	15.23	1937.59
		June 08	NM	NM
		Oct 08	18.94	1918.99
		Feb 09	15.59	1922.34
		June 09	17.30	1920.63
MW-32	1952.82	Mar 08	17.25	1935.57
		June 08	NM	NM
		Oct 08	19.95	1932.87
		Feb 09	17.22	1935.60
		June 09	19.14	1933.68

Table A-1
Historical Groundwater Elevations
Maryland Square Shopping Center

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-33	1950.92	Mar 08	16.02	1934.90
		June 08	NM	NM
		Oct 08	18.00	1932.92
		Feb 09	16.11	1934.81
		June 09	17.28	1933.64

NM = Not Measured

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
MW-1	Aug 00	2,300	ND	ND	ND
	Oct 00	NS	NS	NS	NS
	Sept 02	2,000	ND	ND	ND
	May 03	870	ND	ND	ND
	Sept 03	2,300	ND	ND	ND
	Jan 04	1,700	ND	ND	ND
	May 05	3,500	ND	ND	ND
	Sept 05	1,700	ND	ND	ND
	Dec 05	820	ND	ND	ND
	Mar 06	420	ND	ND	ND
	June 06	NS	NS	NS	NS
	Oct 06	1,100	ND	ND	ND
	Dec 06	1,300	ND	ND	ND
	June 07	450	ND	ND	ND
	Dec 07	710	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	260	ND	ND	ND
	Oct 08	460	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	590	ND	ND	ND
MW-2	Oct 00	3,000	18	18	ND
	Sept 02	3,000	13	13	ND
	May 03	1,400	ND	ND	ND
	Sept 03	1,700	ND	ND	ND
	Jan 04	1,700	ND	ND	ND
	May 05	2,050	17	9.7	ND
	Dec 05	2,900	ND	ND	ND
	Mar 06	NS	NS	NS	NS
	June 06	1,600	ND	ND	ND
	Oct 06	1,900	ND	ND	ND
	Dec 06	1,300	ND	ND	ND
	June 07	1,400	ND	ND	ND
	Dec 07	1,000	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	900	ND	ND	ND
	Oct 08	960	3.4	1.2	ND
	Feb 09	NS	NS	NS	NS
	June 09	880	3.2	1.1	ND

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
MW-3	Oct 00	98	ND	ND	ND
	Sept 02	ND	ND	ND	ND
	May 03	6.9	ND	ND	ND
	Sept 03	12	ND	ND	ND
	Jan 04	6.7	ND	ND	ND
	May 05	ND	ND	ND	ND
	Dec 05	ND	ND	ND	ND
	Mar 06	NS	NS	NS	NS
	June 06	ND	ND	ND	ND
	Oct 06	ND	ND	ND	ND
	Dec 06	1.2	ND	ND	ND
	June 07	ND	ND	ND	ND
	Dec 07	1.4	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	6.5	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-4	Oct 00	14	ND	ND	ND
	Sept 02	25	ND	ND	ND
	May 03	24	ND	ND	ND
	Sept 03	100	ND	ND	ND
	Jan 04	220	ND	ND	ND
	May 05	25	ND	ND	ND
	Dec 05	15	ND	ND	ND
	Mar 06	NS	NS	NS	NS
	June 06	27	ND	ND	ND
	Oct 06	NS	NS	NS	NS
	Dec 06	NS	NS	NS	NS
	June 07	NS	NS	NS	NS
	Dec 07	NS	NS	NS	NS
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	NS	NS	NS	NS
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-5	Oct 00	100	ND	ND	ND
	Sept 02	110	ND	ND	ND
	May 03	240	ND	ND	ND

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	Sept 03	220	ND	ND	ND
	Jan 04	370	ND	ND	ND
	May 05	146	ND	ND	ND
	Dec 05	93	ND	ND	ND
	Mar 06	NS	NS	NS	NS
	June 06	220	ND	ND	ND
	Oct 06	67	ND	ND	ND
	Dec 06	130	ND	ND	ND
	June 07	550	ND	ND	ND
	Dec 07	170	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	400	ND	ND	ND
	Oct 08	340	2.7	1.2	ND
	Feb 09	NS	NS	NS	NS
	June 09	700	4.6	1.3	ND
MW-6	Oct 00	2,200	13	8.1	ND
	Sept 02	1,000	41	14	ND
	May 03	710	22	ND	ND
	Sept 03	1,300	ND	ND	ND
	Jan 04	2,400	ND	ND	ND
	May 05	2,090	13	11	ND
	Sept 05	890	13	23	ND
	Dec 05	530	41	21	ND
	Mar 06	NS	NS	NS	NS
	June 06	1,100	ND	ND	ND
	Oct 06	1,300	ND	ND	ND
	Dec 06	810	9.9	8.9	ND
	June 07	1,300	ND	ND	ND
	Dec 07	1,500	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	1,900	ND	ND	ND
	Oct 08	2,000	13	3.9	ND
	Feb 09	NS	NS	NS	NS
	June 09	2,800	14	4.1	ND
MW-7	Sept 02	ND	ND	ND	ND
	May 03	1.7	ND	ND	ND
	Sept 03	2.0	ND	ND	ND
	Jan 04	11	ND	ND	ND
	May 05	ND	ND	ND	ND

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	Sept 05	3.3	ND	ND	ND
	Dec 05	1.2	ND	ND	ND
	Mar 06	1.5	ND	ND	ND
	June 06	2.2	ND	ND	ND
	Oct 06	2.9	ND	ND	ND
	Dec 06	2.1	ND	ND	ND
	June 07	1.1	ND	ND	ND
	Dec 07	1.3	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	2.5	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-8	Sept 02	5.4	ND	ND	ND
	May 03	3.2	ND	ND	ND
	Sept 03	3.7	ND	ND	ND
	Jan 04	4.7	ND	ND	ND
	May 05	5.6	5.6	ND	ND
	Dec 05	3.6	ND	ND	ND
	Mar 06	NS	NS	NS	NS
	June 06	2.6	ND	ND	ND
	Oct 06	3.4	ND	ND	ND
	Dec 06	4.3	ND	ND	ND
	June 07	2.8	ND	ND	ND
	Dec 07	2.8	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	3.7	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-9	Sept 02	670	ND	ND	ND
	May 03	59	ND	ND	ND
	Sept 03	9.2	ND	ND	ND
	Jan 04	10	ND	ND	ND
	May 05	353	ND	ND	ND
	Sept 05	64	ND	ND	ND
	Dec 05	190	ND	ND	ND
	Mar 06	ND	ND	ND	ND
	June 06	NS	NS	NS	NS

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	Oct 06	160	ND	ND	ND
	Dec 06	45	ND	ND	ND
	June 07	170	ND	ND	ND
	Dec 07	110	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	12	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	13	ND	ND	ND
MW-10	Sept 02	ND	ND	ND	ND
	May 03	ND	ND	ND	ND
	Sept 03	15	ND	ND	ND
	Jan 04	ND	ND	ND	ND
	May 05	ND	ND	ND	ND
	Sept 05	ND	ND	ND	ND
	Dec 05	ND	ND	ND	ND
	Mar 06	ND	ND	ND	ND
	June 06	ND	ND	ND	ND
	Oct 06	ND	ND	ND	ND
	Dec 06	1.0	ND	ND	ND
	June 07	ND	ND	ND	ND
	Dec 07	1.0	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	ND	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-11	Sept 02	ND	ND	ND	ND
	May 03	ND	ND	ND	ND
	Sept 03	NS	NS	NS	NS
	Nov 03	NS	NS	NS	NS
	Jan 04	NS	NS	NS	NS
	May 05	NS	NS	NS	NS
	Dec 05	NS	NS	NS	NS
	Mar 06	NS	NS	NS	NS
	June 06	NS	NS	NS	NS
	Oct 06	NS	NS	NS	NS
	Dec 06	NS	NS	NS	NS
	June 07	NS	NS	NS	NS

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	Dec 07	NS	NS	NS	NS
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	NS	NS	NS	NS
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-12	Sept 02	ND	ND	ND	ND
	May 03	1.3	ND	ND	ND
	Sept 03	14	ND	ND	ND
	Jan 04	6.1	ND	ND	ND
	May 05	ND	ND	ND	ND
	Sept 05	1.1	ND	ND	ND
	Dec 05	1.2	ND	ND	ND
	Mar 06	1.1	ND	ND	ND
	June 06	NS	NS	NS	NS
	Oct 06	ND	ND	ND	ND
	Dec 06	1.4	ND	ND	ND
	June 07	ND	ND	ND	ND
	Dec 07	ND	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	2.0	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-13	May 03	2,100	ND	ND	ND
	Sept 03	2,800	ND	ND	ND
	Jan 04	2,700	ND	ND	ND
	May 05	5,310	ND	ND	ND
	Sept 05	2,600	ND	ND	ND
	Dec 05	3,400	ND	ND	ND
	Mar 06	3,700	ND	ND	ND
	June 06	2,900	NS	NS	NS
	Oct 06	2,800	ND	ND	ND
	Dec 06	3,200	ND	ND	ND
	Mar 07	2,500	ND	ND	ND
	June 07	3,700	ND	ND	ND
	Sept 07	2,000	ND	ND	ND
	Dec 07	2,500	ND	ND	ND
	Mar 08	NS	NS	NS	NS

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	June 08	2,300	ND	ND	ND
	Oct 08	2,600	5.3	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	2,200	2.9	ND	ND
MW-14	Nov 03	1,900	ND	ND	ND
	Jan 04	2,100	ND	ND	ND
	May 05	2,920	5.5	ND	ND
	Dec 05	3,400	ND	ND	ND
	Mar 06	2,500	ND	ND	ND
	June 06	1,800	NS	NS	NS
	Oct 06	1,900	ND	ND	ND
	Dec 06	3,500	ND	ND	ND
	Mar 07	1,900	ND	ND	ND
	June 07	1,700	ND	ND	ND
	Sept 07	650	ND	ND	ND
	Dec 07	1,500	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	1,500	ND	ND	ND
	Oct 08	1,500	2.9	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	1,900	4.4	ND	ND
MW-15	Nov 03	5.2	ND	ND	ND
	Jan 04	2.7	ND	ND	ND
	May 05	ND	ND	ND	ND
	Sept 05	3.6	ND	ND	ND
	Dec 05	5.0	ND	ND	ND
	Mar 06	4.5	ND	ND	ND
	June 06	4.4	NS	NS	NS
	Oct 06	3.3	ND	ND	ND
	Dec 06	3.7	ND	ND	ND
	June 07	3.0	ND	ND	ND
	Dec 07	3.0	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	7.8	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-16	Nov 03	ND	ND	ND	ND
	Jan 04	ND	ND	ND	ND

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	May 05	ND	ND	ND	ND
	Sept 05	ND	ND	ND	ND
	Dec 05	ND	ND	ND	ND
	Mar 06	ND	ND	ND	ND
	June 06	ND	ND	ND	ND
	Oct 06	ND	ND	ND	ND
	Dec 06	ND	ND	ND	ND
	June 07	ND	ND	ND	ND
	Dec 07	ND	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	ND	2.8	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-17	May 05	520	ND	ND	ND
	Dec 05	470	ND	ND	ND
	Mar 06	NS	NS	NS	NS
	June 06	NS	NS	NS	NS
	Oct 06	1,300	ND	ND	ND
	Dec 06	710	ND	ND	ND
	Mar 07	440	ND	ND	ND
	June 07	300	ND	ND	ND
	Sept 07	380	ND	ND	ND
	Dec 07	480	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	360	ND	ND	ND
	Oct 08	290	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	270	ND	ND	ND
MW-18	May 05	1,600	ND	ND	ND
	Sept 05	1,700	ND	ND	ND
	Dec 05	2,400	ND	ND	ND
	Mar 06	1,700	NS	NS	NS
	June 06	1,600	NS	NS	NS
	Oct 06	2,100	ND	ND	ND
	Dec 06	1,400	ND	ND	ND
	Mar 07	1,400	ND	ND	ND
	June 07	1,300	ND	ND	ND
	Sept 07	930	ND	ND	ND

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	Dec 07	1,400	ND	ND	ND
	Mar 08	1,800	ND	ND	ND
	June 08	1,200	ND	ND	ND
	Oct 08	950	3.7	ND	ND
	Feb 09	1,500	5.2	ND	ND
	June 09	3,500	5.1	ND	ND
MW-19	Nov 03	1,100	ND	ND	ND
	Jan 04	1,200	ND	ND	ND
	May 05	873	ND	ND	ND
	Dec 05	1,300	ND	ND	ND
	Mar 06	NS	NS	NS	NS
	June 06	910	ND	ND	ND
	Oct 06	840	ND	ND	ND
	Dec 06	1,200	ND	ND	ND
	Mar 07	890	ND	ND	ND
	June 07	870	ND	ND	ND
	Sept 07	510	ND	ND	ND
	Dec 07	990	ND	ND	ND
	Mar 08	1,200	NS	NS	NS
	June 08	930	ND	ND	ND
	Oct 08	1,300	5.7	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	1,400	6.1	ND	ND
MW-20	Nov 03	1,800	ND	ND	ND
	Jan 04	290	2.8	ND	ND
	May 05	1,460	ND	ND	ND
	Dec 05	1,800	ND	ND	ND
	Mar 06	NS	NS	NS	NS
	June 06	2,100	ND	ND	ND
	Oct 06	2,000	ND	ND	ND
	Dec 06	2,500	ND	ND	ND
	Mar 07	1,500	ND	ND	ND
	June 07	1,300	ND	ND	ND
	Sept 07	730	ND	ND	ND
	Dec 07	1,400	ND	ND	ND
	Mar 08	1,600	NS	NS	NS
	June 08	1,200	ND	ND	ND
	Oct 08	1,000	3.5	ND	ND
	Feb 09	830	ND	ND	ND

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	June 09	1,100	3.3	ND	ND
MW-21	Nov 03	51	ND	ND	ND
	Jan 04	55	ND	ND	ND
	May 05	30	ND	ND	ND
	Sept 05	19	2.4	1.5	ND
	Dec 05	16	1.8	1.3	ND
	Mar 06	43	ND	ND	ND
	June 06	32	ND	ND	ND
	Oct 06	23	ND	ND	ND
	Dec 06	39	ND	ND	ND
	June 07	28	ND	ND	ND
	Dec 07	83	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	20	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-22	May 05	ND	ND	ND	ND
	Sept 05	ND	ND	ND	ND
	Dec 05	1.0	ND	ND	ND
	Mar 06	ND	ND	ND	ND
	June 06	ND	ND	ND	ND
	Oct 06	ND	ND	ND	ND
	Dec 06	ND	ND	ND	ND
	June 07	ND	ND	ND	ND
	Dec 07	ND	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	NS	NS	NS	NS
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-23	May 05	1,430	ND	ND	ND
	Dec 05	1,900	ND	ND	ND
	Mar 06	NS	NS	NS	NS
	June 06	1,500	ND	ND	ND
	Oct 06	2,000	ND	ND	ND
	Dec 06	2,100	ND	ND	ND
	Mar 07	2.100	ND	ND	ND
	June 07	1,300	ND	ND	ND

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	Sept 07	750	ND	ND	ND
	Dec 07	1,200	ND	ND	ND
	Mar 08	1,400	ND	ND	ND
	June 08	1,100	ND	ND	ND
	Oct 08	1,300	4.4	ND	ND
	Feb 09	1,100	ND	ND	ND
	June 09	1,400	4.6	ND	ND
MW-24	May 05	ND	ND	ND	ND
	Sept 05	4.3	ND	ND	ND
	Dec 05	6.7	ND	ND	ND
	Mar 06	6.5	ND	ND	ND
	June 06	5.6	ND	ND	ND
	Oct 06	2.6	ND	ND	ND
	Dec 06	2.6	ND	ND	ND
	June 07	1.0	ND	ND	ND
	Dec 07	ND	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	NS	NS	NS	NS
	Oct 08	6.1	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	NS	NS	NS	NS
MW-25	May 05	993	ND	ND	ND
	Sept 05	920	ND	ND	ND
	Dec 05	1,000	ND	ND	ND
	Mar 06	970	ND	ND	ND
	June 06	960	ND	ND	ND
	Oct 06	1,300	ND	ND	ND
	Dec 06	1,200	ND	ND	ND
	Mar 07	670	ND	ND	ND
	June 07	960	ND	ND	ND
	Sept 07	560	ND	ND	ND
	Dec 07	780	ND	ND	ND
	Mar 08	890	ND	ND	ND
	June 08	630	ND	ND	ND
	Oct 08	730	1.5	ND	ND
	Feb 09	770	ND	ND	ND
	June 09	880	2.0	ND	ND
MW-26	Mar 06	730	ND	ND	ND
	June 06	770	ND	ND	ND

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	Oct 06	1,100	ND	ND	ND
	Dec 06	NS	NS	NS	NS
	Mar 07	790	ND	ND	ND
	June 07	960	ND	ND	ND
	Sept 07	620	ND	ND	ND
	Dec 07	910	ND	ND	ND
	Mar 08	1,100	ND	ND	ND
	June 08	930	ND	ND	ND
	Oct 08	900	1.4	ND	ND
	Feb 09	960	ND	ND	ND
	June 09	970	1.5	ND	ND
MW-27	Mar 06	220	ND	ND	ND
	June 06	350	ND	ND	ND
	Oct 06	380	ND	ND	ND
	Dec 06	380	ND	ND	ND
	Mar 07	160	ND	ND	ND
	June 07	340	ND	ND	ND
	Sept 07	320	ND	ND	ND
	Dec 07	430	ND	ND	ND
	Mar 08	580	ND	ND	ND
	June 08	320	ND	ND	ND
	Oct 08	510	2.6	ND	ND
	Feb 09	510	ND	ND	ND
	June 09	570	3.3	ND	ND
MW-28	Nov 07	3.0	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	1.0	ND	ND	ND
	Oct 08	2.2	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	3.3	ND	ND	ND
MW-29	Nov 07	2.5	ND	ND	ND
	Mar 08	NS	NS	NS	NS
	June 08	1.0	ND	ND	ND
	Oct 08	2.2	ND	ND	ND
	Feb 09	NS	NS	NS	NS
	June 09	1.3	ND	ND	ND
MW-30	Nov 07	74	ND	ND	ND
	Mar 08	86	ND	ND	ND
	June 08	49	ND	ND	ND

Table A-2
Historical Groundwater Analytical Results
Maryland Square Shopping Center

Well ID	Date	PCE (µg/l)	TCE (µg/l)	cis-1,2-Dichloroethane (µg/l)	Vinyl Chloride (µg/l)
	Oct 08	100	1.8	ND	ND
	Feb 09	71	ND	ND	ND
	June 09	110	2.0	ND	ND
MW-31	Mar 08	49	ND	ND	ND
	June 08	31	ND	ND	ND
	Oct 08	39	ND	ND	ND
	Feb 09	44	ND	ND	ND
	June 09	45	ND	ND	ND
MW-32	Mar 08	720	ND	ND	ND
	June 08	750	ND	ND	ND
	Oct 08	990	6.1	ND	ND
	Feb 09	1,000	7.2	ND	ND
	June 09	1,000	5.3	ND	ND
MW-33	Mar 08	2.4	ND	ND	ND
	June 08	1.0	ND	ND	ND
	Oct 08	3.4	ND	ND	ND
	Feb 09	ND	ND	ND	ND
	June 09	ND	ND	ND	ND

ND = Not Detected
NS = Not Sampled

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
MW-1	Jan 04	6.97	3.48	NM	0.93	22.5	NM	NM
	May 05	7.02	3.98	441	5.43	26.0	NM	110
	Sept 05	7.08	4.16	64	6.99	27.5	2.7	129
	Dec 05	6.98	5.10	290	2.01	26.9	3.2	404
	Mar 06	*	5.62	>999	*	23.1	3.7	545
	June 06	NM	NM	NM	NM	NM	NM	NM
	Oct 06	6.32	3.71	81	4.61	26.7	2.4	129
	Dec 06	6.74	4.44	>999	5.12	26.9	2.8	111
	June 07	7.02	2.29	611	6.24	25.7	1.4	468
	Dec 07	6.35	3.90	15	5.53	22.2	2.5	223
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.58	3.70	62.4	1.13	27.06	2.4	130
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	7.10	3.74	39.6	1.61	26.2	2.4	101
MW-2	Jan 04	7.05	3.10	NM	1.13	23.2	NM	NM
	May 05	6.93	3.47	698	4.82	23.4	NM	193
	Dec 05	6.63	4.82	360	2.67	25.4	3.1	264
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	*	3.70	728	6.98	24.9	2.4	116
	Oct 06	6.12	3.48	20	5.11	24.4	2.2	161
	Dec 06	6.78	4.19	28	4.94	24.5	2.7	241
	June 07	6.98	3.52	539	5.65	24.4	2.3	305
	Dec 07	6.30	3.59	144	6.86	21.8	2.3	314
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.86	3.54	44.7	3.40	24.85	2.3	103
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	6.98	3.69	15.4	1.93	24.5	2.4	116
MW-3	Jan 04	6.87	2.91	NM	0.97	22.4	NM	NM
	May 05	6.99	2.88	*	2.54	26.0	NM	149
	Dec 05	6.55	4.69	100	0.88	27.3	3.0	33
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	*	3.76	285	5.61	26.4	2.4	-32
	Oct 06	5.91	3.90	26	2.04	26.7	2.5	279
	Dec 06	6.69	4.80	272	2.89	26.7	3.1	9

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	June 07	7.06	3.70	605	3.59	25.9	2.4	43
	Dec 07	6.13	3.92	55.1	2.17	21.9	2.5	135
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.68	3.82	44.2	0.43	27.54	2.4	99
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-4	Jan 04	6.95	2.71	NM	1.23	22.0	NM	NM
	May 05	6.83	3.73	664	3.68	24.2	NM	160
	Dec 05	6.68	4.90	670	3.22	25.9	3.1	219
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	NM	NM	NM	NM	NM	NM	NM
	Oct 06	NM	NM	NM	NM	NM	NM	NM
	Dec 06	NM	NM	NM	NM	NM	NM	NM
	June 07	NM	NM	NM	NM	NM	NM	NM
	Dec 07	NM	NM	NM	NM	NM	NM	NM
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	NM	NM	NM	NM	NM	NM	NM
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-5	Jan 04	6.72	2.61	NM	1.20	22.3	NM	NM
	May 05	7.09	2.59	*	4.56	25.4	NM	184
	Dec 05	6.78	5.28	>999	1.51	26.8	3.3	377
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	*	3.80	>999	6.93	26.6	2.4	126
	Oct 06	6.23	3.51	21	4.82	26.7	2.2	99
	Dec 06	6.81	4.49	134	5.36	26.5	2.9	93
	June 07	7.04	3.44	375	6.51	25.2	2.2	460
	Dec 07	6.27	3.77	28.3	5.73	24.4	2.4	159
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.80	3.54	21.4	4.80	27.36	2.3	119
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	7.02	3.59	0.0	5.57	26.2	2.3	125
MW-6	Jan 04	6.97	2.31	NM	1.19	22.4	NM	NM

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	May 05	6.91	2.35	*	2.81	25.9	NM	123
	Sept 05	6.99	3.95	34	6.23	26.9	2.3	-119
	Dec 05	6.80	4.86	220	1.10	26.5	3.2	163
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	*	4.00	707	6.34	26.7	2.4	172
	Oct 06	6.27	3.55	7	4.12	26.5	2.3	61
	Dec 06	6.69	4.23	96	4.37	26.2	2.7	239
	June 07	7.09	3.45	352	5.56	24.9	2.2	241
	Dec 07	6.19	3.81	4.3	5.35	24.8	2.4	277
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.82	3.53	46.3	3.26	26.26	2.3	117
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	6.98	3.51	76.3	2.80	26.7	2.2	121
MW-7	Jan 04	7.00	2.23	NM	0.93	22.4	NM	NM
	May 05	7.10	1.79	*	4.03	24.8	NM	129
	Sept 05	6.97	4.62	140	6.22	26.6	3.0	144
	Dec 05	6.67	5.33	5	1.80	23.8	3.4	472
	Mar 06	4.67	6.71	428	*	22.4	4.2	634
	June 06	*	4.12	>999	6.58	26.2	2.6	-14
	Oct 06	6.24	3.68	>999	4.41	25.0	2.3	92
	Dec 06	6.86	4.80	>999	5.72	25.1	3.0	65
	June 07	7.12	3.59	450	6.26	25.1	2.2	129
	Dec 07	6.21	4.03	0	2.34	22.5	2.6	161
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.62	3.77	204	3.50	26.68	2.4	134
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-8	Jan 04	6.99	2.16	NM	1.04	22.0	NM	NM
	May 05	7.03	1.75	*	3.64	27.7	NM	107
	Dec 05	6.68	4.24	>999	2.08	24.1	2.7	483
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	*	3.66	>999	6.92	27.4	2.3	185
	Oct 06	6.24	3.44	>999	5.86	26.7	2.2	108
	Dec 06	6.91	4.27	>999	6.96	27.0	2.7	103
	June 07	7.05	3.52	259	7.27	27.3	2.3	287

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	Dec 07	6.46	3.71	0	3.53	25.5	2.4	158
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.78	3.50	421	5.18	26.88	2.2	154
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-9	Jan 04	6.99	2.50	NM	1.18	22.6	NM	NM
	May 05	7.14	2.68	296	7.56	26.12	NM	130
	Sept 05	7.17	1.81	4	6.58	27.1	1.2	111
	Dec 05	6.88	2.45	33	2.49	26.6	1.6	123
	Mar 06	5.06	2.08	>999	*	25.9	1.3	496
	June 06	NM	NM	NM	NM	NM	NM	NM
	Oct 06	6.30	2.38	0	4.11	25.71	1.5	86
	Dec 06	6.81	2.96	0	5.09	25.46	1.9	233
	June 07	7.12	2.47	0	5.60	26.09	1.6	428
	Dec 07	NM	NM	NM	NM	NM	NM	NM
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	7.04	1.39	162	4.70	26.63	0.9	58
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	7.47	1.35	>-5.0	3.98	26.5	0.8	-9
MW-10	Jan 04	7.00	3.13	NM	1.03	24.4	NM	NM
	May 05	6.82	3.20	25	1.46	28.1	NM	-253
	Sept 05	6.96	2.90	28	3.89	27.9	1.9	-239
	Dec 05	6.69	3.66	57	1.47	23.9	2.3	-140
	Mar 06	5.73	1.77	153	*	21.3	1.2	-154
	June 06	*	2.10	>999	3.54	28.1	1.5	-303
	Oct 06	6.16	1.37	86	1.58	27.1	0.9	-272
	Dec 06	6.82	3.90	144	3.94	26.6	2.5	-321
	June 07	6.95	3.46	>999	2.71	27.3	2.1	-179
	Dec 07	6.88	3.6	0	0.61	24.5	2.3	-170
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.84	2.91	100	0.00	27.67	1.9	-226
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-11	Jan 04	NM	NM	NM	NM	NM	NM	NM
	May 05	NM	NM	NM	NM	NM	NM	NM
	Mar 06	NM	NM	NM	NM	NM	NM	NM

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	June 06	NM	NM	NM	NM	NM	NM	NM
	Oct 06	NM	NM	NM	NM	NM	NM	NM
	Dec 06	NM	NM	NM	NM	NM	NM	NM
	June 07	NM	NM	NM	NM	NM	NM	NM
	Dec 07	NM	NM	NM	NM	NM	NM	NM
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	NM	NM	NM	NM	NM	NM	NM
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-12	Jan 04	6.99	2.15	NM	NM	22.4	NM	NM
	May 05	6.76	2.58	*	3.22	24.9	NM	219
	Sept 05	7.03	4.22	160	4.96	25.6	2.7	95
	Dec 05	6.68	4.98	210	2.00	22.5	3.2	523
	Mar 06	*	6.65	91	*	23.5	4.2	503
	June 06	NM	NM	NM	NM	NM	NM	NM
	Oct 06	6.32	3.94	>999	3.88	26.1	2.5	112
	Dec 06	6.61	4.38	>999	6.15	25.3	2.8	206
	June 07	7.12	3.75	>999	3.46	25.5	2.4	-39
	Dec 07	6.32	3.91	286	2.59	24.7	2.5	207
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.73	3.82	366	0.84	26.93	2.4	119
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-13	Jan 04	6.61	3.29	NM	1.07	22.2	NM	NM
	May 05	6.97	2.06	>999	4.16	24.5	NM	118
	Sept 05	7.07	3.95	270	6.85	25.4	2.5	144
	Dec 05	6.70	5.03	330	2.19	24.9	3.2	250
	Mar 06	5.45	3.64	44	*	22.8	2.3	68
	June 06	*	3.72	425	7.11	24.2	2.4	120
	Oct 06	6.16	3.63	50	3.84	24.6	2.3	169
	Dec 06	6.75	4.25	94	4.17	24.5	2.7	330
	Mar 07	6.87	3.51	308	9.46	24.0	2.3	514
	June 07	7.04	3.49	0	6.14	23.6	2.2	411
	Sept 07	6.74	3.31	3	4.74	27.7	2.1	228
	Dec 07	6.43	3.68	19.7	6.54	21.3	2.4	282

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.82	3.47	50.3	3.08	24.83	2.2	87
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	6.97	3.78	15.7	3.00	24.4	2.4	120
MW-14	Jan 04	6.99	2.27	NM	1.30	22.3	NM	NM
	May 05	6.95	3.23	NM	NM	24.7	NM	140
	Dec 05	6.78	5.31	>999	2.07	26.1	3.3	206
	Mar 06	5.23	6.76	898	*	24.2	4.3	234
	June 06	*	3.93	>999	6.75	25.4	2.5	119
	Oct 06	6.06	3.55	>999	6.96	24.8	2.3	297
	Dec 06	6.76	4.50	350	4.18	25.7	2.9	226
	Mar 07	6.82	3.71	455	8.08	25.1	2.4	501
	June 07	6.97	3.72	259	6.40	24.8	2.4	299
	Sept 07	6.77	3.49	103	4.15	32.2	2.2	220
	Dec 07	6.43	4.03	9.7	5.66	23.3	2.6	147
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.80	3.69	249	3.07	25.71	2.4	116
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	7.00	3.95	>-5.0	2.89	25.6	2.5	118
MW-15	Jan 04	6.35	2.20	NM	1.00	22.4	NM	NM
	May 05	6.99	2.33	*	2.85	25.1	NM	164
	Sept 05	6.97	3.57	36	3.48	25.8	2.3	-24
	Dec 05	6.58	4.45	140	1.03	25.9	2.8	-38
	Mar 06	4.70	6.40	20	*	23.9	4.0	613
	June 06	*	3.84	300	4.26	26.0	2.5	106
	Oct 06	6.17	3.66	10	2.01	25.7	2.3	51
	Dec 06	6.78	4.68	15	3.44	25.9	3.0	28
	June 07	6.97	3.62	37	3.08	25.3	2.3	362
	Dec 07	6.38	3.66	0	1.94	23.3	2.3	170
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.75	3.56	132	2.11	27.04	2.3	112
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
MW-16	Jan 04	6.97	2.31	NM	0.68	22.4	NM	NM
	May 05	7.12	2.88	*	1.10	25.2	NM	-4
	Sept 05	7.00	3.42	520	3.50	24.6	2.3	-31
	Dec 05	6.74	3.76	>999	1.30	25.3	2.4	48
	Mar 06	5.15	5.74	199	*	23.8	3.6	162
	June 06	*	3.44	>999	5.56	27.1	2.2	-64
	Oct 06	6.25	3.39	32	2.00	24.6	2.2	-145
	Dec 06	6.52	3.62	271	2.87	24.4	1.3	-52
	June 07	6.72	3.27	282	2.23	25.0	2.1	94
	Dec 07	6.46	3.36	0	1.90	24.9	2.2	82
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.87	3.22	68	0.00	24.91	2.1	38
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-17	May 05	6.92	3.49	22	5.94	24.1	NM	181
	Dec 05	6.90	4.65	6	2.30	26.8	3.0	240
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	NM	NM	NM	NM	NM	NM	NM
	Oct 06	6.22	3.45	2	7.36	24.9	2.2	174
	Dec 06	6.86	4.14	25	6.81	24.1	2.7	386
	Mar 07	7.00	3.56	87	8.12	24.3	2.3	350
	June 07	7.02	3.66	37	7.26	25.0	2.3	471
	Sept 07	6.74	3.44	0	4.95	26.7	2.2	197
	Dec 07	6.26	3.89	0	4.81	19.7	2.5	176
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.78	3.72	-3.1	4.08	24.98	2.4	136
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	5.62	3.83	0	1.28	25.0	2.4	170
MW-18	May 05	7.10	3.86	>999	5.56	24.3	NM	139
	Sept 05	7.10	4.12	3	6.21	26.3	2.6	88
	Dec 05	6.79	4.73	*	1.98	25.2	3.0	420
	Mar 06	5.17	6.21	3	*	23.3	3.9	237
	June 06	*	3.61	304	6.18	25.4	2.3	166
	Oct 06	6.30	3.47	0	4.06	25.5	2.2	127

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	Dec 06	6.80	4.16	0	4.30	24.7	2.7	297
	Mar 07	7.01	3.44	23	7.53	22.8	2.2	286
	June 07	7.02	3.46	24	5.54	23.9	2.2	394
	Sept 07	6.81	3.28	22	5.43	29.3	2.1	210
	Dec 07	6.30	3.64	0	5.77	21.6	2.3	232
	Mar 08	6.94	3.45	0.2	4.30	21.2	2.2	212
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	5.48	3.50	14.3	7.84	25.53	2.2	196
	Feb 09	6.72	3.33	0	3.77	22.7	2.1	90
	June 09	7.25	3.52	20.2	3.47	23.9	2.3	131
MW-19	Jan 04	6.99	1.90	NM	1.02	22.4	NM	NM
	May 05	7.13	1.86	*	5.76	25.0	NM	130
	Dec 05	6.64	4.74	*	1.95	24.7	3.0	388
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	*	3.69	>999	7.86	27.1	2.4	86
	Oct 06	6.10	3.69	>999	4.60	23.9	2.4	175
	Dec 06	6.80	4.38	>999	5.70	23.9	2.8	595
	Mar 07	6.93	3.66	>999	9.08	24.3	2.3	284
	June 07	7.10	3.53	>999	6.72	24.5	2.3	551
	Sept 07	6.84	3.40	352	5.09	27.4	2.2	201
	Dec 07	6.40	3.76	440	5.60	24.3	2.4	150
	Mar 08	7.04	3.68	7.6	5.19	24.8	2.3	190
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.90	3.47	18	4.09	24.35	2.2	135
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	7.03	3.59	178	4.49	25.8	2.3	125
MW-20	Jan 04	6.94	2.07	NM	1.11	22.6	NM	NM
	May 05	7.16	1.32	*	4.97	23.6	NM	131
	Dec 05	6.76	4.37	*	0.77	20.5	2.8	272
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	*	3.82	736	6.91	28.6	2.1	70
	Oct 06	6.13	2.63	>999	4.11	23.7	1.8	234
	Dec 06	6.79	4.11	284	4.34	23.9	2.6	245
	Mar 07	6.92	3.34	999	9.84	23.8	2.2	530
	June 07	7.04	3.45	>999	5.39	23.8	2.2	346
	Sept 07	6.83	3.26	248	4.42	32.5	2.1	207

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	Dec 07	6.33	3.75	24.6	5.37	21.9	2.4	180
	Mar 08	6.92	3.52	33	3.99	23.6	2.3	184
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	7.32	3.45	-5	2.29	25.2	NM	181
	Feb 09	6.63	3.47	247	2.47	23.4	2.2	99
	June 09	6.90	3.65	>-5.0	2.23	23.9	2.3	140
MW-21	Jan 04	6.91	2.04	NM	1.08	22.3	NM	NM
	May 05	7.07	2.82	*	2.88	24.6	NM	131
	Sept 05	7.06	4.66	39	4.07	25.8	2.6	109
	Dec 05	6.64	4.60	>999	0.54	24.3	2.9	264
	Mar 06	5.52	3.58	140	*	23.0	2.3	309
	June 06	*	3.50	>999	4.73	28.5	2.3	112
	Oct 06	6.24	3.46	>999	1.99	24.1	2.2	79
	Dec 06	6.74	4.48	617	2.72	24.0	2.9	89
	June 07	7.03	3.44	>999	4.22	24.2	2.2	373
	Dec 07	6.24	3.71	>999	4.44	19.3	2.4	117
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	7.15	3.40	545	0.00	24.50	NM	173
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-22	May 05	6.79	3.89	474	1.68	24.1	NM	46
	Sept 05	6.90	4.25	10	7.16	23.9	2.7	46
	Dec 05	6.42	4.20	*	1.31	24.6	2.7	213
	Mar 06	4.79	6.09	30	*	24.0	3.8	269
	June 06	*	3.39	287	5.96	26.4	2.2	376
	Oct 06	5.98	3.74	11	2.43	23.8	2.4	141
	Dec 06	6.48	4.48	0	3.52	23.5	2.9	477
	June 07	6.72	3.77	26	3.39	24.3	2.4	137
	Dec 07	6.31	3.98	55.6	2.32	23.8	2.5	216
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	NM	NM	NM	NM	NM	NM	NM
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-23	May 05	7.00	3.63	*	2.56	24.5	NM	121

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	Dec 05	6.71	4.91	*	2.13	24.9	3.1	320
	Mar 06	NM	NM	NM	NM	NM	NM	NM
	June 06	*	3.68	318	5.77	23.8	2.3	238
	Oct 06	6.27	3.50	0	2.51	24.0	2.2	107
	Dec 06	6.79	4.21	0	3.20	24.2	2.7	2
	Mar 07	NM	NM	NM	NM	NM	NM	NM
	June 07	6.99	3.49	31	4.23	23.5	2.2	301
	Sept 07	6.81	3.31	1	3.78	25.8	2.1	204
	Dec 07	6.28	3.69	0	5.52	22.1	2.4	250
	Mar 08	6.99	6.32	0.4	2.21	24.0	4.1	188
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.70	3.54	18.3	1.97	23.40	2.3	170
	Feb 09	6.68	3.37	0	1.11	23.0	2.2	82
	June 09	7.21	3.59	7.1	0.61	23.8	2.3	124
MW-24	May 05	6.97	3.56	>999	1.48	23.1	NM	76
	Sept 05	7.00	3.83	25	3.62	25.8	2.4	5
	Dec 05	6.56	4.46	29	1.04	25.6	2.7	183
	Mar 06	4.70	6.02	1	*	22.6	3.8	503
	June 06	*	3.44	201	5.11	25.1	2.2	132
	Oct 06	6.17	3.20	0	1.22	25.5	2.0	-23
	Dec 06	6.85	4.13	0	2.56	25.1	2.6	62
	June 07	7.05	3.25	23	2.53	23.2	2.1	409
	Dec 07	6.21	3.46	0	1.72	24.4	2.2	118
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.80	3.35	-2.3	1.09	25.19	2.1	152
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	NM	NM	NM	NM	NM	NM	NM
MW-25	May 05	7.03	4.00	>999	4.34	23.6	NM	141
	Sept 05	7.01	4.18	30	5.10	26.2	2.7	57
	Dec 05	6.63	5.28	0	1.35	24.7	3.3	417
	Mar 06	5.15	6.67	94	*	23.6	4.2	255
	June 06	*	3.93	228	5.74	23.5	2.5	376
	Oct 06	6.23	3.72	0	3.08	23.6	2.4	106
	Dec 06	6.74	4.45	0	3.75	23.9	2.8	429
	Mar 07	7.02	3.72	>999	7.45	23.3	2.4	258

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	June 07	6.96	3.73	50	4.51	23.0	2.4	485
	Sept 07	6.72	3.52	15	3.59	27.0	2.3	195
	Dec 07	6.27	3.89	0	4.79	19.4	2.5	168
	Mar 08	6.94	3.65	11.9	2.52	24.4	2.3	170
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.78	3.74	30.2	2.29	23.54	2.4	-94
	Feb 09	6.69	3.53	0	2.07	23.7	2.3	66
	June 09	7.18	3.71	6.9	1.23	24.1	2.4	127
MW-26	Mar 06	6.83	3.75	0	2.59	23.8	2.4	158
	June 06	*	2.32	229	4.83	24.1	1.5	305
	Oct 06	6.18	69.4	0	2.91	23.7	2.4	180
	Dec 06	NM	NM	NM	NM	NM	NM	NM
	Mar 07	6.99	3.76	>999	7.14	23.5	2.4	422
	June 07	7.01	3.51	41	4.82	23.6	2.5	517
	Sept 07	6.74	3.56	5	3.48	27.1	2.3	176
	Dec 07	6.42	3.98	0	5.12	21.7	2.5	212
	Mar 08	6.97	3.81	0.7	7.88	24.3	2.4	176
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.81	3.86	-7.2	2.72	23.99	2.5	86
	Feb 09	6.69	3.67	0	3.31	23.9	2.3	82
	June 09	7.20	3.79	49.3	2.24	25.4	2.5	133
MW-27	Mar 06	6.83	3.28	0	2.44	21.9	2.1	142
	June 06	*	3.67	626	4.57	26.1	2.3	69
	Oct 06	6.20	3.32	0	2.84	22.2	2.1	155
	Dec 06	6.81	4.02	507	4.48	22.2	2.6	444
	Mar 07	6.97	3.25	83	6.96	21.9	2.1	181
	June 07	7.04	3.26	238	4.14	22.2	2.1	392
	Sept 07	6.76	3.41	22	3.40	24.2	2.2	198
	Dec 07	6.37	3.84	0	3.52	20.6	2.5	153
	Mar 08	7.02	3.40	1.4	2.45	22.6	2.2	174
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.50	3.80	25.2	1.10	22.59	2.4	105
	Feb 09	6.56	3.59	0	0.71	21.9	2.3	108
	June 09	7.14	3.85	0	0.53	24.1	2.5	128
MW-28	Nov 07	6.80	4.15	196	9.62	26.8	2.7	125
	Mar 08	NM	NM	NM	NM	NM	NM	NM

Table A-3
Historical Field Water Quality Measurements
Maryland Square Shopping Center

Well ID	Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.82	4.21	165	0.58	22.77	2.7	82
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	7.18	4.17	63.8	0	23.5	2.7	119
MW-29	Nov 07	6.89	4.26	15.1	6.04	21.8	2.7	108
	Mar 08	NM	NM	NM	NM	NM	NM	NM
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.76	4.02	500	3.90	20.01	2.6	122
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	7.23	4.04	212	3.27	20.5	2.6	133
MW-30	Nov 07	6.81	3.68	144	3.09	24.2	2.4	135
	Mar 08	6.94	3.30	7.2	3.69	18.8	2.1	204
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.71	3.74	221	0.88	20.10	2.4	124
	Feb 09	6.59	3.33	7.2	3.17	19.6	2.1	97
	June 09	7.09	3.65	34.3	1.16	21.4	2.3	141
MW-31	Mar 08	6.97	4.65	125	6.02	22.5	2.9	152
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.67	4.16	265	3.64	22.39	2.7	123
	Feb 09	6.52	4.01	11	3.39	21.9	2.6	99
	June 09	7.01	4.32	77.9	4.57	21.1	2.8	137
MW-32	Mar 08	7.41	3.64	5.4	2.44	23.3	2.3	136
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.88	3.79	23.7	1.04	23.79	2.4	-101
	Feb 09	6.71	3.58	22.5	1.00	23.4	2.3	75
	June 09	7.14	3.69	32.7	2.68	23.4	2.4	120
MW-33	Mar 08	6.99	3.49	82.4	7.55	20.3	2.2	161
	June 08	NM	NM	NM	NM	NM	NM	NM
	Oct 08	6.67	3.79	6.7	0.99	22.20	2.4	85
	Feb 09	6.41	3.72	0	0	21.3	2.4	120
	June 09	6.97	3.95	0	0	21.4	2.5	138

NM = Not Measured

Appendix B

Analytical Results

Veritas Laboratories
Truth in Quality, Truth in Service
6245 Harrison Drive, Suite 4, Las Vegas, NV 89120
(702) 321-8315 Phone
(702) 597-2098 Fax
Email: veritaslabs@msn.com

CLIENT NAME: Converse Consultants
731 Pilot Road, Suite H
Las Vegas, NV 89119
PROJECT MGR: Andrea Havens

CLIENT PROJECT NAME: **Maryland Square** VERITAS LAB ORDER ID: V0906011
CLIENT PROJECT NUMBER: 00-43367-09 DATE RECEIVED AT LAB: 06/03/09

Presented herein are the analytical results for samples received from the above referenced project.

Samples submitted for this project were not sampled by Veritas Laboratories. Unless otherwise noted, samples were received by Veritas Laboratories under a chain of custody in good condition, properly preserved, and within hold time for the requested analyses.

All laboratory analytical data presented herein was generated by a laboratory certified by the Nevada Division of Environmental Protection for each constituent and media reported for which a certification is required and offered.

Should you have any questions or comments, please feel free to contact me at (702) 321-8315.

General Comments:
All reported samples were analyzed within the EPA recommended Holding Time of 14 calendar days from the date of sampling for their initial runs. Diluted samples were subsequently analyzed beyond the 14th day.

Some Sample and/or QA results have been flagged as follows:
None

Bruce G. Cunningham

06/22/09

Bruce G. Cunningham
Veritas Laboratories
Nevada Lab ID NV00918

Date

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-2**
DATE SAMPLED: 06/03/09
VERITAS SAMPLE ID: V0906011-01

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/17/09, 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**880**	**250**	**50**
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**3.2 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	**1.1 J**	**5.0**	**1**				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	104	70-130%
1,2-Dichloroethane-d4	95	70-130%
Toluene-d8	97	70-130%
4-Bromofluorobenzene	113	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME:	Converse Consultants	CLIENT SAMPLE ID:	**MW-13**
CLIENT PROJECT NAME:	**Maryland Square**	DATE SAMPLED:	06/03/09
CLIENT PROJECT NUMBER:	00-43367-09	VERITAS SAMPLE ID:	V0906011-02

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS

MATRIX: Groundwater DATE(S) ANALYZED: 06/17/09, 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**2,200**	**250**	**50**
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**2.9 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	105	70-130%
1,2-Dichloroethane-d4	99	70-130%
Toluene-d8	96	70-130%
4-Bromofluorobenzene	112	70-130%

RL-Reporting Limit (Practical Quantitation Limit)

DF-Dilution Factor

J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-14**
DATE SAMPLED: 06/03/09
VERITAS SAMPLE ID: V0906011-03

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/17/09, 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**1,900**	**250**	**50**
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**4.4 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	108	70-130%
1,2-Dichloroethane-d4	103	70-130%
Toluene-d8	98	70-130%
4-Bromofluorobenzene	115	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-6**
DATE SAMPLED: 06/03/09
VERITAS SAMPLE ID: V0609011-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/17/09, 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**2,800**	**250**	**50**
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**14**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	**4.1 J**	**5.0**	**1**				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	109	70-130%
1,2-Dichloroethane-d4	109	70-130%
Toluene-d8	99	70-130%
4-Bromofluorobenzene	116	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-5**
DATE SAMPLED: 06/03/09
VERITAS SAMPLE ID: V0906011-05

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/17/09, 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**700**	**125**	**25**
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**4.6 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	**1.3 J**	**5.0**	**1**				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	109	70-130%
1,2-Dichloroethane-d4	114	70-130%
Toluene-d8	98	70-130%
4-Bromofluorobenzene	117	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-19**
DATE SAMPLED: 06/03/09
VERITAS SAMPLE ID: V0906011-06

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/17/09, 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**1,400**	**250**	**50**
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**6.1**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	114	70-130%
1,2-Dichloroethane-d4	121	70-130%
Toluene-d8	100	70-130%
4-Bromofluorobenzene	118	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK090617-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/17/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	Tetrachloroethene (PCE)	ND	5.0	1
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	110	70-130%
1,2-Dichloroethane-d4	117	70-130%
Toluene-d8	98	70-130%
4-Bromofluorobenzene	119	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK090619-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	Tetrachloroethene (PCE)	ND	5.0	1
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	119	70-130%
1,2-Dichloroethane-d4	125	70-130%
Toluene-d8	101	70-130%
4-Bromofluorobenzene	122	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

V0906011

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: Maryland Square

Project/PO Number: 00-43367-09

Project Manager: Andrea Havens

Phone Number: 263-7600

Sampler: Andrew Kirk

Fax Number: 269-8353

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Analysis Required: Full Range 8260									Special Instructions
#01	MW-2	AQ	VOA'S	3	0805	HCl	X									
#02	MW-13	↓	↓	3	0905	HCl	X									
#03	MW-14			3	0955	HCl	X									
#04	MW-6			3	1105	HCl	X									
#05	MW-5			3	1200	HCl	X									
#06	MW-19	↓	↓	3	1300	HCl	X									

Relinquished By:	Date/Time:	Received By:	Date/Time:
Andrew Kirk	6/3/09	[signature]	6/3/09 2:05
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☒ Normal

Sample Integrity: (Check)
- ☒ Intact
- ☒ On ice 14.3

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days

Veritas Laboratories
Truth in Quality, Truth in Service
6245 Harrison Drive, Suite 4, Las Vegas, NV 89120
(702) 321-8315 Phone
(702) 597-2098 Fax
Email: veritaslabs@msn.com

CLIENT NAME: Converse Consultants
731 Pilot Road, Suite H
Las Vegas, NV 89119
PROJECT MGR: Andrea Havens

CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09
VERITAS LAB ORDER ID: V0906024A
DATE RECEIVED AT LAB: 06/04/09

Presented herein are the analytical results for samples received from the above referenced project.

Samples submitted for this project were not sampled by Veritas Laboratories. Unless otherwise noted, samples were received by Veritas Laboratories under a chain of custody in good condition, properly preserved, and within hold time for the requested analyses.

All laboratory analytical data presented herein was generated by a laboratory certified by the Nevada Division of Environmental Protection for each constituent and media reported for which a certification is required and offered.

Should you have any questions or comments, please feel free to contact me at (702) 321-8315.

General Comments:
All reported samples were analyzed within the EPA recommended Holding Time of 14 calendar days from the date of sampling for their initial runs. Diluted samples were subsequently analyzed beyond the 14th day.

Some Sample and/or QA results have been flagged as follows:
None

Bruce G. Cunningham

06/29/09

Bruce G. Cunningham
Veritas Laboratories
Nevada Lab ID NV00918

Date

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-20**
DATE SAMPLED: 06/04/09
VERITAS SAMPLE ID: V0906024A-01

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater

DATE(S) ANALYZED: 06/17/09, 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**1,100**	**250**	**50**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**3.3 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	118	70-130%
1,2-Dichloroethane-d4	127	70-130%
Toluene-d8	100	70-130%
4-Bromofluorobenzene	124	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-18**
DATE SAMPLED: 06/04/09
VERITAS SAMPLE ID: V0906024A-02

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/17/09, 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**3,500**	**250**	**50**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**5.1**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	120	70-130%
1,2-Dichloroethane-d4	133 F2	70-130%
Toluene-d8	101	70-130%
4-Bromofluorobenzene	122	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
F2 Flag-Surrogate failed high.

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-23**
DATE SAMPLED: 06/04/09
VERITAS SAMPLE ID: V0906024A-03

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS

MATRIX: Groundwater

DATE(S) ANALYZED: 06/17/09, 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**1,400**	**250**	**50**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**4.6 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	122	70-130%
1,2-Dichloroethane-d4	139 F2	70-130%
Toluene-d8	101	70-130%
4-Bromofluorobenzene	125	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-25**
DATE SAMPLED: 06/04/09
VERITAS SAMPLE ID: V0609024A-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS

MATRIX: Groundwater

DATE(S) ANALYZED: 06/17/09, 06/23/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**880**	**250**	**50**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**2.0 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	125	70-130%
1,2-Dichloroethane-d4	145 F2	70-130%
Toluene-d8	101	70-130%
4-Bromofluorobenzene	128	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-28**
DATE SAMPLED: 06/04/09
VERITAS SAMPLE ID: V0906024A-05

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS

MATRIX: Groundwater

DATE(S) ANALYZED: 06/18/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**3.3 J**	**5.0**	**1**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	127	70-130%
1,2-Dichloroethane-d4	153 F2	70-130%
Toluene-d8	101	70-130%
4-Bromofluorobenzene	130	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-29**
DATE SAMPLED: 06/04/09
VERITAS SAMPLE ID: V0906024A-06

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS

MATRIX: Groundwater

DATE(S) ANALYZED: 06/18/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**1.3 J**	**5.0**	**1**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	131	70-130%
1,2-Dichloroethane-d4	159 F2	70-130%
Toluene-d8	102	70-130%
4-Bromofluorobenzene	130	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-27**
DATE SAMPLED: 06/04/09
VERITAS SAMPLE ID: V0906024A-07

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/18/09, 06/23/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**570**	**100**	**20**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**3.3 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	131	70-130%
1,2-Dichloroethane-d4	161 F2	70-130%
Toluene-d8	103	70-130%
4-Bromofluorobenzene	133	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-26**
DATE SAMPLED: 06/04/09
VERITAS SAMPLE ID: V0906024A-08

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS

MATRIX: Groundwater

DATE(S) ANALYZED: 06/18/09, 06/23/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**970**	**250**	**50**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**1.5 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	131 F2	70-130%
1,2-Dichloroethane-d4	163 F2	70-130%
Toluene-d8	104	70-130%
4-Bromofluorobenzene	130	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK090617-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS

MATRIX: Groundwater

DATE(S) ANALYZED: 06/17/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	Tetrachloroethene (PCE)	ND	5.0	1
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	110	70-130%
1,2-Dichloroethane-d4	117	70-130%
Toluene-d8	98	70-130%
4-Bromofluorobenzene	119	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK090619-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater

DATE(S) ANALYZED: 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	Tetrachloroethene (PCE)	ND	5.0	1
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	119	70-130%
1,2-Dichloroethane-d4	125	70-130%
Toluene-d8	101	70-130%
4-Bromofluorobenzene	122	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK090623-02

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater

DATE(S) ANALYZED: 06/23/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	Tetrachloroethene (PCE)	ND	5.0	1
Chloroform	ND	10	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	101	70-130%
1,2-Dichloroethane-d4	93	70-130%
Toluene-d8	99	70-130%
4-Bromofluorobenzene	97	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

V0906024A

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: Maryland Square

Project/PO Number: 00-43367-09

Project Manager: Andrea Havens

Phone Number: 263-7600

Sampler: Andrew Kirk

Fax Number: 269-8353

Analysis Required

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Full Range 8260								Special Instructions
01	MW-20	AQ	Vog's	3	0655	HCl	X								
02	MW-18			3	0745	HCl	X								
03	MW-23			3	0835	HCl	X								
04	MW-25			3	0925	HCl	X								
05	MW-28			3	1010	HCl	X								
06	MW-29			3	1100	HCl	X								
07	MW-27			3	1150	HCl	X								
08	MW-26			3	1240	HCl	X								

Relinquished By:	Date/Time:	Received By:	Date/Time:
Andrew Kirk	6/4/09 1:40	Kim Cummings	6/4/09 1:40 pm
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☒ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☒ On ice 13°C

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for service s is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days

1 OF 1

Veritas Laboratories
Truth in Quality, Truth in Service
6245 Harrison Drive, Suite 4, Las Vegas, NV 89120
(702) 321-8315 Phone
(702) 597-2098 Fax
Email: veritaslabs@msn.com

CLIENT NAME: Converse Consultants
731 Pilot Road, Suite H
Las Vegas, NV 89119
PROJECT MGR: Andrea Havens

CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09
VERITAS LAB ORDER ID: V0906024B
DATE RECEIVED AT LAB: 06/05/09

Presented herein are the analytical results for samples received from the above referenced project.

Samples submitted for this project were not sampled by Veritas Laboratories. Unless otherwise noted, samples were received by Veritas Laboratories under a chain of custody in good condition, properly preserved, and within hold time for the requested analyses.

All laboratory analytical data presented herein was generated by a laboratory certified by the Nevada Division of Environmental Protection for each constituent and media reported for which a certification is required and offered.

Should you have any questions or comments, please feel free to contact me at (702) 321-8315.

General Comments:
All reported samples were analyzed within the EPA recommended Holding Time of 14 calendar days from the date of sampling for their initial runs. Diluted samples were subsequently analyzed beyond the 14th day.

Some Sample and/or QA results have been flagged as follows:
None

Bruce G. Cunningham

06/29/09

Bruce G. Cunningham
Veritas Laboratories
Nevada Lab ID NV00918

Date

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-33**
DATE SAMPLED: 06/05/09
VERITAS SAMPLE ID: V0906024B-01

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/1809

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	Tetrachloroethene (PCE)	ND	5.0	1
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	110	70-130%
1,2-Dichloroethane-d4	102	70-130%
Toluene-d8	99	70-130%
4-Bromofluorobenzene	115	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-32**
DATE SAMPLED: 06/05/09
VERITAS SAMPLE ID: V0906024B-02

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater

DATE(S) ANALYZED: 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**1,000**	**125**	**25**
Chloroform	**5.9**	**5.0**	**1**	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**5.3**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	140 F2	70-130%
1,2-Dichloroethane-d4	163 F2	70-130%
Toluene-d8	106	70-130%
4-Bromofluorobenzene	131 F2	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-31**
DATE SAMPLED: 06/05/09
VERITAS SAMPLE ID: V0906024B-03

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater

DATE(S) ANALYZED: 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**45**	**5.0**	**1**
Chloroform	**12**	**5.0**	**1**	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	138 F2	70-130%
1,2-Dichloroethane-d4	154 F2	70-130%
Toluene-d8	104	70-130%
4-Bromofluorobenzene	128	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-30**
DATE SAMPLED: 06/05/09
VERITAS SAMPLE ID: V0609024B-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/18/09, 06/23/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**110**	**50**	**10**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	**Trichloroethene (TCE)**	**2.0 J**	**5.0**	**1**
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	107	70-130%
1,2-Dichloroethane-d4	108	70-130%
Toluene-d8	101	70-130%
4-Bromofluorobenzene	101	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
J Flag-Concentration reported below the Reporting Limit (PQL) but above the Method Detection Limit (MDL).
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-9**
DATE SAMPLED: 06/05/09
VERITAS SAMPLE ID: V0906024B-05

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/19/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**13**	**5.0**	**1**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	138 F2	70-130%
1,2-Dichloroethane-d4	161 F2	70-130%
Toluene-d8	106	70-130%
4-Bromofluorobenzene	133 F2	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
F2 Flag-Surrogate failed high.
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-1**
DATE SAMPLED: 06/05/09
VERITAS SAMPLE ID: V0906024B-06

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater

DATE(S) ANALYZED: 06/18/09, 06/23/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**590**	**100**	**20**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	113	70-130%
1,2-Dichloroethane-d4	104	70-130%
Toluene-d8	102	70-130%
4-Bromofluorobenzene	118	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **MW-17**
DATE SAMPLED: 06/05/09
VERITAS SAMPLE ID: V0906024B-07

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater

DATE(S) ANALYZED: 06/19/09, 06/23/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	**Tetrachloroethene (PCE)**	**270**	**50**	**10**
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	113	70-130%
1,2-Dichloroethane-d4	107	70-130%
Toluene-d8	100	70-130%
4-Bromofluorobenzene	118	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK090617-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater

DATE(S) ANALYZED: 06/17/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	Tetrachloroethene (PCE)	ND	5.0	1
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	110	70-130%
1,2-Dichloroethane-d4	117	70-130%
Toluene-d8	98	70-130%
4-Bromofluorobenzene	119	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK090618-09

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater

DATE(S) ANALYZED: 06/18/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	Tetrachloroethene (PCE)	ND	5.0	1
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 –Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	114	70-130%
1,2-Dichloroethane-d4	97	70-130%
Toluene-d8	101	70-130%
4-Bromofluorobenzene	122	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories

Truth in Quality, Truth in Service

CLIENT COMPANY NAME: Converse Consultants
CLIENT PROJECT NAME: **Maryland Square**
CLIENT PROJECT NUMBER: 00-43367-09

CLIENT SAMPLE ID: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK090623-02

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 06/23/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	5.0	1	Ethylbenzene	ND	5.0	1
Bromobenzene	ND	5.0	1	Hexachlorobutadiene	ND	5.0	1
Bromodichloromethane	ND	5.0	1	Isopropylbenzene	ND	5.0	1
Bromoform	ND	5.0	1	4-Isopropyltoluene	ND	5.0	1
Bromomethane	ND	5.0	1	Methylene chloride (DCM)	ND	5.0	1
n-Butylbenzene	ND	5.0	1	Naphthalene	ND	5.0	1
sec-Butylbenzene	ND	5.0	1	n-Propylbenzene	ND	5.0	1
tert-Butylbenzene	ND	5.0	1	Styrene	ND	5.0	1
Carbon tetrachloride	ND	5.0	1	1,1,1,2-Tetrachloroethane	ND	5.0	1
Chlorobenzene	ND	5.0	1	1,1,2,2-Tetrachloroethane	ND	5.0	1
Chloroethane	ND	5.0	1	Tetrachloroethene (PCE)	ND	5.0	1
Chloroform	ND	5.0	1	Toluene	ND	5.0	1
Chloromethane	ND	5.0	1	1,2,3-Trichlorobenzene	ND	5.0	1
2-Chlorotoluene	ND	5.0	1	1,2,4-Trichlorobenzene	ND	5.0	1
4-Chlorotoluene	ND	5.0	1	1,1,1-Trichloroethane (1,1,1-TCA)	ND	5.0	1
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	1	1,1,2-Trichloroethane (1,1,2-TCA)	ND	5.0	1
Dibromochloromethane	ND	5.0	1	Trichloroethene (TCE)	ND	5.0	1
1,2-Dibromoethane (EDB)	ND	5.0	1	Trichlorofluoromethane (Freon11)	ND	5.0	1
Dibromomethane	ND	5.0	1	1,2,3-Trichloropropane	ND	5.0	1
1,2-Dichlorobenzene (o-DCB)	ND	5.0	1	1,2,4-Trimethylbenzene	ND	5.0	1
1,3-Dichlorobenzene (m-DCB)	ND	5.0	1	1,3,5 -Trimethylbenzene	ND	5.0	1
1,4-Dichlorobenzene (p-DCB)	ND	5.0	1	Vinyl chloride	ND	5.0	1
Dichlorodifluoromethane (Freon 12)	ND	5.0	1	m,p-Xylene	ND	5.0	1
1,1-Dichloroethane (1,1-DCA)	ND	5.0	1	o-Xylene	ND	5.0	1
1,2-Dichloroethane (1,2-DCA)	ND	5.0	1	MTBE	ND	5.0	1
1,1-Dichloroethene (1,1-DCE)	ND	5.0	1				
cis-1,2-Dichloroethene	ND	5.0	1				
trans-1,2-Dichloroethene	ND	5.0	1				
1,2-Dichloropropane	ND	5.0	1				
1,3-Dichloropropane	ND	5.0	1				
2,2-Dichloropropane	ND	5.0	1				
1,1-Dichloropropene	ND	5.0	1				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	101	70-130%
1,2-Dichloroethane-d4	93	70-130%
Toluene-d8	99	70-130%
4-Bromofluorobenzene	97	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor

ND - Not Detected at Indicated Reporting Limit (PQL).

V09060246

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: Maryland Square

Project/PO Number: 00-43367-09

Project Manager: Andrea Harris

Phone Number: 363-7600

Sampler: Andrew Kirk

Fax Number: 269-8353

Analysis Required: EPA 8260B

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	EPA 8260B	Special Instructions
01	MW-33	AQ	Voa's	3	6/5/09 0655	HCl	X	
02	MW-32			3	6/5/09 0740	HCl	X	
03	MW-31			3	6/5/09 0830	HCl	X	
04	MW-30			3	6/5/09 0930	HCl	X	
05	MW-9			3	6/5/09 1055	HCl	X	
06	MW-1			3	6/5/09 1130	HCl	X	
07	MW-17			3	6/5/09 1210	HCl	X	

Relinquished By:	Date/Time:	Received By:	Date/Time:
Andrew Kirk	6/5/09 1:15pm	[signature]	6/5/09 1:15
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☒ Normal

Sample Integrity: (Check)
- ☒ Intact
- ☒ On ice 15.3 °C

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Appendix C

Field Sampling Sheets

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-1	Screened Interval (ft)	10'-30' BTOC	Well Diameter (in):	2"
Date:	6/5/09	Pump Intake Depth (ft)	23' BTOC	Static Water Level (ft):	19.87' BTOC
Sample ID	MW-1	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	25.65' BTOC
Time:	1130	PID Reading at TOC:	N/A	Water Column Length:	5.78
Dup ID:	N/A	Water Level Instrument :	Sol. inst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/5/09 0900		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1045	Pump	Start									
1050	200 ml	200	19.95	3.74	7.23	26.5	2.67	89	745	0.2	2.4
1054	1.0	200	19.95	3.74	7.13	26.0	2.08	93	632	0.2	2.4
1058	1.8	200	19.95	3.75	7.12	26.0	1.82	96	377	0.2	2.4
1102	2.6	200	19.95	3.75	7.11	26.0	1.72	99	276	0.2	2.4
1110	4.2	200	19.95	3.74	7.10	26.0	1.55	104	112	0.2	2.4
1118	5.8	200	19.95	3.74	7.10	26.2	1.70	108	49.1	0.2	2.4
1122	6.6	200	19.95	3.74	7.10	26.1	1.65	103	42.6	0.2	2.4
1126	7.4	200	19.95	3.74	7.10	26.2	1.61	101	39.6	0.2	2.4
1130	Commenced	Sampling									
1132			19.95								

Comments: Screen not fully submerged so pump intake minus static water level x 35%

Maximum permissable drawdown = 0.78 ft BTOC, water level not to draw down below 20.65 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-2	Screened Interval (ft)	10' - 32' BTOC	Well Diameter (in):	2"
Date:	6/3/09	Pump Intake Depth (ft)	21' BTOC	Static Water Level (ft):	18.93' BTOC
Sample ID	MW-2	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	29.40' BTOC
Time:	0805	PID Reading at TOC:	N/A	Water Column Length:	10.47
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44 **
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/3/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0715	Pump	Start									
0719	160 ml	160	18.93	3.59	6.33	24.6	4.79	120	>-5.0	0.2	PSI 30 2.4 I.D. 44
0722	600 ml	160	18.93	3.68	6.84	24.5	2.42	117	910	0.2	2.4
0726	1.5	160	18.93	3.68	6.92	24.5	2.18	115	329	0.2	2.4
0732	2.3	160	18.93	3.68	6.95	24.5	2.14	114	170	0.2	2.4
0738	3.3	160	18.93	3.69	6.96	24.5	2.10	113	122	0.2	2.4
0742	4.0	160	18.93	3.68	6.97	24.5	2.00	113	50.6	0.2	2.4
0750	5.2	160	18.93	3.69	6.98	24.4	1.96	115	19.3	0.2	2.4
0755	6.1	160	18.93	3.69	6.98	24.5	1.94	115	17.9	0.2	2.4
0758	6.7	160	18.93	3.68	6.98	24.5	1.94	116	16.8	0.2	2.4
0801	7.2	160	18.93	3.69	6.98	24.5	1.93	116	15.4	0.2	2.4
0805	Commenced	Sampling									
0806			18.93								

Comments: * Pump in the middle of the screen so pump intake minus top of screen x 25%
** Gave us 160 ml/min which is good for just filling VO Voa's

* Maximum permissable drawdown = 2.75 ft BTOC, water level not to draw down below 21.68 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-5	Screened Interval (ft)	10' - 32' BTOC	Well Diameter (in):	2"
Date:	6/3/09	Pump Intake Depth (ft)	22' BTOC	Static Water Level (ft):	19.14' BTOC
Sample ID	MW-5	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	29.00' BTOC
Time:	1200	PID Reading at TOC:	N/A	Water Column Length:	9.86
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ditega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low - Flow
		WQM Calibrated Date & Time:	6/3/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1123	Pump	Start									
1126	200 ml	200	19.14	3.64	7.05	27.7	6.91	115	496	0.2	2.3
1133	1.7	200	19.14	3.60	7.03	26.9	6.00	120	62.7	0.2	2.3
1138	2.5	200	19.14	3.59	7.03	26.8	5.83	121	30.1	0.2	2.3
1142	3.1	200	19.14	3.59	7.03	26.5	5.71	123	12.3	0.2	2.3
1146	4.0	200	19.14	3.60	7.02	26.5	5.64	124	2.7	0.2	2.3
1149	4.6	200	19.14	3.60	7.02	26.2	5.57	125	0.0	0.2	2.3
1152	5.2	200	19.14	3.58	7.02	26.6	5.55	125	0.0	0.2	2.3
1155	5.8	200	19.14	3.59	7.02	26.2	5.57	125	0.0	0.2	2.3
1200	Commenced	Sampling									
1202			19.14								

Comments: Screen not fully submerged so pump intake minus static water level x 25%

Maximum permissable drawdown = 0.72 ft BTOC, water level not to draw down below 19.86 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-6	Screened Interval (ft)	10' - 32' BTOC	Well Diameter (in):	2"
Date:	6/3/09	Pump Intake Depth (ft)	23' BTOC	Static Water Level (ft):	20.17' BTOC
Sample ID	MW-6	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	29.36' BTOC
Time:	1105	PID Reading at TOC:	N/A	Water Column Length:	9.19
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/3/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1015	Pump	Start									
1018	150 ml	150	20.19	3.90	7.01	29.7	3.92	116	>-5.0	0.2	2.5
1021	600 ml	150	20.19	3.43	7.03	26.4	3.43	119	>-5.0	0.2	2.2
1025	1.2	150	20.19	3.45	7.01	26.4	3.04	121	788	0.2	2.2
1030	2.1	150	20.19	3.49	7.01	26.3	2.83	122	324	0.2	2.2
1040	4.0	150	20.19	3.52	7.00	26.5	2.81	121	184	0.2	2.2
1046	5.0	150	20.19	3.51	7.00	26.2	2.83	121	88.3	0.2	2.2
1057	7.0	150	20.19	3.53	6.99	26.7	2.83	122	84.1	0.2	2.3
1102	7.8	150	20.19	3.51	6.98	26.7	2.80	121	76.3	0.2	2.2
1105	Commenced	Sampling									
1107			20.19								

Comments: Screen not fully submerged so pump intake minus static water level X 25%

Maximum permissable drawdown = 0.70 ft BTOC, water level not to draw down below 20.87 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-9	Screened Interval (ft)	46'-50' BTOC	Well Diameter (in):	2"
Date:	6/5/09	Pump Intake Depth (ft)	48' BTOC	Static Water Level (ft):	20.06' BTOC
Sample ID	MW-9	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	49.80' BTOC
Time:	1035	PID Reading at TOC:	N/A	Water Column Length:	29.74
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	511666	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T0080IS	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/5/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1001	Pump	Start									
1007	150 ml	150	20.07	1.08	7.59	26.6	3.56	-147	>-5.0	0.0	0.7
1011	800 ml	150	20.07	1.23	7.53	26.2	2.95	-94	>-5.0	0.1	0.6
1015	1.4	150	20.07	1.24	7.52	26.4	3.23	-61	>-5.0	0.1	0.8
1019	2.0	150	20.08	1.28	7.51	26.3	3.57	-34	>-5.0	0.1	0.8
1023	2.6	150	20.08	1.30	7.50	26.4	3.76	-21	>-5.0	0.1	0.8
1027	3.2	150	20.08	1.33	7.48	26.5	3.85	-18	>-5.0	0.1	0.8
1031	3.8	150	20.08	1.35	7.47	26.5	3.98	-9	>-5.0	0.1	0.8
1035	Commenced	Sampling									
1037			20.08								

Comments: Screen is fully submerged so pump intake mins top of screen x 25%

Maximum permissable drawdown = 0.5 ft BTOC, water level not to draw down below 20.56 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-13	Screened Interval (ft)	9-29' BTOC	Well Diameter (in):	2"
Date:	6/3/09	Pump Intake Depth (ft)	21' BTOC	Static Water Level (ft):	18.38' BTOC
Sample ID	MW-13	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	25.25' BTOC
Time:	0905	PID Reading at TOC:	N/A	Water Column Length:	6.87
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/3/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0825	Pump	Start									
0829	200ml	200	18.42	3.72	6.98	24.7	4.55	117	194	0.2	PS. 30 2.4 I.D. 44
0833	1.0	200	18.42	3.77	6.96	24.3	3.51	116	131	0.2	2.4
0838	2.0	200	18.42	3.79	6.96	24.1	3.15	116	72.5	0.2	2.4
0844	3.2	200	18.42	3.78	6.96	24.1	3.06	118	40.2	0.2	2.4
0849	4.2	200	18.42	3.78	6.96	24.2	2.99	119	26.1	0.2	2.4
0854	5.2	200	18.42	3.78	6.97	24.3	3.01	119	17.4	0.2	2.4
0857	5.9	200	18.42	3.77	6.97	24.4	2.99	120	16.2	0.2	2.4
0900	6.5	200	18.42	3.78	6.97	24.4	3.00	120	15.7	0.2	2.4
0905	Commenced	Sampling									
0907			18.42								

Comments: Screen is not fully submerged so pump intake minus static water level X 25%

Maximum permissable drawdown = 0.65 ft BTOC, water level not to draw down below 19.03 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-14	Screened Interval (ft)	15-40' BTOC	Well Diameter (in):	2"
Date:	6/3/09	Pump Intake Depth (ft)	28' BTOC	Static Water Level (ft):	18.63' BTOC
Sample ID	MW-14	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	30.30' BTOC
Time:	0955	PID Reading at TOC:	N/A	Water Column Length:	11.67
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/3/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0922	Pump	Start									
0926	150 ml	150	18.71	3.96	7.00	25.6	4.08	118	>-5.0	0.2	2.5
0930	800 ml	150	18.71	3.94	7.00	25.9	3.54	119	>-5.0	0.2	2.5
0934	1.4	150	18.71	3.95	6.99	25.5	3.11	118	>-5.0	0.2	2.5
0938	2.0	150	18.71	3.96	7.00	25.5	2.94	118	>-5.0	0.2	2.5
0942	3.0	150	18.71	3.95	7.00	25.5	2.92	118	>-5.0	0.2	2.5
0946	3.6	150	18.71	3.96	7.00	25.5	2.90	118	>-5.0	0.2	2.5
0951	4.3	150	18.71	3.95	7.00	25.6	2.89	118	>-5.0	0.2	2.5
0955	Commenced	Sampling									
0957			18.71								

Comments: Screen not fully submerged so pump intake minus static water level x 25%

Maximum permissable drawdown = 2.34 ft BTOC, water level not to draw down below 20.97 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-17	Screened Interval (ft)	15'-30' BTOC	Well Diameter (in):	4"
Date:	6/5/09	Pump Intake Depth (ft)	23' BTOC	Static Water Level (ft):	19.45' BTOC
Sample ID	MW-17	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	30.00' BTOC
Time:	1210	PID Reading at TOC:	N/A	Water Column Length:	10.55
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	511666	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/5/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1136	Pump	Start									
1140	200 ml	200	19.51	3.82	6.75	25.4	3.91	131	38.2	0.2	2.4
1144	1.0	200	19.51	3.81	6.18	25.2	2.98	146	17.3	0.2	2.4
1148	1.8	200	19.51	3.82	5.95	25.0	2.70	156	3.6	0.2	2.4
1152	2.6	200	19.51	3.81	5.83	24.9	5.56	164	0.0	0.2	2.4
1156	3.4	200	19.51	3.82	5.71	25.0	4.01	168	0.0	0.2	2.4
1200	4.2	200	19.51	3.82	5.65	25.0	1.45	170	0.0	0.2	2.4
1204	5.0	200	19.51	3.83	5.61	25.0	1.36	171	0.0	0.2	2.4
1208	5.8	200	19.51	3.83	5.62	25.0	1.28	170	0.0	0.2	2.4
1210	Commenced	Sampling									
1212			19.51								

Comments: Screen not fully submerged so pump intake minus static water level X 25%

Maximum permissable drawdown = 0.89 ft BTOC, water level not to draw down below 20.34 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-18	Screened Interval (ft)	5'-25' BTOC	Well Diameter (in):	4"
Date:	6/4/09	Pump Intake Depth (ft)	15' BTOC	Static Water Level (ft):	12.38' BTOC
Sample ID	MW-18	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	20.20' BTOC
Time:	0745	PID Reading at TOC:	N/A	Water Column Length:	7.82
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/4/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0722	Pump	Start									
0725	200 ml	200	12.37	3.54	7.29	24.2	4.36	139	72.4	0.2	2.3
0729	1.0	200	12.37	3.53	7.27	23.9	3.83	136	41.6	0.2	2.3
0733	1.9	200	12.37	3.53	7.26	23.9	3.61	133	22.9	0.2	2.3
0737	2.8	200	12.37	3.52	7.25	23.9	3.57	132	22.4	0.2	2.3
0740	3.4	200	12.37	3.52	7.25	23.9	3.50	131	21.5	0.2	2.3
0743	4.0	200	12.37	3.52	7.25	23.9	3.47	131	20.2	0.2	2.3
0745	Commenced	Sampling									
0747			12.37								

Comments: Screen not fully submerged so pump intake minus static water level X 25%

Maximum permissable drawdown = 0.66 ft BTOC, water level not to draw down below 13.04 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-19	Screened Interval (ft)	19' - 34' BTOC	Well Diameter (in):	2"
Date:	6/3/09	Pump Intake Depth (ft)	29' BTOC	Static Water Level (ft):	26.56' BTOC
Sample ID	MW-19	Purging/ Sample Device:	Portable pump	Total Well depth (ft):	30.95' BTOC
Time:	1300	PID Reading at TOC:	N/A	Water Column Length:	4.39
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	511166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/3/09 0700		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1220	Pump	Start									
1223	200 ml	200	26.59	3.69	7.07	26.6	6.65	115	>-5.0	0.2	2.4
1227	1.1	200	26.59	3.62	7.05	26.5	5.14	120	>-5.0	0.2	2.3
1231	2.0	200	26.59	3.54	7.05	26.5	4.82	122	>-5.0	0.2	2.3
1235	2.8	200	26.59	3.60	7.05	26.2	4.65	123	392	0.2	2.3
1240	4.0	200	26.59	3.58	7.04	26.6	4.60	123	245	0.2	2.3
1247	5.3	200	26.59	3.62	7.04	26.1	4.51	124	181	0.2	2.3
1252	6.3	200	26.59	3.60	7.04	26.0	4.47	124	190	0.2	2.3
1256	7.1	200	26.59	3.59	7.03	25.8	4.49	125	178	0.2	2.3
1300	Commenced	Sampling									
1302			26.59								

Comments: Screen not fully submerged so pump intake minus static water level X 25%

Maximum permissable drawdown = 0.61 ft BTOC, water level not to draw down below 27.17 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-20	Screened Interval (ft)	19'-34' BTOC	Well Diameter (in):	2"
Date:	6/4/09	Pump Intake Depth (ft)	29' BTOC	Static Water Level (ft):	26.45' BTOC
Sample ID	MW-20	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	32.55' BTOC
Time:	0655	PID Reading at TOC:	N/A	Water Column Length:	6.10
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 60 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/4/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0625	Pump	Start									
0627	200 ml	200	26.41	3.65	6.70	24.5	4.10	181	>-5.0	0.2	2.3
0631	1.0	200	26.41	3.65	7.06	23.9	2.66	158	>-5.0	0.2	2.3
0635	1.8	200	26.41	3.65	7.10	23.9	2.51	149	>-5.0	0.2	2.3
0639	2.5	200	26.41	3.65	7.09	23.8	2.41	144	>-5.0	0.2	2.3
0643	3.3	200	26.41	3.65	6.98	23.9	2.26	143	>-5.0	0.2	2.3
0647	4.1	200	26.41	3.65	6.87	23.9	2.25	142	>-5.0	0.2	2.3
0651	5.0	200	26.41	3.65	6.90	23.9	2.23	140	>-5.0	0.2	2.3
0655	Commenced	Sampling									
0657			26.41								

Comments: Screen not fully submerged so pump intake minus static water level X 25%

Maximum permissable drawdown = 0.64 ft BTOC, water level not to draw down below 27.09 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-23	Screened Interval (ft)	5'-25' BTOC	Well Diameter (in):	4"
Date:	6/4/09	Pump Intake Depth (ft)	20' BTOC	Static Water Level (ft):	16.41' BTOC
Sample ID	MW-23	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	25.20' BTOC
Time:	0835	PID Reading at TOC:	N/A	Water Column Length:	8.79
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/4/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0808	Pump	Start									
0810	200 ml	200	16.41	3.62	7.32	24.3	3.22	141	13.5	0.2	2.3
0814	1.0	200	16.41	3.61	7.23	23.8	1.19	135	8.6	0.2	2.3
0818	1.8	200	16.41	3.60	7.21	23.7	0.83	131	7.1	0.2	2.3
0822	2.6	200	16.41	3.59	7.21	23.7	0.73	127	7.3	0.2	2.3
0826	3.4	200	16.41	3.58	7.21	23.8	0.69	126	7.0	0.2	2.3
0830	4.2	200	16.41	3.59	7.21	23.7	0.64	124	7.3	0.2	2.3
0833	5.0	200	16.41	3.59	7.21	23.8	0.61	124	7.1	0.2	2.3

Comments: Screen not fully submerged so pump intake minus static water level X 25%

Maximum permissable drawdown = 0.90 ft BTOC, water level not to draw down below 17.31 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-25	Screened Interval (ft)	5' - 25' BTOC	Well Diameter (in):	4"
Date:	6/4/09	Pump Intake Depth (ft)	22' BTOC	Static Water Level (ft):	19.40' BTOC
Sample ID	MW-25	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	25.80' BTOC
Time:	0925	PID Reading at TOC:	N/A	Water Column Length:	6.40
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/4/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0853	Pump	Start									
0856	200 ml	200	19.40	3.75	7.24	24.3	2.38	136	22.6	0.2	2.4
0900	1.0	200	19.40	3.72	7.19	24.1	1.62	133	14.5	0.2	2.4
0904	1.8	200	19.40	3.71	7.19	24.1	1.41	130	13.1	0.2	2.4
0908	2.6	200	19.40	3.71	7.18	24.1	1.32	128	8.3	0.2	2.4
0912	3.4	200	19.40	3.71	7.18	24.1	1.29	127	8.0	0.2	2.4
0916	4.1	200	19.40	3.71	7.18	24.1	1.25	127	7.3	0.2	2.4
0920	4.8	200	19.40	3.71	7.18	24.1	1.23	127	6.9	0.2	2.4
0925	Commenced	Sampling									
0927			19.40								

Comments: Screen not fully submerged so pump intake minus static water level x 25%

Maximum permissable drawdown = 0.65 ft BTOC, water level not to draw down below 20.05 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-26	Screened Interval (ft)	10' - 35' BTOC	Well Diameter (in):	4"
Date:	6/4/09	Pump Intake Depth (ft)	23' BTOC	Static Water Level (ft):	17.61' BTOC
Sample ID	MW-26	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	35.15' BTOC
Time:	1240	PID Reading at TOC:	N/A	Water Column Length:	17.54
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/4/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1208	Pump	Start									
1211	250 ml	250	17.65	3.85	7.24	25.6	3.23	139	75.5	0.2	2.5
1215	1.3	250	17.65	3.83	7.22	25.3	2.77	137	73.8	0.2	2.5
1219	2.3	250	17.65	3.84	7.21	25.1	2.44	136	61.4	0.2	2.5
1223	3.3	250	17.65	3.83	7.20	25.1	2.38	134	59.9	0.2	2.5
1227	4.3	250	17.65	3.81	7.19	25.0	2.29	134	56.2	0.2	2.5
1231	5.3	250	17.65	3.80	7.19	25.2	2.25	134	52.6	0.2	2.5
1235	6.3	250	17.65	3.79	7.20	25.4	2.24	133	49.3	0.2	2.5
1240	Commenced	Sampling									
1242			17.65								

Comments: Screen not fully submerged so pump intake minus static water level x 25%

Maximum permissable drawdown = 1.35 ft BTOC, water level not to draw down below 18.96 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-27	Screened Interval (ft)	10'-35' BTOC	Well Diameter (in):	4"
Date:	6/4/09	Pump Intake Depth (ft)	23' BTOC	Static Water Level (ft):	18.58' BTOC
Sample ID	MW-27	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	35.10' BTOC
Time:	1150	PID Reading at TOC:	N/A	Water Column Length:	16.52
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/4/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1115	Pump	Start									
1120	200 ml	200	18.58	3.93	7.17	24.7	1.61	140	45.5	0.2	2.5
1124	1.0	200	18.58	3.87	7.16	24.1	0.81	136	34.3	0.2	2.5
1128	1.8	200	18.58	3.86	7.15	24.2	0.66	133	5.1	0.2	2.5
1132	2.6	200	18.58	3.84	7.15	24.3	0.57	131	0.0	0.2	2.5
1136	3.4	200	18.58	3.85	7.15	24.0	0.55	129	0.0	0.2	2.5
1140	4.2	200	18.58	3.85	7.15	24.1	0.54	128	0.0	0.2	2.5
1144	5.0	200	18.58	3.85	7.14	24.1	0.54	128	0.0	0.2	2.5
1148	5.9	200	18.58	3.85	7.14	24.1	0.53	128	0.0	0.2	2.5
1150	Commenced	Sampling									
1152			18.58								

Comments: Screen not fully submerged so pump intake minus static water level X 25%

Maximum permissable drawdown = 1.1 ft BTOC, water level not to draw down below 19.68 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-28	Screened Interval (ft)	15'-35' BTOC	Well Diameter (in):	4"
Date:	6/4/09	Pump Intake Depth (ft)	25' BTOC	Static Water Level (ft):	13.94' BTOC
Sample ID	MW-28	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	34.24' BTOC
Time:	1010	PID Reading at TOC:	N/A	Water Column Length:	20.30
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/4/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0940	Pump	Start									
0943	160 ml	160	13.93	4.23	7.27	24.8	1.65	139	106	0.2	2.7
0947	800 ml	160	13.93	4.22	7.19	24.0	0.10	134	138	0.2	2.7
0951	1.5	160	13.93	4.17	7.18	23.8	0.00	129	89.3	0.2	2.7
0955	2.2	160	13.93	4.18	7.19	23.7	0.00	126	89.8	0.2	2.7
0959	2.9	160	13.93	4.17	7.18	23.6	0.00	122	74.5	0.2	2.7
1003	3.7	160	13.93	4.18	7.17	23.4	0.00	120	68.1	0.2	2.7
1007	4.4	160	13.93	4.17	7.18	23.5	0.00	119	63.8	0.2	2.7
1010	Commenced	Sampling									
1012			13.93								

Comments: Screen is fully submerged so pump intake minus top of screen x 25%

Maximum permissable drawdown = 2.5 ft BTOC, water level not to draw down below 16.44 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-29	Screened Interval (ft)	15'-35' BTOC	Well Diameter (in):	4"
Date:	6/4/09	Pump Intake Depth (ft)	25' BTOC	Static Water Level (ft):	14.00' BTOC
Sample ID	MW-29	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	34.45' BTOC
Time:	1100	PID Reading at TOC:	N/A	Water Column Length:	20.45
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/4/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1030	Pump	Start									
1033	160 ml	160	14.00	4.11	7.30	21.5	4.67	135	298	0.2	2.6
1037	800 ml	160	14.00	4.04	7.26	20.7	3.66	134	267	0.2	2.6
1041	1.5	160	14.00	4.04	7.25	20.6	3.48	133	265	0.2	2.6
1045	2.3	160	14.00	4.03	7.24	20.4	3.35	133	251	0.2	2.6
1049	3.2	160	14.00	4.04	7.24	20.6	3.30	133	236	0.2	2.6
1053	4.0	160	14.00	4.04	7.23	20.5	3.26	133	219	0.2	2.6
1057	4.8	160	14.00	4.04	7.23	20.5	3.27	133	212	0.2	2.6

Comments: Screen is fully submerged so pump intake minus top of screen X 25%

Maximum permissable drawdown = 2.5 ft BTOC, water level not to draw down below 16.50 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-30	Screened Interval (ft)	20'-40' BTOC	Well Diameter (in):	4"
Date:	6/5/09	Pump Intake Depth (ft)	30' BTOC	Static Water Level (ft):	20.02' BTOC
Sample ID	MW-30	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	39.50' BTOC
Time:	0930	PID Reading at TOC:	N/A	Water Column Length:	19.48
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	511166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/5/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0856	Pump	Start									
0900	150 ml	150	20.02	3.63	7.15	22.7	3.83	154	54.9	0.2	2.3
0904	800 ml	150	20.02	3.67	7.10	21.7	1.94	150	59.7	0.2	2.3
0908	1.4	150	20.02	3.66	7.08	21.7	1.55	147	56.2	0.2	2.3
0912	2.0	150	20.02	3.66	7.08	21.5	1.30	144	39.8	0.2	2.3
0916	2.6	150	20.02	3.66	7.08	21.4	1.23	143	37.7	0.2	2.3
0920	3.1	150	20.02	3.65	7.09	21.5	1.20	142	36.6	0.2	2.3
0924	3.7	150	20.02	3.65	7.09	21.4	1.18	141	34.1	0.2	2.3
0928	4.3	150	20.02	3.65	7.09	21.4	1.16	141	34.3	0.2	2.3
0930	Commenced	Sampling									
0932			20.02								

Comments: Screen not fully submerged so pump intake minus static water level X 25%

Maximum permissable drawdown = 2.50 ft BTOC, water level not to draw down below 22.52 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-31	Screened Interval (ft)	14'-34' BTOC	Well Diameter (in):	4"
Date:	6/5/09	Pump Intake Depth (ft)	24' BTOC	Static Water Level (ft):	17.20' BTOC
Sample ID	MW-31	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	33.15' BTOC
Time:	0830	PID Reading at TOC:	N/A	Water Column Length:	15.95
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	511666	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/5/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0800	Pump	Start									
0803	200 ml	200	17.20	4.35	7.11	21.5	5.82	140	88.6	0.2	2.8
0807	1.0	200	17.20	4.33	7.03	21.2	4.94	137	79.5	0.2	2.8
0811	1.8	200	17.20	4.33	7.02	21.2	4.78	137	77.4	0.2	2.8
0815	2.6	200	17.20	4.32	7.01	21.1	4.69	137	81.9	0.2	2.8
0819	3.4	200	17.20	4.33	7.01	21.1	4.59	137	79.4	0.2	2.8
0823	4.2	200	17.20	4.33	7.01	21.1	4.53	137	74.3	0.2	2.8
0827	5.0	200	17.20	4.32	7.01	21.1	4.57	137	77.9	0.2	2.8
0830	Commenced	Sampling									
0832			17.20								

Comments: Screen not fully submerged so pump intake minus static water level x 25%

Maximum permissable drawdown = 1.7 ft BTOC, water level not to draw down below 18.90 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-32	Screened Interval (ft)	15'-35' BTOC	Well Diameter (in):	4"
Date:	6/5/09	Pump Intake Depth (ft)	25' BTOC	Static Water Level (ft):	19.21' BTOC
Sample ID	MW-32	Purging/ Sample Device:	Portable Pump	Total Well depth (ft):	33.55' BTOC
Time:	0740	PID Reading at TOC:	N/A	Water Column Length:	14.34
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/5/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0710	Pump	Start									
0714	200 ml	200	19.21	3.62	7.19	23.0	3.38	140	28.8	0.2	2.3
0718	1.0	200	19.21	3.66	7.15	23.1	2.90	135	31.0	0.2	2.3
0722	1.8	200	19.21	3.68	7.14	23.2	2.71	129	33.4	0.2	2.4
0726	2.6	200	19.21	3.69	7.14	23.2	2.68	125	35.8	0.2	2.4
0730	3.4	200	19.21	3.69	7.14	23.4	2.67	123	36.9	0.2	2.4
0734	4.2	200	19.21	3.69	7.14	23.4	2.68	121	34.8	0.2	2.4
0738	5.0	200	19.21	3.69	7.14	23.4	2.68	120	32.7	0.2	2.4
0740	Commenced	Sampling									
0742			19.21								

Comments: Screen not fully submerged so pump intake minus static water level x 25%

Maximum permissable drawdown = 1.45 ft BTOC, water level not to draw down below 20.66 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-33	Screened Interval (ft)	15' - 35' BTOC	Well Diameter (in):	4"
Date:	6/5/09	Pump Intake Depth (ft)	25' BTOC	Static Water Level (ft):	17.33' BTOC
Sample ID	MW-33	Purging/ Sample Device:	Portable pump	Total Well depth (ft):	33.35' BTOC
Time:	0655	PID Reading at TOC:	N/A	Water Column Length:	16.02
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	Andrew Kirk Dave Ortega
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Method 8260	Water Quality Meter Serial #:	T008015	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	6/5/09 0605		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (°C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0625	Pump	Start									
0629	200 ml	200	17.33	3.95	6.69	21.5	1.39	167	0.0	0.2	2.5
0633	1.0	200	17.33	3.95	6.93	21.5	0.00	153	0.0	0.2	2.5
0637	1.8	200	17.33	3.95	6.96	21.5	0.00	147	0.0	0.2	2.5
0641	2.7	200	17.33	3.95	6.97	21.5	0.00	142	0.0	0.2	2.5
0645	3.5	200	17.33	3.95	6.97	21.5	0.00	140	0.0	0.2	2.5
0649	4.3	200	17.33	3.95	6.97	21.4	0.00	136	0.0	0.2	2.5
0653	5.1	200	17.33	3.95	6.97	21.4	0.00	138	0.0	0.2	2.5
0655	Commenced	Sampling									
0657			17.33								

Comments: Screen not fully submerged so pump intake minus static water level x 25%

Maximum permissable drawdown = 1.92 ft BTOC, water level not to draw down below 19.25 ft BTOC

Optimal drawdown for low-flow micropurge sampling is less than 0.3 ft at a flow rate of 0.1 to 1.0 L/min.

If drawdown exceeds 0.3 ft at a flow rate of 0.1 L/min....then attempt to achieve drawdown less than or equal to 25% of the available screen interval at flow rate equal to 0.1 to 1.0 L/min.

This is performed by subtracting pump intake and top of screen for fully submerged screens then multiplying by 25%, or subtracting the distance between pump intake and static water level and multiplying by 25% for water table wells with partly submerged screens.

Appendix D

Mann-Kendall Trend Test Sheets

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)

Site Name:	*Maryland Square Shopping Center*
Site Address:	*Las Vegas, NV*
Additional Description:	*PCE Site*

Well (Sampling) Location?	**MS**
Level of Confidence (Decision Criteria)?	**90%**

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

		Hazardous Substances (unit is ug/L)					
Sampling Event	Date Sampled	MW-1	MW-2	MW-5	MW-6	MW-21	MW-30
#1	May-05	3500	2050	146	2090	30	
#2	Sep-05	1700			890	19	
#3	Dec-05	820	2900	93	530	16	
#4	Mar-06	420				43	
#5	Jun-06		1600	220	1100	32	
#6	Oct-06	1100	1900	67	1300	23	
#7	Dec-06	1300	1300	130	810	39	
#8	Apr-07						
#9	Jun-07	450	1400	550	1300	28	
#10	Sep-07						
#11	Dec-07	710	1000	170	1500	83	74
#12	Mar-08						86
#13	Jun-08	260	900	400	1900		49
#14	Nov-08	460	960	340	2000	20	100
#15	Feb-09						71
#16	Jun-09	590	880	700	2800		110

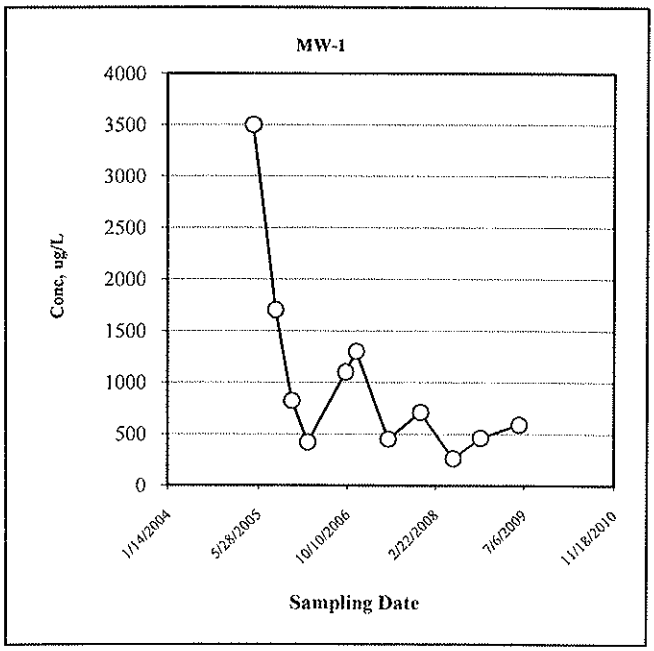
2. Mann-Kendall Non-parametric Statistical Test Results

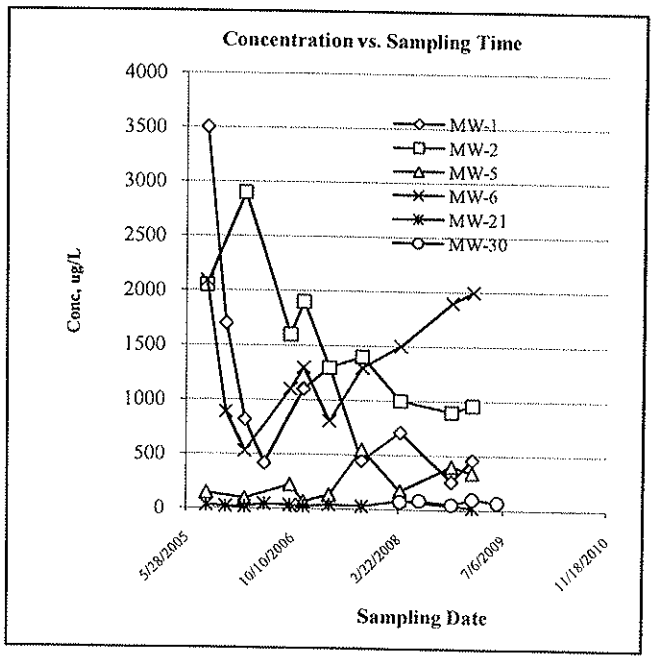
Hazardous Substance?	**MW-1**	**MW-2**	**MW-5**	**MW-6**	**MW-21**	**MW-30**
Confidence Level Calculated?	97.00%	100.00%	97.70%	98.00%	70.00%	76.50%
Plume Stability?	Shrinking	Shrinking	***Expanding***	***Expanding***	Stable	Stable
Coefficient of Variation?					CV <= 1	CV <= 1
Mann-Kendall Statistic "S" value?	-25	-37	23	28	7	5
Number of Sampling Rounds?	11	10	10	11	10	6
Average Concentration?	1028.18	1489.00	281.60	1474.55	33.30	81.67
Standard Deviation?	927.04	646.98	211.81	668.59	19.51	21.90
Coefficient of Variation?	0.90	0.43	0.75	0.45	0.59	0.27
Blank if No Errors found						

3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance? **MW-1**

Plume Stability? **Shrinking**





Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)

Site Name: *Maryland Square Shopping Center*
Site Address: *Las Vegas, NV*
Additional Description: *PCE Site*

Well (Sampling) Location? **MS**
Level of Confidence (Decision Criteria)? **90%**

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

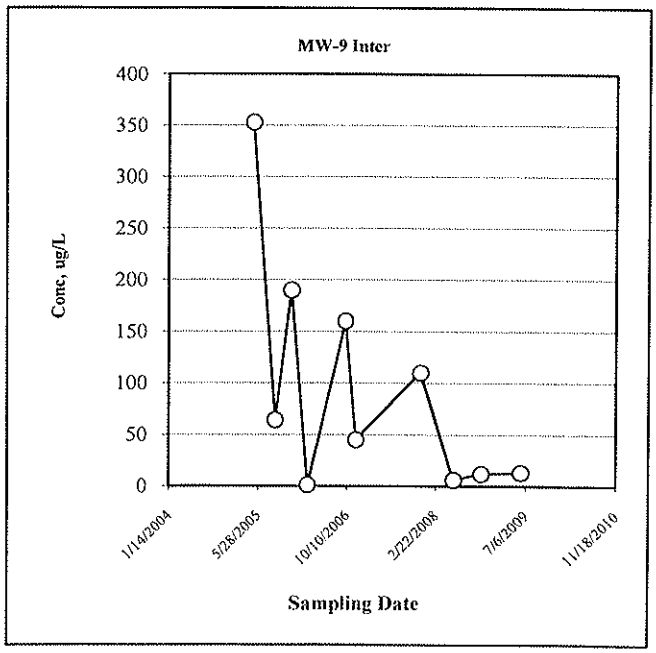
		Hazardous Substances (unit is ug/L)					
Sampling Event	Date Sampled	MW-13	MW-14	MW-17	MW-18	MW-19	MW-9 Inter
#1	May-05	5310	2920	520	1600	870	353
#2	Sep-05	2600			1700		64
#3	Dec-05	3400	3400	470	2400	1300	190
#4	Mar-06	3700	2500		1700		1
#5	Jun-06	2900	1800		1600	910	
#6	Oct-06	2800	1900	1300	2100	840	160
#7	Dec-06	3200	3500	710	1400	1200	45
#8	Apr-07	2500	1900	440	1400	890	
#9	Jun-07	3700	1700	300	1300	870	
#10	Sep-07	2000					
#11	Dec-07	2500	1500	480	1400	990	110
#12	Mar-08				1800	1200	
#13	Jun-08	2300	1500	360	1200	930	6
#14	Nov-08	2600	1500	290	950	1300	12
#15	Feb-09				1500		
#16	Jun-09	2200	1900	270	3500	1400	13

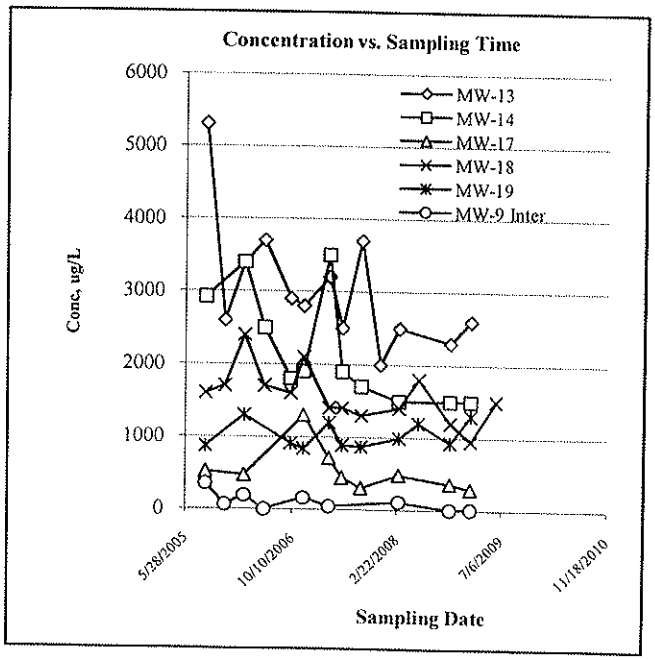
2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	MW-13	MW-14	MW-17	MW-18	MW-19	MW-9 Inter
Confidence Level Calculated?	99.30%	99.00%	99.50%	88.00%	94.20%	94.60%
Plume Stability?	Shrinking	Shrinking	Shrinking	Stable	***Expanding***	Shrinking
Coefficient of Variation?				CV <= 1		
Mann-Kendall Statistic "S" value?	-46	-34	-29	-26	25	-19
Number of Sampling Rounds?	14	12	10	15	12	10
Average Concentration?	2979.29	2168.33	514.00	1703.33	1058.33	95.40
Standard Deviation?	855.30	730.90	306.24	609.59	205.33	112.48
Coefficient of Variation?	0.29	0.34	0.60	0.36	0.19	1.18
Blank if No Errors found						

3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance? **MW-9 Inter**
Plume Stability? **Shrinking**





Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)

Site Name:	*Maryland Square Shopping Center*
Site Address:	*Las Vegas, NV*
Additional Description:	*PCE Site*

Well (Sampling) Location?	**MS**
Level of Confidence (Decision Criteria)?	**90%**

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

		Hazardous Substances (unit is ug/L)					
Sampling Event	Date Sampled	MW-20	MW-23	MW-25	MW-26	MW-27	MW-21
#1	Jan-04	290					
#2	May-05	1460	1430	993			30
#3	Sep-05			920			19
#4	Dec-05	1800	1900	1000			16
#5	Mar-06			970	730	220	43
#6	Jun-06	2100	1500	960	770	350	32
#7	Oct-06	2000	2000	1300	1100	380	23
#8	Dec-06	2500	2100	1200		380	39
#9	Mar-07	1500	2100	670	790	160	
#10	Jun-07	1300	1300	960	960	340	28
#11	Dec-07	1400	1200	780	910	430	83
#12	Mar-08	1600	1400	890	1100	580	
#13	Jun-08	1200	1100	630	930	320	
#14	Nov-08	1000	1300	730	900	510	20
#15	Feb-09	830	1100	770	960	510	
#16	Jun-09	1100	1400	880	970	570	

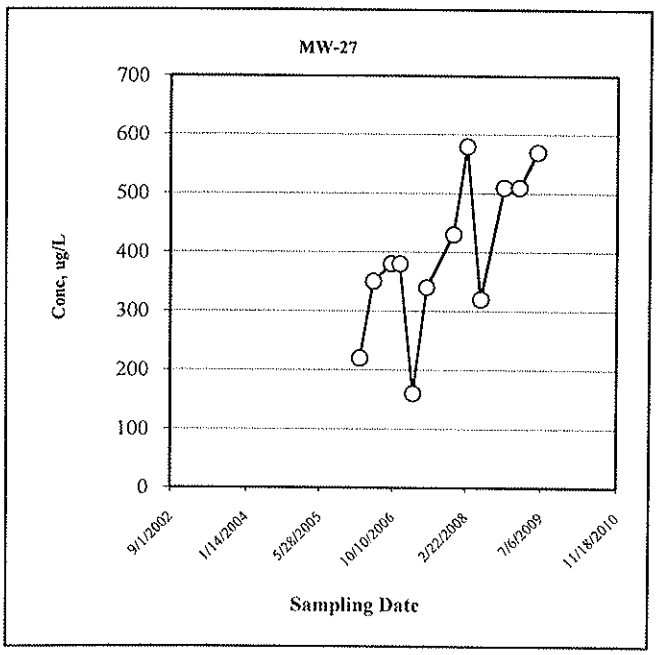
2. Mann-Kendall Non-parametric Statistical Test Results

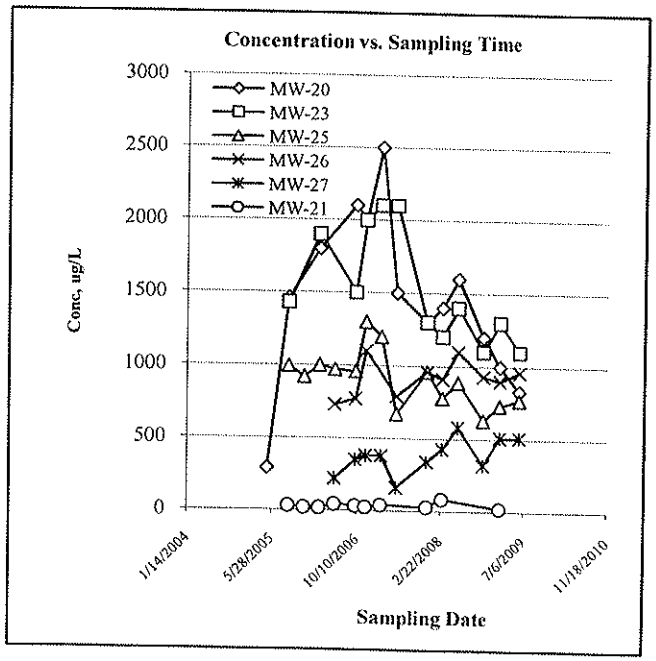
Hazardous Substance?	MW-20	MW-23	MW-25	MW-26	MW-27	MW-21
Confidence Level Calculated?	95.00%	96.20%	98.60%	94.00%	98.40%	70.00%
Plume Stability?	Shrinking	Shrinking	Shrinking	***Expanding***	***Expanding***	Stable
Coefficient of Variation?						CV <= 1
Mann-Kendall Statistic "S" value?	-31	-30	-46	21	32	7
Number of Sampling Rounds?	14	13	15	11	12	10
Average Concentration?	1434.29	1525.38	910.20	920.00	395.83	33.30
Standard Deviation?	562.56	369.29	182.46	121.08	131.25	19.51
Coefficient of Variation?	0.39	0.24	0.20	0.13	0.33	0.59
Blank if No Errors found						

3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance? **MW-27**

Plume Stability? **Expanding**





Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)

Site Name: *Maryland Square Shopping Center*
Site Address: *Las Vegas, NV*
Additional Description: *PCE Site*

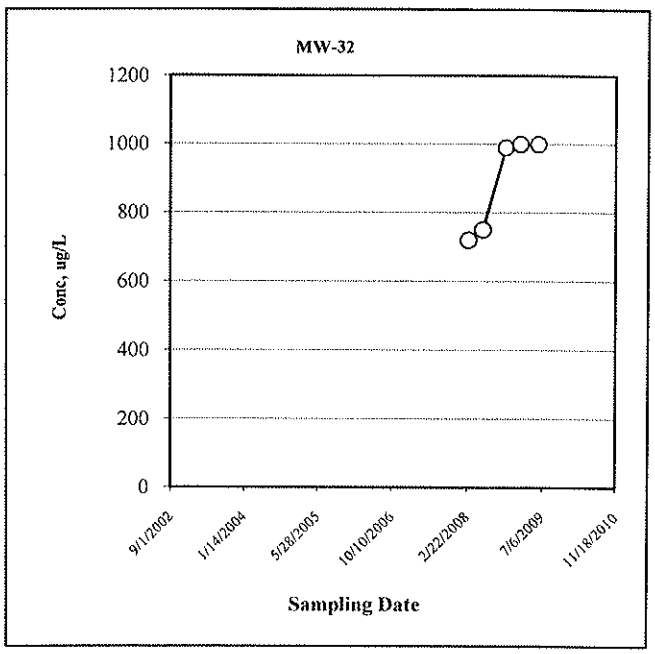
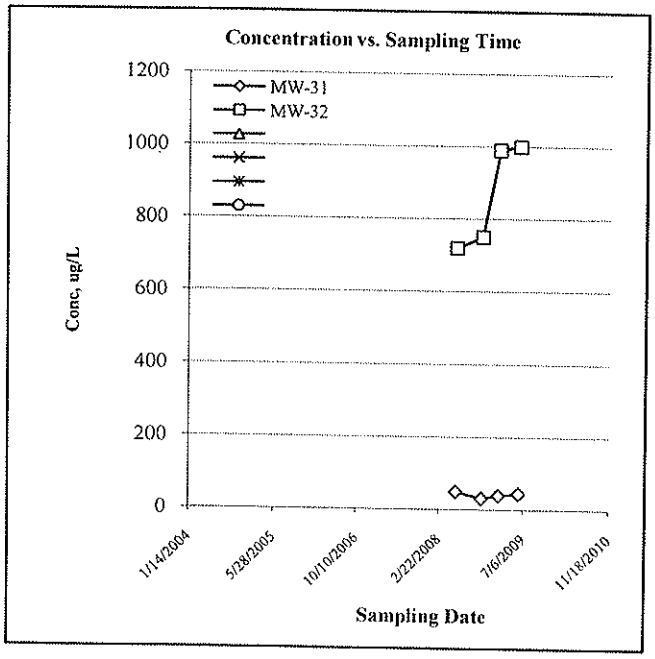
Well (Sampling) Location? **MS**
Level of Confidence (Decision Criteria)? **90%**

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

		Hazardous Substances (unit is ug/L)					
Sampling Event	Date Sampled	MW-31	MW-32				
#1	Jan-04						
#2	May-05						
#3	Sep-05						
#4	Dec-05						
#5	Mar-06						
#6	Jun-06						
#7	Oct-06						
#8	Dec-06						
#9	Mar-07						
#10	Jun-07						
#11	Dec-07						
#12	Mar-08	49	720				
#13	Jun-08	31	750				
#14	Nov-08	39	990				
#15	Feb-09	44	1000				
#16	Jun-09	45	1000				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	**MW-31**	**MW-32**				
Confidence Level Calculated?	59.20%	95.80%	NA	NA	NA	NA
Plume Stability?	Stable	***Expanding***	NA	NA	NA	NA
Coefficient of Variation?	CV <= 1		n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	2	9	0	0	0	0
Number of Sampling Rounds?	5	5	0	0	0	0
Average Concentration?	41.60	892.00	NA	NA	NA	NA
Standard Deviation?	6.91	143.77	NA	NA	NA	NA
Coefficient of Variation?	0.17	0.16	NA	NA	NA	NA
Blank if No Errors found			n<4	n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance? **MW-32**
Plume Stability? **Expanding**