October 9, 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 – 3rd 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, eleven 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-19, 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-19, 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.

Regarding our plan for well MW-4, it was dry during the past two monitoring events. This well is located at the southwest corner of the parking garage on the Boulevard Mall and concentrations have ranged between 14 and 220 ppb. Other monitoring wells in the area of MW-4 include MW-3 and MW-10. Monitoring well MW-3 is located downgradient of MW-4 and well MW-10 is located crossgradient of MW-4. Concentrations in MW-3 have ranged from below detection limits to a maximum of 98 ppb in October 2000. Concentrations in MW-10 have ranged from below detection limits to a maximum of 15 ppb in September 2003. We feel that the PCE concentrations in MW-3 and MW-10 are representative of the area immediately downgradient and crossgradient of MW-4, therefore we do not feel the well needs to be replaced at this time.

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% of 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 September 15, 2009. Eleven monitoring wells were sampled on September 17 and 18, 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 13.24 feet below ground surface (bgs) in MW-18 to 27.86 feet bgs in MW-16. A *Groundwater Contour Map* is presented as Plate No 1.

Table 1 – Groundwater Elevations, September 2009

Well ID	Top of Casing Elevation (feet MSL)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-1	1992.01	19.90	1972.11
MW-2	1983.97	18.95	1965.02
MW-3	1984.41	20.16	1964.25
MW-4	1989.86	Dry	Dry
MW-5	1989.15	19.14	1970.01
MW-6	1989.03	20.27	1968.76
MW-7	1990.22	18.13	1972.09
MW-8	1994.22	20.41	1973.81
MW-9	1992.25	20.20	1972.05
MW-10	1983.78	21.46	1962.32
MW-11	1980.21	NM	NM
MW-12	1996.48	16.29	1980.19
MW-13	1984.18	18.63	1965.55
MW-14	1987.86	18.88	1968.98
MW-15	1983.25	16.34	1966.91
MW-16	1980.61	27.86	1952.75
MW-17	1990.89	19.58	1971.31
MW-18	1962.86	13.24	1949.62
MW-19	1980.24	27.34	1952.90
MW-20	1979.95	27.21	1952.74
MW-21	1979.54	26.39	1953.15

Well ID	Top of Casing Elevation (feet MSL)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-22	1974.75	27.58	1947.17
MW-23	1962.29	17.30	1944.99
MW-24	1960.73	14.93	1945.80
MW-25	1960.73	18.60	1942.13
MW-26	1953.48	18.79	1934.69
MW-27	1944.23	19.73	1924.50
MW-28	1942.96	13.91	1929.05
MW-29	1932.25	14.38	1917.87
MW-30	1940.56	21.57	1918.99
MW-31	1937.93	19.08	1918.85
MW-32	1952.82	20.47	1932.35
MW-33	1950.92	18.93	1931.99

NM= Not Measured

Sampling Results

PCE was present in each of the eleven wells sampled ranging from 3.3 ppb to 1,200 ppb. Trichloroethene (TCE) was present in one of the eleven wells sampled at a concentration of 1.1 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, September 2009

Sample ID	PCE (µg/L)	TCE (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Vinyl Chloride (µg/L)
MW-1	NS	NS	NS	NS
MW-2	NS	NS	NS	NS
MW-3	NS	NS	NS	NS
MW-4	NS	NS	NS	NS

Sample ID	PCE (µg/L)	TCE (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Vinyl Chloride (µg/L)
MW-5	NS	NS	NS	NS
MW-6	NS	NS	NS	NS
MW-7	NS	NS	NS	NS
MW-8	NS	NS	NS	NS
MW-9	NS	NS	NS	NS
MW-10	NS	NS	NS	NS
MW-11	NS	NS	NS	NS
MW-12	NS	NS	NS	NS
MW-13	NS	NS	NS	NS
MW-14	NS	NS	NS	NS
MW-15	NS	NS	NS	NS
MW-16	NS	NS	NS	NS
MW-17	NS	NS	NS	NS
MW-18	1,200	NS	ND	ND
MW-19	880	ND	ND	ND
MW-20	940	ND	ND	ND
MW-21	NS	NS	NS	NS
MW-22	NS	NS	NS	NS
MW-23	1,200	ND	ND	ND
MW-24	NS	NS	NS	NS
MW-25	770	ND	ND	ND
MW-26	910	ND	ND	ND
MW-27	640	ND	ND	ND
MW-28	NS	NS	NS	NS
MW-29	NS	NS	NS	NS
MW-30	70	1.1	ND	ND
MW-31	38	ND	ND	ND
MW-32	1,000	ND	ND	ND
MW-33	3.3	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).

In the NDEP letter, dated July 31, 2009, it was noted that several readings during Converse and URS's monitoring for turbidity and DO showed zero values. In discussions with Converse field personnel, it was confirmed that Converse's values are correct.

Table 3 – Water Quality Parameters, September 2009

Well ID	pH [SU]	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L]	Temperature (°C)	TDS (g/L)	ORP (mV)
MW-1	NM	NM	NM	NM	NM	NM	NM
MW-2	NM	NM	NM	NM	NM	NM	NM
MW-3	NM	NM	NM	NM	NM	NM	NM
MW-4	NM	NM	NM	NM	NM	NM	NM
MW-5	NM	NM	NM	NM	NM	NM	NM
MW-6	NM	NM	NM	NM	NM	NM	NM
MW-7	NM	NM	NM	NM	NM	NM	NM
MW-8	NM	NM	NM	NM	NM	NM	NM
MW-9	NM	NM	NM	NM	NM	NM	NM
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	NM	NM	NM	NM	NM	NM	NM
MW-14	NM	NM	NM	NM	NM	NM	NM
MW-15	NM	NM	NM	NM	NM	NM	NM
MW-16	NM	NM	NM	NM	NM	NM	NM
MW-17	NM	NM	NM	NM	NM	NM	NM
MW-18	6.63	3.91	18.9	4.29	28.0	2.5	136
MW-19	6.39	3.90	999	4.65	26.6	2.5	157
MW-20	6.54	4.05	386	2.49	25.7	2.6	146
MW-21	NM	NM	NM	NM	NM	NM	NM
MW-22	NM	NM	NM	NM	NM	NM	NM

Well ID	pH [SU]	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L]	Temperature (°C)	TDS (g/L)	ORP (mV)
MW-23	6.57	3.98	24.5	2.03	25.4	2.5	133
MW-24	NM	NM	NM	NM	NM	NM	NM
MW-25	6.52	4.15	14.2	2.48	25.9	2.7	136
MW-26	6.59	4.34	10.5	2.79	26.4	2.8	137
MW-27	6.56	4.27	-6.7	0.91	24.2	2.7	131
MW-28	NM	NM	NM	NM	NM	NM	NM
MW-29	NM	NM	NM	NM	NM	NM	NM
MW-30	6.57	4.16	0.8	1.97	23.4	2.7	127
MW-31	6.59	4.76	45.2	4.93	23.6	3.0	124
MW-32	6.51	4.16	4.1	1.15	25.3	2.7	157
MW-33	6.63	4.20	2.2	1.18	23.5	2.7	166

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 MW-18 to 27.86 feet bgs in MW-16. The average groundwater depth for the monitoring wells is 19.86 feet bgs. Groundwater gradient is toward the east.

2. PCE was present in each of the eleven wells sampled ranging from 3.3 ppb to 1,200 ppb. During the previous quarter, the highest concentrations appeared in the area beneath the western portion of the residential neighborhood. During this quarter, those concentrations reduced to previous historical levels. The current highest concentrations are exhibited in the area of the west parking structure on the Boulevard Mall.

3. TCE was present in one of the eleven wells sampled at a concentration of 1.1 ppb.

4. The Mann-Kendall test for trend was completed by Converse for wells in which PCE has generally been detected (Appendix D) since low-flow sampling has been implemented (with the exception of September 2007). The Mann-Kendall Trent Test is a nonparametric statistical test that is used to evaluate whether there are statistically significant trends in a data set, at a specified level of confidence. The results of the test, at a 90% confidence level, indicate that the plume is decreasing over time in the areas of MW-2, MW-13, MW-14, MW-17, MW-18, MW-20, MW-23, and MW-25. The results of the test, at a 90% confidence level, indicate that the plume is increasing over time in the areas of MW-5, MW-6, MW-27, and MW-32. The remainder of the wells did not show statistically significant trends in concentration (i.e. concentrations deemed stable in these wells).

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 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: 10/30/09

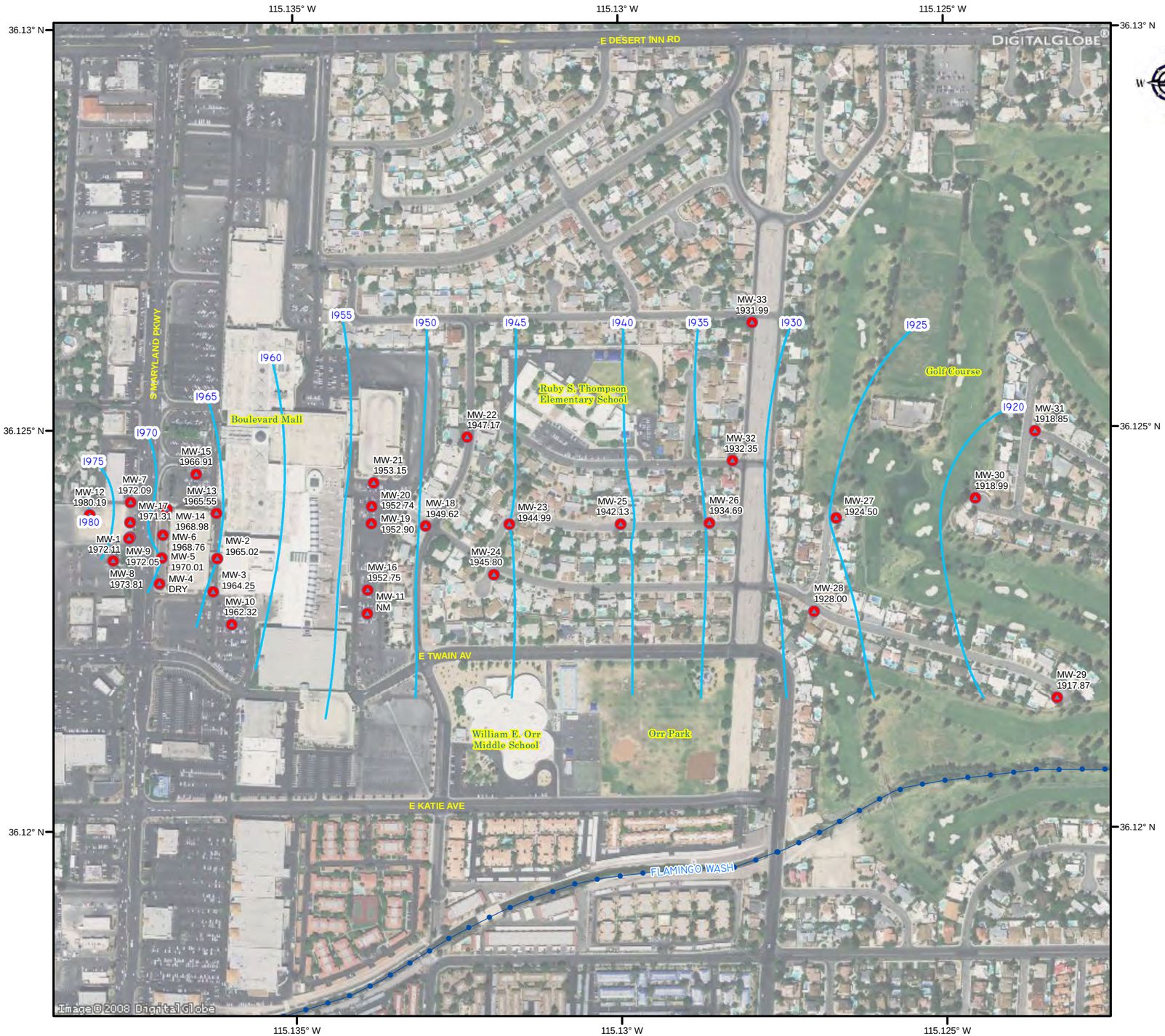
Reviewed and approved by,

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



1 inch = 500 feet

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

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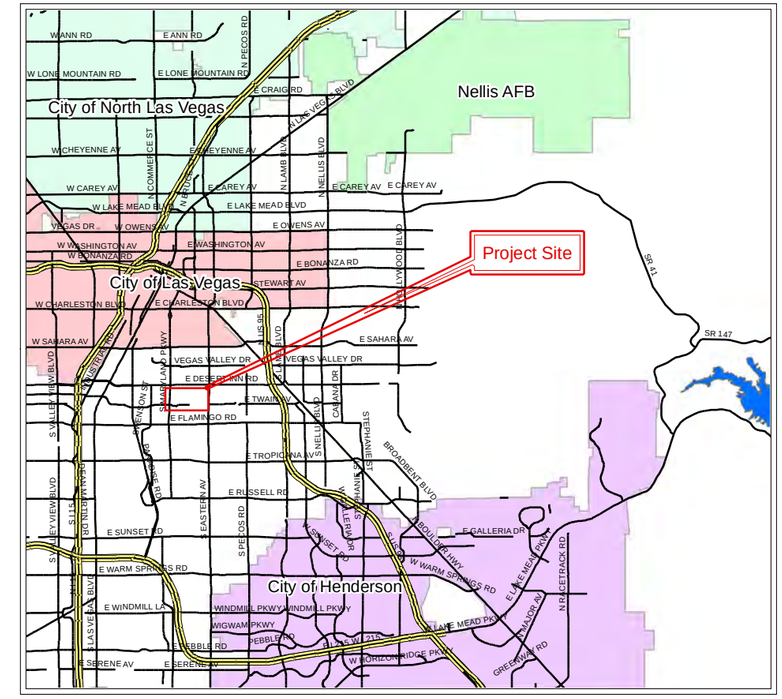
Converse Consultants

Over 60 Years of Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services



1 inch = 4 miles

Legend

Monitoring Well Locations

Groundwater Contours

SITE MAP
Groundwater Contour 3rd Quarter 2009
MARYLAND SQUARE SHOPPING CENTER
3661 South Maryland Parkway
Las Vegas, Nevada

Plate 1

Date Created: 10/05/09 Project No: 00-43367-09

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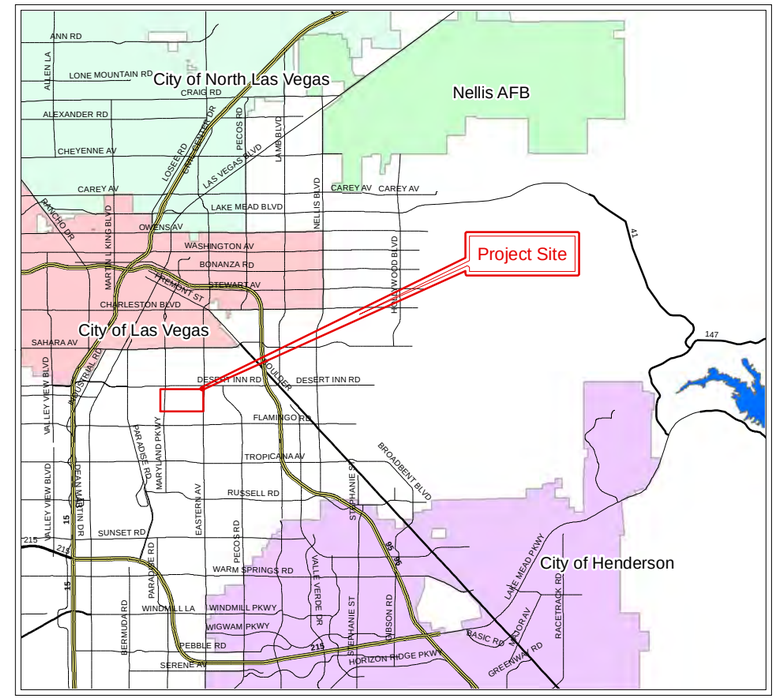
Over 60 Years of Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

1 inch = 500 feet

0 250 500 1,000 1,500 2,000 Feet

Maryland_PCE3Q2009.mxd



Note:
NS = Not Sampled
ND = Not Detected

Legend

- Monitoring Well Sampled 2nd Quarter 2009
- Monitoring Well Sampled 3rd Quarter 2009
- Monitoring Well Sampled 4th Quarter 2008

PCE Contours (ppb)

- 500
- 1000
- 1500
- 2000
- 2500

SITE MAP
PCE Contour 3rd Quarter 2009

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

Plate 2

Date Created: 10/06/09 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
		Sept 09	19.90	1972.11
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

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	17.94	1966.03
		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
		Sept 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
		Sept 09	20.16	1964.25
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

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 06	NM	NM
		June 06	18.36	1971.49
		Oct 06	18.34	1971.51
		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
		Sept 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
		Sept 09	19.14	1970.01
MW-6	1988.72	Oct 00	17.41	1971.31

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)
	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
		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
		Sept 09	20.27	1968.76
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

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	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
		Sept 09	18.13	1972.09
MW-8	1994.25	Sept 02	18.55	1975.70
		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
		Sept 09	20.41	1973.81
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

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 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
		Sept 09	20.20	1972.05
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
		Sept 09	21.46	1962.32
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

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 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
		Sept 09	NM	NM
MW-12	1996.59	Sept 02	14.90	1981.69
		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
		Sept 09	16.29	1980.19
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

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 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
		Feb 09	18.28	1965.90
		June 09	18.41	1965.77
		Sept 09	18.63	1965.55
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
		Sept 09	18.88	1968.98
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

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 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
		Sept 09	16.34	1966.91
MW-16	1980.63	Jan 04	26.22	1954.41
		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
		Sept 09	27.86	1952.75
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

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	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
		Sept 09	19.58	1971.31
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
		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
		Sept 09	13.24	1949.62
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

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 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
		Sept 09	27.34	1952.90
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
		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
		Sept 09	27.21	1952.74
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

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	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
		Sept 09	26.39	1953.15
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
		June 08	NM	NM
	1974.75	Oct 08	NM	NM
		Feb 09	25.60	1949.15
		June 09	26.59	1948.16
		Sept 09	27.58	1947.17
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

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
	1962.29	Oct 08	16.34	1945.95
		Feb 09	15.41	1946.88
		June 09	16.40	1945.89
		Sept 09	17.30	1944.99
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
		Sept 09	14.93	1945.80
MW-25	1960.74	May 05	16.01	1944.73
		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

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	18.07	1942.66
		June 09	19.35	1941.38
		Sept 09	18.60	1942.13
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
		Sept 09	18.79	1934.69
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
		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
		Sept 09	19.73	1924.50
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

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	11.66	1931.30
		June 09	13.91	1929.05
		Sept 09	14.96	1928.00
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
		Sept 09	14.38	1917.87
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
		Sept 09	21.57	1918.99
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
		Sept 09	19.08	1918.85
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
		Sept 09	20.47	1932.35
MW-33	1950.92	Mar 08	16.02	1934.90
		June 08	NM	NM
		Oct 08	18.00	1932.92

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	16.11	1934.81
		June 09	17.28	1933.64
		Sept 09	18.93	1931.99

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
	Sept 09	NS	NS	NS	NS
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

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	880	3.2	1.1	ND
	Sept 09	NS	NS	NS	NS
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
	Sept 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

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 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
	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
	Sept 09	NS	NS	NS	NS
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

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 09	NS	NS	NS	NS
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
	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
	Sept 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
	Sept 09	NS	NS	NS	NS
MW-9	Sept 02	670	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 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
	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
	Sept 09	NS	NS	NS	NS
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
	Sept 09	NS	NS	NS	NS
MW-11	Sept 02	ND	ND	ND	ND
	May 03	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 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
	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
	Sept 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
	Sept 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

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	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
	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
	Sept 09	NS	NS	NS	NS
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
	Sept 09	NS	NS	NS	NS
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

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 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
	Sept 09	NS	NS	NS	NS
MW-16	Nov 03	ND	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	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
	Sept 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

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	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
	Sept 09	NS	NS	NS	NS
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
	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
	Sept 09	1,200	ND	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

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)
	Feb 09	NS	NS	NS	NS
	June 09	1,400	6.1	ND	ND
	Sept 09	880	ND	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
	June 09	1,100	3.3	ND	ND
	Sept 09	940	ND	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
	Sept 09	NS	NS	NS	NS
MW-22	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	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
	Sept 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
	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
	Sept 09	1,200	ND	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

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)
	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
	Sept 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
	Sept 09	770	ND	ND	ND
MW-26	Mar 06	730	ND	ND	ND
	June 06	770	ND	ND	ND
	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
	Sept 09	910	ND	ND	ND
MW-27	Mar 06	220	ND	ND	ND
	June 06	350	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	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
	Sept 09	640	ND	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
	Sept 09	NS	NS	NS	NS
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
	Sept 09	NS	NS	NS	NS
MW-30	Nov 07	74	ND	ND	ND
	Mar 08	86	ND	ND	ND
	June 08	49	ND	ND	ND
	Oct 08	100	1.8	ND	ND
	Feb 09	71	ND	ND	ND
	June 09	110	2.0	ND	ND
	Sept 09	70	1.1	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
	Sept 09	38	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)
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
	Sept 09	1,000	ND	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
	Sept 09	3.3	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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
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

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)
	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
	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
	Sept 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
	Sept 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

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)
	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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
MW-6	Jan 04	6.97	2.31	NM	1.19	22.4	NM	NM
	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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
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
	Sept 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-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
	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
	Sept 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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
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

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	6.95	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
	Sept 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
	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
	Sept 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
	Sept 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-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
	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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
MW-15	Jan 04	6.35	2.20	NM	1.00	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	6.99	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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
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
	Sept 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

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	6.86	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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
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
	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
	Sept 09	6.63	3.91	18.9	4.29	28.0	2.5	136
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

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	7.10	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
	Sept 09	6.39	3.90	999	4.65	26.6	2.5	157
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
	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
	Sept 09	6.54	4.05	386	2.49	25.7	2.6	146
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

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	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
	Sept 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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
MW-23	May 05	7.00	3.63	*	2.56	24.5	NM	121
	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

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)
	Sept 09	6.57	3.98	24.5	2.03	25.4	2.5	133
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
	Sept 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
	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
	Sept 09	6.52	4.15	14.2	2.48	25.9	2.7	136
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

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	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
	Sept 09	6.59	4.34	10.5	2.79	26.4	2.8	137
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
	Sept 09	6.56	4.27	-6.7	0.91	24.2	2.7	131
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
	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
	Sept 09	NM	NM	NM	NM	NM	NM	NM
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

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)
	Feb 09	NM	NM	NM	NM	NM	NM	NM
	June 09	7.23	4.04	212	3.27	20.5	2.6	133
	Sept 09	NM	NM	NM	NM	NM	NM	NM
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
	Sept 09	6.57	4.16	0.8	1.97	23.4	2.7	127
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
	Sept 09	6.59	4.76	45.2	4.93	23.6	3.0	124
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
	Sept 09	6.51	4.16	4.1	1.15	25.3	2.7	157
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
	Sept 09	6.63	4.20	2.2	1.18	23.5	2.7	166

NM = Not Measured
* Instrument Failure
Note: All data for January 2004 through June 2008 was collected by URS.

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**
CLIENT PROJECT NUMBER: 00-43367-09
VERITAS LAB ORDER ID: V0909043
DATE RECEIVED AT LAB: 09/18/09

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:
None

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

Bruce G. Cunningham

09/29/09

Bruce G. Cunningham
Veritas Laboratories
Nevada Lab ID NV00918

Date

Veritas Laboratories

Trust in Quality, Trust 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: 09/17/09
VERITAS SAMPLE ID: V0909043-01

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/28/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	100	20	Ethylbenzene	ND	100	20
Bromobenzene	ND	100	20	Hexachlorobutadiene	ND	100	20
Bromodichloromethane	ND	100	20	Isopropylbenzene	ND	100	20
Bromoform	ND	100	20	4-Isopropyltoluene	ND	100	20
Bromomethane	ND	100	20	Methylene chloride (DCM)	ND	100	20
n-Butylbenzene	ND	100	20	Naphthalene	ND	100	20
sec-Butylbenzene	ND	100	20	n-Propylbenzene	ND	100	20
tert-Butylbenzene	ND	100	20	Styrene	ND	100	20
Carbon tetrachloride	ND	100	20	1,1,1,2-Tetrachloroethane	ND	100	20
Chlorobenzene	ND	100	20	1,1,2,2-Tetrachloroethane	ND	100	20
Chloroethane	ND	100	20	**Tetrachloroethene (PCE)**	**880**	**100**	**20**
Chloroform	ND	100	20	Toluene	ND	100	20
Chloromethane	ND	100	20	1,2,3-Trichlorobenzene	ND	100	20
2-Chlorotoluene	ND	100	20	1,2,4-Trichlorobenzene	ND	100	20
4-Chlorotoluene	ND	100	20	1,1,1-Trichloroethane (1,1,1-TCA)	ND	100	20
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	20	1,1,2-Trichloroethane (1,1,2-TCA)	ND	100	20
Dibromochloromethane	ND	100	20	Trichloroethene (TCE)	ND	100	20
1,2-Dibromoethane (EDB)	ND	100	20	Trichlorofluoromethane (Freon11)	ND	100	20
Dibromomethane	ND	100	20	1,2,3-Trichloropropane	ND	100	20
1,2-Dichlorobenzene (o-DCB)	ND	100	20	1,2,4-Trimethylbenzene	ND	100	20
1,3-Dichlorobenzene (m-DCB)	ND	100	20	1,3,5 -Trimethylbenzene	ND	100	20
1,4-Dichlorobenzene (p-DCB)	ND	100	20	Vinyl chloride	ND	100	20
Dichlorodifluoromethane (Freon 12)	ND	100	20	m,p-Xylene	ND	100	20
1,1-Dichloroethane (1,1-DCA)	ND	100	20	o-Xylene	ND	100	20
1,2-Dichloroethane (1,2-DCA)	ND	100	20	MTBE	ND	100	20
1,1-Dichloroethene (1,1-DCE)	ND	100	20				
cis-1,2-Dichloroethene	ND	100	20				
trans-1,2-Dichloroethene	ND	100	20				
1,2-Dichloropropane	ND	100	20				
1,3-Dichloropropane	ND	100	20				
2,2-Dichloropropane	ND	100	20				
1,1-Dichloropropene	ND	100	20				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	94	70-130%
1,2-Dichloroethane-d4	86	70-130%
Toluene-d8	91	70-130%
4-Bromofluorobenzene	98	70-130%

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

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

Veritas Laboratories

Trust 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: 09/17/09
VERITAS SAMPLE ID: V0909043-02

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/28/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	100	20	Ethylbenzene	ND	100	20
Bromobenzene	ND	100	20	Hexachlorobutadiene	ND	100	20
Bromodichloromethane	ND	100	20	Isopropylbenzene	ND	100	20
Bromoform	ND	100	20	4-Isopropyltoluene	ND	100	20
Bromomethane	ND	100	20	Methylene chloride (DCM)	ND	100	20
n-Butylbenzene	ND	100	20	Naphthalene	ND	100	20
sec-Butylbenzene	ND	100	20	n-Propylbenzene	ND	100	20
tert-Butylbenzene	ND	100	20	Styrene	ND	100	20
Carbon tetrachloride	ND	100	20	1,1,1,2-Tetrachloroethane	ND	100	20
Chlorobenzene	ND	100	20	1,1,2,2-Tetrachloroethane	ND	100	20
Chloroethane	ND	100	20	**Tetrachloroethene (PCE)**	**940**	**100**	**20**
Chloroform	ND	100	20	Toluene	ND	100	20
Chloromethane	ND	100	20	1,2,3-Trichlorobenzene	ND	100	20
2-Chlorotoluene	ND	100	20	1,2,4-Trichlorobenzene	ND	100	20
4-Chlorotoluene	ND	100	20	1,1,1-Trichloroethane (1,1,1-TCA)	ND	100	20
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	20	1,1,2-Trichloroethane (1,1,2-TCA)	ND	100	20
Dibromochloromethane	ND	100	20	Trichloroethene (TCE)	ND	100	20
1,2-Dibromoethane (EDB)	ND	100	20	Trichlorofluoromethane (Freon11)	ND	100	20
Dibromomethane	ND	100	20	1,2,3-Trichloropropane	ND	100	20
1,2-Dichlorobenzene (o-DCB)	ND	100	20	1,2,4-Trimethylbenzene	ND	100	20
1,3-Dichlorobenzene (m-DCB)	ND	100	20	1,3,5 -Trimethylbenzene	ND	100	20
1,4-Dichlorobenzene (p-DCB)	ND	100	20	Vinyl chloride	ND	100	20
Dichlorodifluoromethane (Freon 12)	ND	100	20	m,p-Xylene	ND	100	20
1,1-Dichloroethane (1,1-DCA)	ND	100	20	o-Xylene	ND	100	20
1,2-Dichloroethane (1,2-DCA)	ND	100	20	MTBE	ND	100	20
1,1-Dichloroethene (1,1-DCE)	ND	100	20				
cis-1,2-Dichloroethene	ND	100	20				
trans-1,2-Dichloroethene	ND	100	20				
1,2-Dichloropropane	ND	100	20				
1,3-Dichloropropane	ND	100	20				
2,2-Dichloropropane	ND	100	20				
1,1-Dichloropropene	ND	100	20				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	93	70-130%
1,2-Dichloroethane-d4	86	70-130%
Toluene-d8	91	70-130%
4-Bromofluorobenzene	97	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 SAMPLE ID:	**MW-18**
CLIENT PROJECT NAME:	**Maryland Square**	DATE SAMPLED:	09/17/09
CLIENT PROJECT NUMBER:	00-43367-09	VERITAS SAMPLE ID:	V0909043-03

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

MATRIX: Groundwater DATE(S) ANALYZED: 09/28/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	100	20	Ethylbenzene	ND	100	20
Bromobenzene	ND	100	20	Hexachlorobutadiene	ND	100	20
Bromodichloromethane	ND	100	20	Isopropylbenzene	ND	100	20
Bromoform	ND	100	20	4-Isopropyltoluene	ND	100	20
Bromomethane	ND	100	20	Methylene chloride (DCM)	ND	100	20
n-Butylbenzene	ND	100	20	Naphthalene	ND	100	20
sec-Butylbenzene	ND	100	20	n-Propylbenzene	ND	100	20
tert-Butylbenzene	ND	100	20	Styrene	ND	100	20
Carbon tetrachloride	ND	100	20	1,1,1,2-Tetrachloroethane	ND	100	20
Chlorobenzene	ND	100	20	1,1,2,2-Tetrachloroethane	ND	100	20
Chloroethane	ND	100	20	**Tetrachloroethene (PCE)**	**1,200**	**100**	**20**
Chloroform	ND	100	20	Toluene	ND	100	20
Chloromethane	ND	100	20	1,2,3-Trichlorobenzene	ND	100	20
2-Chlorotoluene	ND	100	20	1,2,4-Trichlorobenzene	ND	100	20
4-Chlorotoluene	ND	100	20	1,1,1-Trichloroethane (1,1,1-TCA)	ND	100	20
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	20	1,1,2-Trichloroethane (1,1,2-TCA)	ND	100	20
Dibromochloromethane	ND	100	20	Trichloroethene (TCE)	ND	100	20
1,2-Dibromoethane (EDB)	ND	100	20	Trichlorofluoromethane (Freon11)	ND	100	20
Dibromomethane	ND	100	20	1,2,3-Trichloropropane	ND	100	20
1,2-Dichlorobenzene (o-DCB)	ND	100	20	1,2,4-Trimethylbenzene	ND	100	20
1,3-Dichlorobenzene (m-DCB)	ND	100	20	1,3,5 -Trimethylbenzene	ND	100	20
1,4-Dichlorobenzene (p-DCB)	ND	100	20	Vinyl chloride	ND	100	20
Dichlorodifluoromethane (Freon 12)	ND	100	20	m,p-Xylene	ND	100	20
1,1-Dichloroethane (1,1-DCA)	ND	100	20	o-Xylene	ND	100	20
1,2-Dichloroethane (1,2-DCA)	ND	100	20	MTBE	ND	100	20
1,1-Dichloroethene (1,1-DCE)	ND	100	20				
cis-1,2-Dichloroethene	ND	100	20				
trans-1,2-Dichloroethene	ND	100	20				
1,2-Dichloropropane	ND	100	20				
1,3-Dichloropropane	ND	100	20				
2,2-Dichloropropane	ND	100	20				
1,1-Dichloropropene	ND	100	20				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	94	70-130%
1,2-Dichloroethane-d4	85	70-130%
Toluene-d8	91	70-130%
4-Bromofluorobenzene	97	70-130%

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

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

Veritas Laboratories

Trusted Quality, Trusted Service

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

CLIENT SAMPLE ID: **MW-23**
DATE SAMPLED: 09/17/09
VERITAS SAMPLE ID: V0609011-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/28/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	100	20	Ethylbenzene	ND	100	20
Bromobenzene	ND	100	20	Hexachlorobutadiene	ND	100	20
Bromodichloromethane	ND	100	20	Isopropylbenzene	ND	100	20
Bromoform	ND	100	20	4-Isopropyltoluene	ND	100	20
Bromomethane	ND	100	20	Methylene chloride (DCM)	ND	100	20
n-Butylbenzene	ND	100	20	Naphthalene	ND	100	20
sec-Butylbenzene	ND	100	20	n-Propylbenzene	ND	100	20
tert-Butylbenzene	ND	100	20	Styrene	ND	100	20
Carbon tetrachloride	ND	100	20	1,1,1,2-Tetrachloroethane	ND	100	20
Chlorobenzene	ND	100	20	1,1,2,2-Tetrachloroethane	ND	100	20
Chloroethane	ND	100	20	**Tetrachloroethene (PCE)**	**1,200**	**100**	**20**
Chloroform	ND	100	20	Toluene	ND	100	20
Chloromethane	ND	100	20	1,2,3-Trichlorobenzene	ND	100	20
2-Chlorotoluene	ND	100	20	1,2,4-Trichlorobenzene	ND	100	20
4-Chlorotoluene	ND	100	20	1,1,1-Trichloroethane (1,1,1-TCA)	ND	100	20
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	20	1,1,2-Trichloroethane (1,1,2-TCA)	ND	100	20
Dibromochloromethane	ND	100	20	Trichloroethene (TCE)	ND	100	20
1,2-Dibromoethane (EDB)	ND	100	20	Trichlorofluoromethane (Freon11)	ND	100	20
Dibromomethane	ND	100	20	1,2,3-Trichloropropane	ND	100	20
1,2-Dichlorobenzene (o-DCB)	ND	100	20	1,2,4-Trimethylbenzene	ND	100	20
1,3-Dichlorobenzene (m-DCB)	ND	100	20	1,3,5 -Trimethylbenzene	ND	100	20
1,4-Dichlorobenzene (p-DCB)	ND	100	20	Vinyl chloride	ND	100	20
Dichlorodifluoromethane (Freon 12)	ND	100	20	m,p-Xylene	ND	100	20
1,1-Dichloroethane (1,1-DCA)	ND	100	20	o-Xylene	ND	100	20
1,2-Dichloroethane (1,2-DCA)	ND	100	20	MTBE	ND	100	20
1,1-Dichloroethene (1,1-DCE)	ND	100	20				
cis-1,2-Dichloroethene	ND	100	20				
trans-1,2-Dichloroethene	ND	100	20				
1,2-Dichloropropane	ND	100	20				
1,3-Dichloropropane	ND	100	20				
2,2-Dichloropropane	ND	100	20				
1,1-Dichloropropene	ND	100	20				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	94	70-130%
1,2-Dichloroethane-d4	87	70-130%
Toluene-d8	92	70-130%
4-Bromofluorobenzene	97	70-130%

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

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

Veritas Laboratories

Trust in Quality, Trust 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: 09/17/09
VERITAS SAMPLE ID: V0909043-05

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/28/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	100	20	Ethylbenzene	ND	100	20
Bromobenzene	ND	100	20	Hexachlorobutadiene	ND	100	20
Bromodichloromethane	ND	100	20	Isopropylbenzene	ND	100	20
Bromoform	ND	100	20	4-Isopropyltoluene	ND	100	20
Bromomethane	ND	100	20	Methylene chloride (DCM)	ND	100	20
n-Butylbenzene	ND	100	20	Naphthalene	ND	100	20
sec-Butylbenzene	ND	100	20	n-Propylbenzene	ND	100	20
tert-Butylbenzene	ND	100	20	Styrene	ND	100	20
Carbon tetrachloride	ND	100	20	1,1,1,2-Tetrachloroethane	ND	100	20
Chlorobenzene	ND	100	20	1,1,2,2-Tetrachloroethane	ND	100	20
Chloroethane	ND	100	20	**Tetrachloroethene (PCE)**	**910**	**100**	**20**
Chloroform	ND	100	20	Toluene	ND	100	20
Chloromethane	ND	100	20	1,2,3-Trichlorobenzene	ND	100	20
2-Chlorotoluene	ND	100	20	1,2,4-Trichlorobenzene	ND	100	20
4-Chlorotoluene	ND	100	20	1,1,1-Trichloroethane (1,1,1-TCA)	ND	100	20
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	20	1,1,2-Trichloroethane (1,1,2-TCA)	ND	100	20
Dibromochloromethane	ND	100	20	Trichloroethene (TCE)	ND	100	20
1,2-Dibromoethane (EDB)	ND	100	20	Trichlorofluoromethane (Freon11)	ND	100	20
Dibromomethane	ND	100	20	1,2,3-Trichloropropane	ND	100	20
1,2-Dichlorobenzene (o-DCB)	ND	100	20	1,2,4-Trimethylbenzene	ND	100	20
1,3-Dichlorobenzene (m-DCB)	ND	100	20	1,3,5 -Trimethylbenzene	ND	100	20
1,4-Dichlorobenzene (p-DCB)	ND	100	20	Vinyl chloride	ND	100	20
Dichlorodifluoromethane (Freon 12)	ND	100	20	m,p-Xylene	ND	100	20
1,1-Dichloroethane (1,1-DCA)	ND	100	20	o-Xylene	ND	100	20
1,2-Dichloroethane (1,2-DCA)	ND	100	20	MTBE	ND	100	20
1,1-Dichloroethene (1,1-DCE)	ND	100	20				
cis-1,2-Dichloroethene	ND	100	20				
trans-1,2-Dichloroethene	ND	100	20				
1,2-Dichloropropane	ND	100	20				
1,3-Dichloropropane	ND	100	20				
2,2-Dichloropropane	ND	100	20				
1,1-Dichloropropene	ND	100	20				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	94	70-130%
1,2-Dichloroethane-d4	86	70-130%
Toluene-d8	92	70-130%
4-Bromofluorobenzene	97	70-130%

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

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

Veritas Laboratories

Trust 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: 09/17/09
VERITAS SAMPLE ID: V0909043-06

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/28/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	100	20	Ethylbenzene	ND	100	20
Bromobenzene	ND	100	20	Hexachlorobutadiene	ND	100	20
Bromodichloromethane	ND	100	20	Isopropylbenzene	ND	100	20
Bromoform	ND	100	20	4-Isopropyltoluene	ND	100	20
Bromomethane	ND	100	20	Methylene chloride (DCM)	ND	100	20
n-Butylbenzene	ND	100	20	Naphthalene	ND	100	20
sec-Butylbenzene	ND	100	20	n-Propylbenzene	ND	100	20
tert-Butylbenzene	ND	100	20	Styrene	ND	100	20
Carbon tetrachloride	ND	100	20	1,1,1,2-Tetrachloroethane	ND	100	20
Chlorobenzene	ND	100	20	1,1,2,2-Tetrachloroethane	ND	100	20
Chloroethane	ND	100	20	**Tetrachloroethene (PCE)**	**770**	**100**	**20**
Chloroform	ND	100	20	Toluene	ND	100	20
Chloromethane	ND	100	20	1,2,3-Trichlorobenzene	ND	100	20
2-Chlorotoluene	ND	100	20	1,2,4-Trichlorobenzene	ND	100	20
4-Chlorotoluene	ND	100	20	1,1,1-Trichloroethane (1,1,1-TCA)	ND	100	20
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	20	1,1,2-Trichloroethane (1,1,2-TCA)	ND	100	20
Dibromochloromethane	ND	100	20	Trichloroethene (TCE)	ND	100	20
1,2-Dibromoethane (EDB)	ND	100	20	Trichlorofluoromethane (Freon11)	ND	100	20
Dibromomethane	ND	100	20	1,2,3-Trichloropropane	ND	100	20
1,2-Dichlorobenzene (o-DCB)	ND	100	20	1,2,4-Trimethylbenzene	ND	100	20
1,3-Dichlorobenzene (m-DCB)	ND	100	20	1,3,5 -Trimethylbenzene	ND	100	20
1,4-Dichlorobenzene (p-DCB)	ND	100	20	Vinyl chloride	ND	100	20
Dichlorodifluoromethane (Freon 12)	ND	100	20	m,p-Xylene	ND	100	20
1,1-Dichloroethane (1,1-DCA)	ND	100	20	o-Xylene	ND	100	20
1,2-Dichloroethane (1,2-DCA)	ND	100	20	MTBE	ND	100	20
1,1-Dichloroethene (1,1-DCE)	ND	100	20				
cis-1,2-Dichloroethene	ND	100	20				
trans-1,2-Dichloroethene	ND	100	20				
1,2-Dichloropropane	ND	100	20				
1,3-Dichloropropane	ND	100	20				
2,2-Dichloropropane	ND	100	20				
1,1-Dichloropropene	ND	100	20				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	93	70-130%
1,2-Dichloroethane-d4	86	70-130%
Toluene-d8	92	70-130%
4-Bromofluorobenzene	97	70-130%

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

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

Veritas Laboratories

Trusted Quality, Trusted Service

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

CLIENT SAMPLE ID: **MW-33**
DATE SAMPLED: 09/18/09
VERITAS SAMPLE ID: V0909043-07

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/25/09

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	94	70-130%
1,2-Dichloroethane-d4	85	70-130%
Toluene-d8	91	70-130%
4-Bromofluorobenzene	97	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

Trusted 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: 09/18/09
VERITAS SAMPLE ID: V0909043-08

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/28/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	100	20	Ethylbenzene	ND	100	20
Bromobenzene	ND	100	20	Hexachlorobutadiene	ND	100	20
Bromodichloromethane	ND	100	20	Isopropylbenzene	ND	100	20
Bromoform	ND	100	20	4-Isopropyltoluene	ND	100	20
Bromomethane	ND	100	20	Methylene chloride (DCM)	ND	100	20
n-Butylbenzene	ND	100	20	Naphthalene	ND	100	20
sec-Butylbenzene	ND	100	20	n-Propylbenzene	ND	100	20
tert-Butylbenzene	ND	100	20	Styrene	ND	100	20
Carbon tetrachloride	ND	100	20	1,1,1,2-Tetrachloroethane	ND	100	20
Chlorobenzene	ND	100	20	1,1,2,2-Tetrachloroethane	ND	100	20
Chloroethane	ND	100	20	**Tetrachloroethene (PCE)**	**1,000**	**100**	**20**
Chloroform	ND	100	20	Toluene	ND	100	20
Chloromethane	ND	100	20	1,2,3-Trichlorobenzene	ND	100	20
2-Chlorotoluene	ND	100	20	1,2,4-Trichlorobenzene	ND	100	20
4-Chlorotoluene	ND	100	20	1,1,1-Trichloroethane (1,1,1-TCA)	ND	100	20
1,2-Dibromo-3-chloropropane (DBCP)	ND	100	20	1,1,2-Trichloroethane (1,1,2-TCA)	ND	100	20
Dibromochloromethane	ND	100	20	Trichloroethene (TCE)	ND	100	20
1,2-Dibromoethane (EDB)	ND	100	20	Trichlorofluoromethane (Freon11)	ND	100	20
Dibromomethane	ND	100	20	1,2,3-Trichloropropane	ND	100	20
1,2-Dichlorobenzene (o-DCB)	ND	100	20	1,2,4-Trimethylbenzene	ND	100	20
1,3-Dichlorobenzene (m-DCB)	ND	100	20	1,3,5 -Trimethylbenzene	ND	100	20
1,4-Dichlorobenzene (p-DCB)	ND	100	20	Vinyl chloride	ND	100	20
Dichlorodifluoromethane (Freon 12)	ND	100	20	m,p-Xylene	ND	100	20
1,1-Dichloroethane (1,1-DCA)	ND	100	20	o-Xylene	ND	100	20
1,2-Dichloroethane (1,2-DCA)	ND	100	20	MTBE	ND	100	20
1,1-Dichloroethene (1,1-DCE)	ND	100	20				
cis-1,2-Dichloroethene	ND	100	20				
trans-1,2-Dichloroethene	ND	100	20				
1,2-Dichloropropane	ND	100	20				
1,3-Dichloropropane	ND	100	20				
2,2-Dichloropropane	ND	100	20				
1,1-Dichloropropene	ND	100	20				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	94	70-130%
1,2-Dichloroethane-d4	85	70-130%
Toluene-d8	92	70-130%
4-Bromofluorobenzene	97	70-130%

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

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

Veritas Laboratories

Trust 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: 09/18/09
VERITAS SAMPLE ID: V0909043-09

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/28/09

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	50	10	Ethylbenzene	ND	50	10
Bromobenzene	ND	50	10	Hexachlorobutadiene	ND	50	10
Bromodichloromethane	ND	50	10	Isopropylbenzene	ND	50	10
Bromoform	ND	50	10	4-Isopropyltoluene	ND	50	10
Bromomethane	ND	50	10	Methylene chloride (DCM)	ND	50	10
n-Butylbenzene	ND	50	10	Naphthalene	ND	50	10
sec-Butylbenzene	ND	50	10	n-Propylbenzene	ND	50	10
tert-Butylbenzene	ND	50	10	Styrene	ND	50	10
Carbon tetrachloride	ND	50	10	1,1,1,2-Tetrachloroethane	ND	50	10
Chlorobenzene	ND	50	10	1,1,2,2-Tetrachloroethane	ND	50	10
Chloroethane	ND	50	10	**Tetrachloroethene (PCE)**	**640**	**50**	**10**
Chloroform	ND	50	10	Toluene	ND	50	10
Chloromethane	ND	50	10	1,2,3-Trichlorobenzene	ND	50	10
2-Chlorotoluene	ND	50	10	1,2,4-Trichlorobenzene	ND	50	10
4-Chlorotoluene	ND	50	10	1,1,1-Trichloroethane (1,1,1-TCA)	ND	50	10
1,2-Dibromo-3-chloropropane (DBCP)	ND	50	10	1,1,2-Trichloroethane (1,1,2-TCA)	ND	50	10
Dibromochloromethane	ND	50	10	Trichloroethene (TCE)	ND	50	10
1,2-Dibromoethane (EDB)	ND	50	10	Trichlorofluoromethane (Freon11)	ND	50	10
Dibromomethane	ND	50	10	1,2,3-Trichloropropane	ND	50	10
1,2-Dichlorobenzene (o-DCB)	ND	50	10	1,2,4-Trimethylbenzene	ND	50	10
1,3-Dichlorobenzene (m-DCB)	ND	50	10	1,3,5 -Trimethylbenzene	ND	50	10
1,4-Dichlorobenzene (p-DCB)	ND	50	10	Vinyl chloride	ND	50	10
Dichlorodifluoromethane (Freon 12)	ND	50	10	m,p-Xylene	ND	50	10
1,1-Dichloroethane (1,1-DCA)	ND	50	10	o-Xylene	ND	50	10
1,2-Dichloroethane (1,2-DCA)	ND	50	10	MTBE	ND	50	10
1,1-Dichloroethene (1,1-DCE)	ND	50	10				
cis-1,2-Dichloroethene	ND	50	10				
trans-1,2-Dichloroethene	ND	50	10				
1,2-Dichloropropane	ND	50	10				
1,3-Dichloropropane	ND	50	10				
2,2-Dichloropropane	ND	50	10				
1,1-Dichloropropene	ND	50	10				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	92	70-130%
1,2-Dichloroethane-d4	86	70-130%
Toluene-d8	91	70-130%
4-Bromofluorobenzene	97	70-130%

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

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

Veritas Laboratories

Trusted Quality, Turnaround Service

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

CLIENT SAMPLE ID: **MW-31**
DATE SAMPLED: 09/18/09
VERITAS SAMPLE ID: V0909043-10

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/25/09

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)**	**38**	**5.0**	**1**
Chloroform	**6.1**	**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	92	70-130%
1,2-Dichloroethane-d4	84	70-130%
Toluene-d8	90	70-130%
4-Bromofluorobenzene	97	70-130%

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

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

Veritas Laboratories

Teamwork Quality Trust 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: 09/18/09
VERITAS SAMPLE ID: V0909043-11

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/25/09

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)**	**70**	**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)**	**1.1 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	92	70-130%
1,2-Dichloroethane-d4	84	70-130%
Toluene-d8	90	70-130%
4-Bromofluorobenzene	97	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: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK090925-04

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/25/09

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	94	70-130%
1,2-Dichloroethane-d4	86	70-130%
Toluene-d8	91	70-130%
4-Bromofluorobenzene	96	70-130%

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

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

Veritas Laboratories

Trust in Quality, Trust 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: VBLK090928-05

ANALYSIS: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 09/28/09

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	94	70-130%
1,2-Dichloroethane-d4	86	70-130%
Toluene-d8	90	70-130%
4-Bromofluorobenzene	97	70-130%

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

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

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

V0909043

CHAIN OF CUSTODY FORM

Client Name/Address: Maryland Square

Project/PO Number: 004336709

Project Manager: Andrea Havens

Phone Number: 249-5225

Sampler: Carlos Cobos

Fax Number:

Analysis Required

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Full 8260	Special Instructions
01-	MW-19	GW	VOA	3	9-17-09 0905	HCL		
02-	MW-20				9-17-09 1005			
03-	MW-18				9-17-09 1105			
04-	MW-23				9-17-09 1200			
05-	MW-26				9-17-09 1255			
06-	MW-25				9-17-09 1350			
07-	MW-33				9-18-09 0745			
08-	MW-32				9-18-09 0845			
09-	MW-27				9-18-09 0950			
10-	MW-31				9-18-09 1055			
11-	MW-30				9-18-09 1145			

Relinquished By	Date/Time	Received By	Date/Time	Turnaround Time: (Check)
[signature]	9-18-09, 4:25p	[signature]	9/18/09, 4:29p	☐ Same day ☐ 72 hours
Relinquished By:	Date/Time:	Received By:	Date/Time:	☐ 24 hours ☐ 5 days
				☐ 48 hours ☒ Normal
Relinquished By:	Date/Time:	Received By:	Date/Time:	Sample Integrity: (Check)
				☒ Intact ☒ On ice 8°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

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-18	Screened Interval (ft)	5'-25'	Well Diameter (in):	4"
Date:	9-17-09	Pump Intake Depth (ft)	15'	Static Water Level (ft):	13.26
Sample ID	MW-18	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	20.20
Time:	1105	PID Reading at TOC:	N/A	Water Column Length:	6.94
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 25 CPM 2 ID: 45
Analysis:	Full VOCs	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-17-09 0815		

Time	Volume Purged	Flow Rate	Water Level (feet - BTOC)	Specific Conductance (ms/cm)	pH	Temp. (^{0}C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	Pump Settings & TDS
START 1045	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1048	.6	200ml	13.29	3.91	6.76	29.5	6.06	128	78.2	0.2	2.5
1051	1.2	200ml	13.28	3.93	6.69	28.6	5.09	131	36.6	0.2	2.5
1054	1.8	200ml	13.28	3.92	6.64	28.2	4.61	133	18.9	0.2	2.5
1057	2.4	200ml	13.28	3.90	6.64	28.0	4.37	135	19.4	0.2	2.5
1100	3.0	200ml	13.28	3.91	6.63	28.0	4.29	136	18.9	0.2	2.5
1105	Sample	taken									
1106	Sample	complete	13.26								

Comments:

Maximum permissable drawdown = .44 ft BTOC, water level not to draw down below 13.70 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-19	Screened Interval (ft)	19'-34'	Well Diameter (in):	2"
Date:	9-17-09	Pump Intake Depth (ft)	29'	Static Water Level (ft):	27.38
Sample ID	MW-19	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	30.95
Time:	0905	PID Reading at TOC:	N/A	Water Column Length:	3.57
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Full ~~[illegible]~~ VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-17-09 0815		

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
START 0841	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0844	.6	200ml	27.39	3.99	5.92	28.2	5.72	170	999.0	0.2	2.5
0847	1.2	200ml	27.40	3.93	6.17	27.4	5.21	166	999.0	0.2	2.5
0850	1.8	200ml	27.40	3.90	6.31	27.0	4.92	163	999.0	0.2	2.5
0853	2.4	200ml	27.40	3.90	6.38	26.8	4.71	162	999.0	0.2	2.5
0856	3.0	200ml	27.40	3.90	6.40	26.7	4.68	160	999.0	0.2	2.5
0859	3.6	200ml	27.40	3.90	6.39	26.6	4.65	157	999.0	0.2	2.5
0905	Sample	taken									
0906	Sample	complete	27.39								

Comments:

Maximum permissable drawdown = .41 ft BTOC, water level not to draw down below 27.79 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-20	Screened Interval (ft)	19'-34'	Well Diameter (in):	2"
Date:	9-17-09	Pump Intake Depth (ft)	29'	Static Water Level (ft):	27.29
Sample ID	MW-20	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	32.55
Time:	1005	PID Reading at TOC:	N/A	Water Column Length:	5.26
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 48
Analysis:	Full VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-17-09 0815		

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
START 0937	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0940	.6	200ml	27.30	3.72	6.71	29.1	4.55	151	999.0	0.2	2.4
0943	1.2	200ml	27.30	3.89	6.60	26.7	2.84	151	941.0	0.2	2.5
0946	1.8	200ml	27.30	3.97	6.57	26.2	2.58	149	771.0	0.2	2.5
0949	2.4	200ml	27.30	4.00	6.55	25.9	2.56	148	525.0	0.2	2.6
0952	3.0	200ml	27.30	4.02	6.54	25.9	2.52	148	408.0	0.2	2.6
0955	3.6	200ml	27.30	4.04	6.53	25.7	2.52	149	397.0	0.2	2.6
0958	4.2	200ml	27.30	4.05	6.54	25.7	2.49	146	386.0	0.2	2.6
1005	Sample	taken									
1006	Sample	complete	27.28								

Comments:

Maximum permissable drawdown = .43 ft BTOC, water level not to draw down below 27.72 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-23	Screened Interval (ft)	5'-25'	Well Diameter (in):	4"
Date:	9-17-09	Pump Intake Depth (ft)	20'	Static Water Level (ft):	17.30
Sample ID	MW-23	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	25.20
Time:	1200	PID Reading at TOC:	N/A	Water Column Length:	7.90
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Full VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-17-09 0815		

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
START 1137	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1140	.6	200ml	17.31	4.00	6.70	26.9	4.15	134	85.9	0.2	2.6
1143	1.2	200ml	17.31	3.96	6.63	26.5	2.77	134	53.7	0.2	2.6
1146	1.8	200ml	17.31	3.98	6.61	26.2	2.54	134	47.5	0.2	2.5
1149	2.4	200ml	17.31	3.97	6.59	25.6	2.19	134	25.2	0.2	2.5
1152	3.0	200ml	17.31	3.98	6.57	25.5	2.07	133	24.9	0.2	2.5
1155	3.6	200ml	17.31	3.98	6.57	25.4	2.03	133	24.5	0.2	2.5
1200	Sample	taken									
1201	Sample	complete	17.31								

Comments:

Maximum permissable drawdown = .68 ft BTOC, water level not to draw down below 17.98 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-25	Screened Interval (ft)	5'-25'	Well Diameter (in):	4"
Date:	9-17-09	Pump Intake Depth (ft)	22'	Static Water Level (ft):	20.26
Sample ID	MW-25	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	25.80
Time:	1350	PID Reading at TOC:	N/A	Water Column Length:	5.54
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Full VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-17-09 0815		

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
START 1329	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1332	.6	200ml	20.27	4.11	6.64	29.0	4.12	133	64.4	0.2	2.6
1335	1.2	200ml	20.27	4.15	6.58	27.2	3.17	135	28.6	0.2	2.7
1338	1.8	200ml	20.27	4.13	6.54	26.6	2.84	135	16.2	0.2	2.6
1341	2.4	200ml	20.27	4.13	6.53	26.1	2.59	135	13.9	0.2	2.7
1344	3.0	200ml	20.27	4.15	6.52	25.9	2.53	135	14.0	0.2	2.7
1347	3.6	200ml	20.27	4.15	6.52	25.9	2.48	136	14.2	0.2	2.7
1350	Sample	taken									
1351	Sample	complete	20.25								

Comments:

Maximum permissable drawdown = .44 ft BTOC, water level not to draw down below 20.70 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-26	Screened Interval (ft)	10'-35'	Well Diameter (in):	4"
Date:	9-17-09	Pump Intake Depth (ft)	23'	Static Water Level (ft):	18.83
Sample ID	MW-26	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	35.15
Time:	1255	PID Reading at TOC:	N/A	Water Column Length:	16.32
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 45
Analysis:	Full VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-17-09 0815		

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
START 1235	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1238	.6	200ml	18.85	4.38	6.78	29.0	5.68	133	43.5	0.2	2.8
1241	1.2	200ml	18.85	4.35	6.65	27.4	3.53	135	10.7	0.2	2.8
1244	1.8	200ml	18.85	4.33	6.61	26.5	2.97	136	10.6	0.2	2.8
1247	2.4	200ml	18.85	4.34	6.60	26.4	2.83	137	10.4	0.2	2.8
1250	3.0	200ml	18.85	4.34	6.59	26.4	2.79	137	10.5	0.2	2.8
1255	Sample	taken									
1256	Sample	complete	18.84								

Comments:

Maximum permissable drawdown = 1.04 ft BTOC, water level not to draw down below 19.87 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-27	Screened Interval (ft)	10'-35'	Well Diameter (in):	4"
Date:	9-18-09	Pump Intake Depth (ft)	23'	Static Water Level (ft):	19.75
Sample ID	MW-27	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	35.10
Time:	0950	PID Reading at TOC:	N/A	Water Column Length:	15.35
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Full VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-18-09 0650		

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
START 0921	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0924	.6	200ml	19.78	4.29	6.75	26.3	3.24	140	-1.8	0.2	2.7
0927	1.2	200ml	19.79	4.31	6.67	24.8	1.83	138	-5.9	0.2	2.7
0930	1.8	200ml	19.79	4.25	6.63	24.5	1.36	136	-6.1	0.2	2.7
0933	2.4	200ml	19.79	4.27	6.61	24.3	1.08	135	-7.0	0.2	2.7
0936	3.0	200ml	19.79	4.26	6.58	24.2	.95	134	-6.8	0.2	2.7
0939	3.6	200ml	19.79	4.26	6.57	24.2	.92	132	-6.7	0.2	2.7
0942	4.2	200ml	19.79	4.27	6.56	24.2	.91	131	-6.7	0.2	2.7
0950	Sample	taken									
0951	Sample	complete	19.76								

Comments:

Maximum permissable drawdown = .81 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-30	Screened Interval (ft)	20'-40'	Well Diameter (in):	4"
Date:	9-18-09	Pump Intake Depth (ft)	30'	Static Water Level (ft):	21.54
Sample ID	MW-30	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	39.50
Time:	1145	PID Reading at TOC:	N/A	Water Column Length:	17.96
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 40 CPM 2 ID: 44
Analysis:	Full VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-18-09 0650		

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
START 1122	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1125	.6	200ml	21.56	4.04	6.81	27.0	5.51	122	27.5	0.2	2.6
1128	1.2	200ml	21.56	4.11	6.68	24.9	3.12	124	4.7	~~0.3~~	2.6
1131	1.8	200ml	21.56	4.14	6.62	24.1	2.51	125	3.9	0.2	2.7
1134	2.4	200ml	21.56	4.14	6.59	23.6	2.13	126	0.8	0.2	2.7
1137	3.0	200ml	21.56	4.14	6.58	23.5	2.00	126	0.8	0.2	2.7
1140	3.6	200ml	21.56	4.16	6.57	23.4	1.97	127	0.8	0.2	2.7
1145	Sample	taken									
1146	Sample	complete	21.54								

Comments:

Maximum permissable drawdown = 2.12 ft BTOC, water level not to draw down below 23.66 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-31	Screened Interval (ft)	14'-34'	Well Diameter (in):	4"
Date:	9-18-09	Pump Intake Depth (ft)	24'	Static Water Level (ft):	19.07
Sample ID	MW-31	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	33.15
Time:	1055	PID Reading at TOC:	N/A	Water Column Length:	14.08
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 46
Analysis:	Full VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-18-09 0650		

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
START 1030	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
1033	.6	200ml	19.07	4.74	6.71	25.6	6.16	128	176.0	0.2	3.0
1036	1.2	200ml	19.07	4.74	6.65	24.4	5.41	127	71.8	0.2	3.0
1039	1.8	200ml	19.07	4.75	6.63	23.8	5.11	125	55.2	0.2	3.0
1042	2.4	200ml	19.07	4.75	6.61	23.7	5.02	125	49.8	0.2	3.0
1045	3.0	200ml	19.07	4.76	6.59	23.6	4.99	123	42.6	0.2	3.0
1048	3.6	200ml	19.07	4.76	6.59	23.6	4.93	124	45.2	0.2	3.0
1055	Sample	taken									
1056	Sample	complete	19.07								

Comments:

Maximum permissable drawdown = 1.23 ft BTOC, water level not to draw down below 20.30 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-32	Screened Interval (ft)	15'-35'	Well Diameter (in):	4"
Date:	9-18-09	Pump Intake Depth (ft)	25'	Static Water Level (ft):	20.56
Sample ID	MW-32	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	33.55
Time:	0845	PID Reading at TOC:	N/A	Water Column Length:	12.99
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Full VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-18-09 0650		

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
START 0819	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0822	.6	200ml	20.56	4.13	6.73	26.6	5.12	159	8.1	0.2	2.6
0825	1.2	200ml	20.56	4.13	6.60	25.9	2.17	159	5.5	0.2	2.6
0828	1.8	200ml	20.57	4.15	6.56	25.5	1.60	158	5.7	0.2	2.6
0831	2.4	200ml	20.57	4.16	6.54	25.5	1.39	158	4.6	0.2	2.6
0834	3.0	200ml	20.57	4.16	6.52	25.4	1.24	158	4.1	0.2	2.7
0837	3.6	200ml	20.57	4.16	6.52	25.4	1.19	157	4.0	0.2	2.7
0840	4.2	200ml	20.57	4.16	6.51	25.3	1.15	157	4.1	0.2	2.7
0845	Sample	taken									
0846	Sample	complete	20.56								

Comments:

Maximum permissable drawdown = 1.11 ft BTOC, water level not to draw down below 21.67 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.

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Monitoring Well Low-Flow Purge/Sampling Form

Project: Maryland Square

Well ID:	MW-33	Screened Interval (ft)	15'-35'	Well Diameter (in):	4"
Date:	9-18-09	Pump Intake Depth (ft)	25'	Static Water Level (ft):	18.97
Sample ID	MW-33	Purging/ Sample Device:	QED Portable	Total Well depth (ft):	33.35
Time:	0745	PID Reading at TOC:	N/A	Water Column Length:	14.38
Dup ID:	N/A	Water Level Instrument :	Solinst	Minimum Purge Volume:	
Rinsate ID:	N/A	WLI Serial #:	51166	Samplers Name:	C. Cobos
MS/MSD ID:	N/A	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	PSI 30 CPM 2 ID: 44
Analysis:	Full VOC's	Water Quality Meter Serial #:	510008	Low-Flow or Net Purge:	Low-Flow
		WQM Calibrated Date & Time:	9-18-09 0650		

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
START 0721	Liters	ml/min	± 0.1 ft	3%	± 0.2	± 0.2	± 10%	± 20	± 10%	%	g/L
0724	.6	200ml	19.00	4.22	7.09	24.3	5.73	167	10.1	0.2	2.7
0727	1.2	200ml	19.00	4.23	6.79	24.2	2.28	167	4.5	0.2	2.7
0730	1.8	200ml	19.00	4.22	6.68	23.9	1.67	167	2.2	0.2	2.7
0733	2.4	200ml	19.00	4.21	6.61	23.7	1.29	167	2.1	0.2	2.7
0736	3.0	200ml	19.00	4.20	6.61	23.6	1.22	166	2.1	0.2	2.7
0739	3.6	200ml	19.00	4.20	6.63	23.5	1.18	166	2.2	0.2	2.7
0745	Sample	taken									
0746	Sample	complete	18.98								

Comments:

Maximum permissable drawdown = 1.51 ft BTOC, water level not to draw down below 20.48 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.

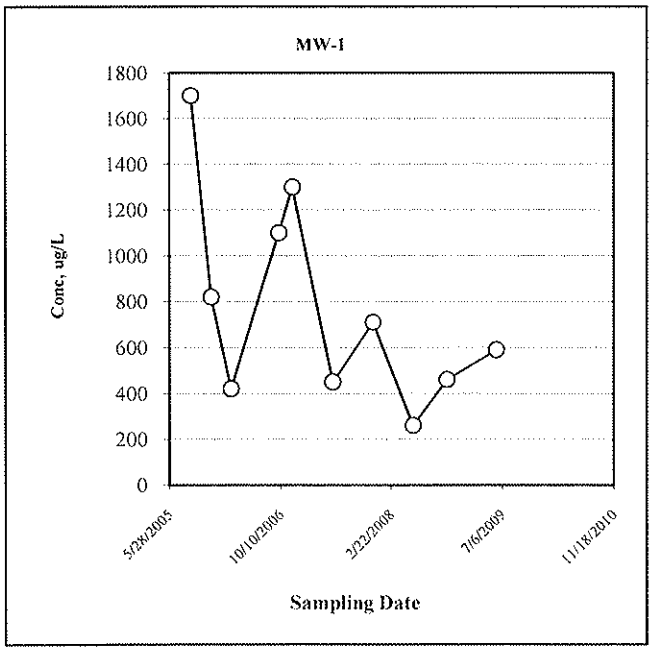
		Hazardous Substances (unit is ug/L)					
Sampling Event	Date Sampled	MW-1	MW-2	MW-5	MW-6	MW-21	MW-30
#1	Sep-05	1700			890	19	
#2	Dec-05	820	2900	93	530	16	
#3	Mar-06	420				43	
#4	Jun-06		1600	220	1100	32	
#5	Oct-06	1100	1900	67	1300	23	
#6	Dec-06	1300	1300	130	810	39	
#7	Apr-07						
#8	Jun-07	450	1400	550	1300	28	
#9	Sep-07						
#10	Dec-07	710	1000	170	1500	83	74
#11	Mar-08						86
#12	Jun-08	260	900	400	1900		49
#13	Nov-08	460	960	340	2000	20	100
#14	Feb-09						71
#15	Jun-09	590	880	700	2800		110
#16	Sep-09						70

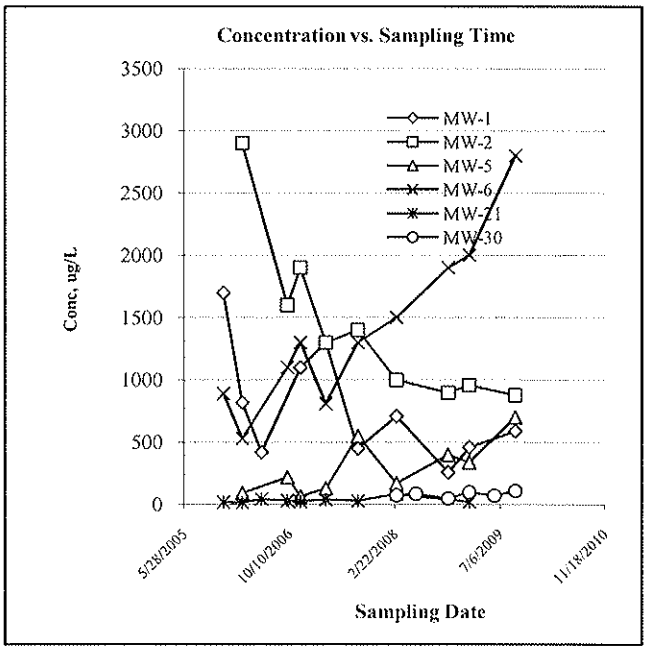
2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	MW-1	MW-2	MW-5	MW-6	MW-21	MW-30
Confidence Level Calculated?	89.20%	100.00%	97.80%	100.00%	76.20%	50.00%
Plume Stability?	Stable	Shrinking	***Expanding***	***Expanding***	Stable	Stable
Coefficient of Variation?	CV <= 1				CV <= 1	CV <= 1
Mann-Kendall Statistic "S" value?	-15	-30	20	36	8	1
Number of Sampling Rounds?	10	9	9	10	9	7
Average Concentration?	781.00	1426.67	296.67	1413.00	33.67	80.00
Standard Deviation?	456.20	653.61	218.90	671.10	20.65	20.47
Coefficient of Variation?	0.58	0.46	0.74	0.47	0.61	0.26
Blank if No Errors found						

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

Hazardous substance? **MW-1**
Plume Stability? **Stable**





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.

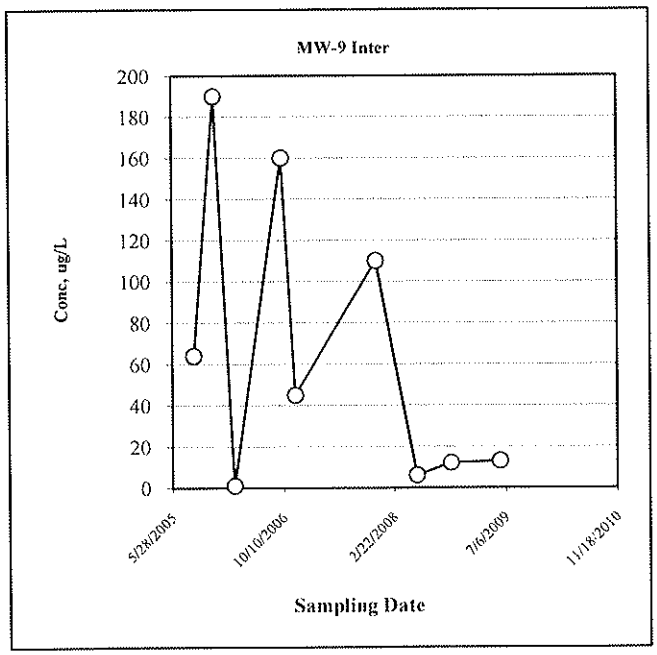
		Hazardous Substances (unit is ug/L)					
Sampling Event	Date Sampled	MW-13	MW-14	MW-17	MW-18	MW-19	MW-9 Inter
#1	Sep-05	2600			1700		64
#2	Dec-05	3400	3400	470	2400	1300	190
#3	Mar-06	3700	2500		1700		1
#4	Jun-06	2900	1800		1600	910	
#5	Oct-06	2800	1900	1300	2100	840	160
#6	Dec-06	3200	3500	710	1400	1200	45
#7	Apr-07	2500	1900	440	1400	890	
#8	Jun-07	3700	1700	300	1300	870	
#9	Sep-07	2000					
#10	Dec-07	2500	1500	480	1400	990	110
#11	Mar-08				1800	1200	
#12	Jun-08	2300	1500	360	1200	930	6
#13	Nov-08	2600	1500	290	950	1300	12
#14	Feb-09				1500		
#15	Jun-09	2200	1900	270	3500	1400	13
#16	Sep-09				1200	880	

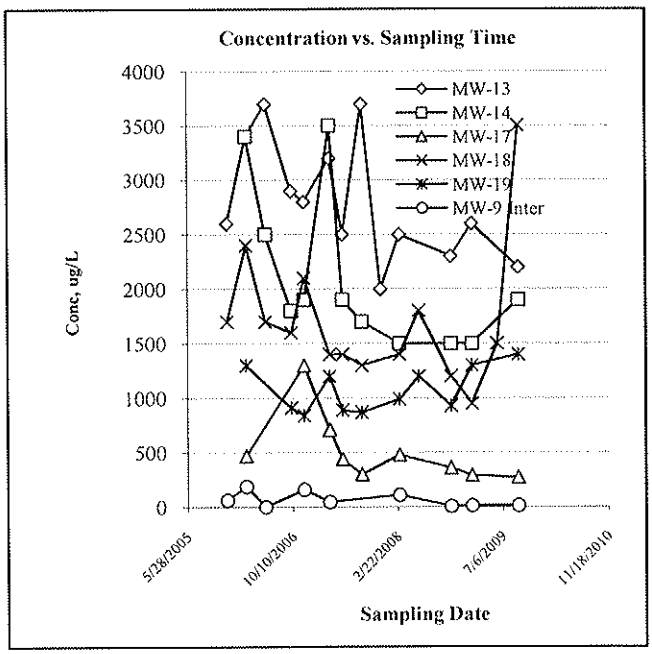
2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	MW-13	MW-14	MW-17	MW-18	MW-19	MW-9 Inter
Confidence Level Calculated?	97.10%	98.00%	99.40%	95.40%	72.70%	82.10%
Plume Stability?	Shrinking	Shrinking	Shrinking	Shrinking	Stable	Undetermined
Coefficient of Variation?					CV <= 1	CV > 1
Mann-Kendall Statistic "S" value?	-33	-27	-24	-36	10	-10
Number of Sampling Rounds?	13	11	9	15	12	9
Average Concentration?	2800.00	2100.00	513.33	1676.67	1059.17	66.78
Standard Deviation?	552.27	725.26	324.81	623.03	204.52	70.83
Coefficient of Variation?	0.20	0.35	0.63	0.37	0.19	1.06
Blank if No Errors found						

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

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





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.

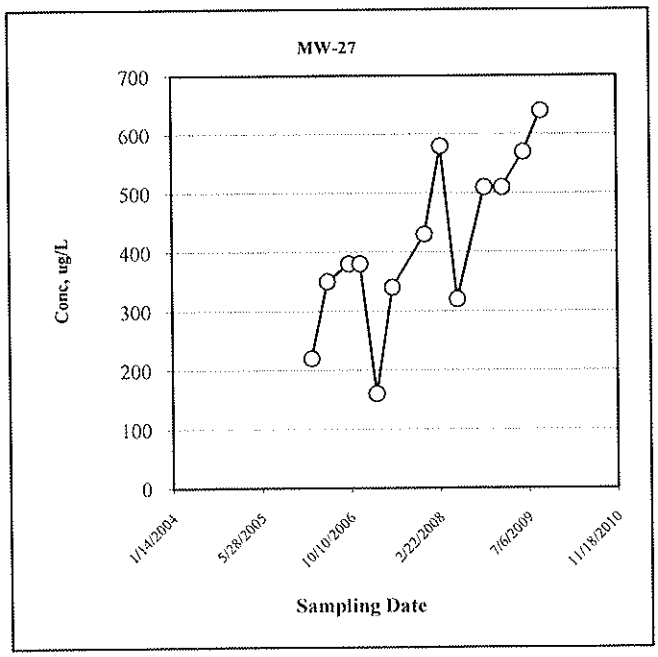
		Hazardous Substances (unit is ug/L)					
Sampling Event	Date Sampled	MW-20	MW-23	MW-25	MW-26	MW-27	MW-21
#1	May-05	1460	1430	993			30
#2	Sep-05			920			19
#3	Dec-05	1800	1900	1000			16
#4	Mar-06			970	730	220	43
#5	Jun-06	2100	1500	960	770	350	32
#6	Oct-06	2000	2000	1300	1100	380	23
#7	Dec-06	2500	2100	1200		380	39
#8	Mar-07	1500	2100	670	790	160	
#9	Jun-07	1300	1300	960	960	340	28
#10	Dec-07	1400	1200	780	910	430	83
#11	Mar-08	1600	1400	890	1100	580	
#12	Jun-08	1200	1100	630	930	320	
#13	Nov-08	1000	1300	730	900	510	20
#14	Feb-09	830	1100	770	960	510	
#15	Jun-09	1100	1400	880	970	570	
#16	Sep-09	940	1200	770	910	640	

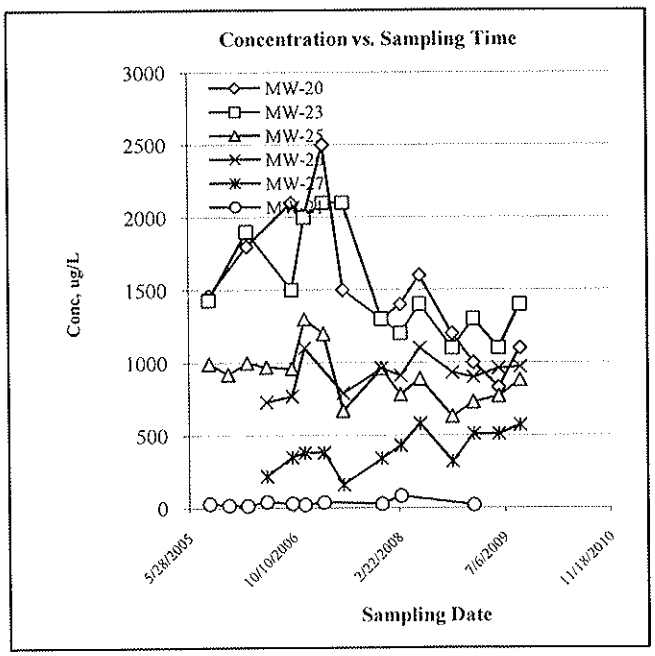
2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	**MW-20**	**MW-23**	**MW-25**	**MW-26**	**MW-27**	**MW-21**
Confidence Level Calculated?	99.90%	97.60%	99.20%	87.50%	99.70%	70.00%
Plume Stability?	Shrinking	Shrinking	Shrinking	Stable	***Expanding***	Stable
Coefficient of Variation?				CV <= 1		CV <= 1
Mann-Kendall Statistic "S" value?	-55	-38	-54	19	44	7
Number of Sampling Rounds?	14	14	16	12	13	10
Average Concentration?	1480.71	1502.14	901.44	919.17	414.62	33.30
Standard Deviation?	481.89	365.31	179.72	115.48	142.75	19.51
Coefficient of Variation?	0.33	0.24	0.20	0.13	0.34	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*

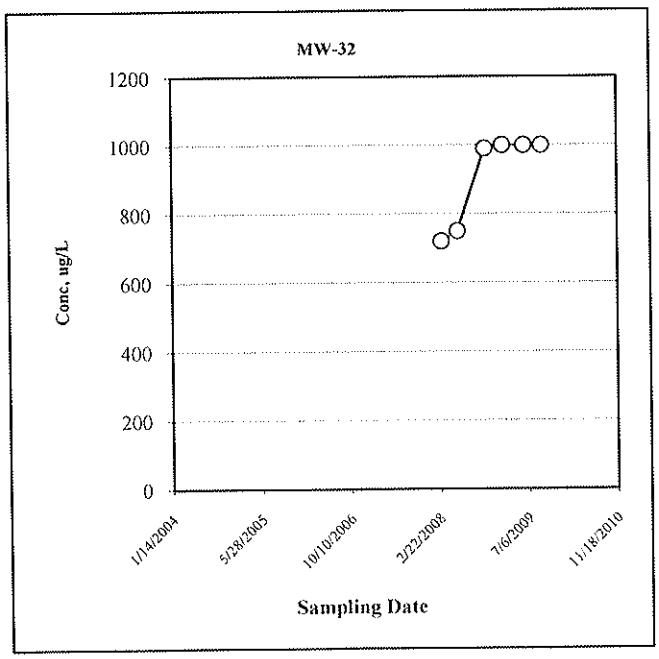
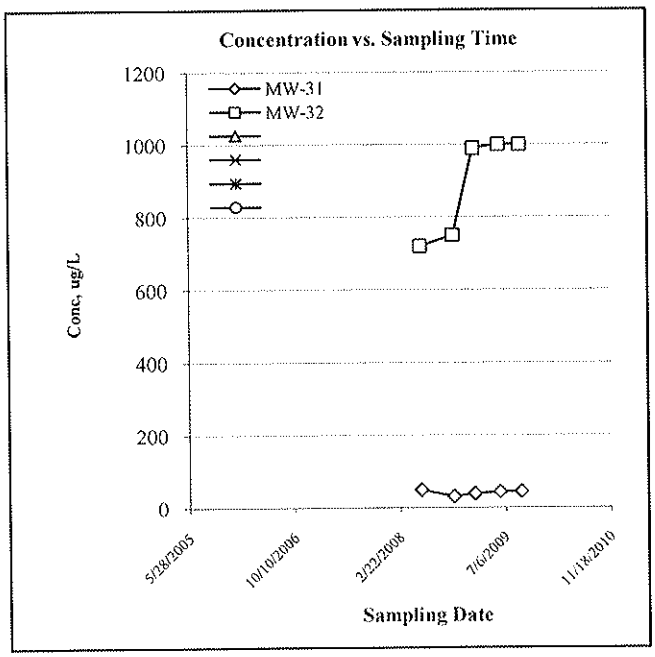
Well (Sampling) Location? **MS**
Level of Confidence (Decision Criteria)? **90%**

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	May-05						
#2	Sep-05						
#3	Dec-05						
#4	Mar-06						
#5	Jun-06						
#6	Oct-06						
#7	Dec-06						
#8	Mar-07						
#9	Jun-07						
#10	Dec-07						
#11	Mar-08	49	720				
#12	Jun-08	31	750				
#13	Nov-08	39	990				
#14	Feb-09	44	1000				
#15	Jun-09	45	1000				
#16	Sep-09	38	1000				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	MW-31	MW-32				
Confidence Level Calculated?	50.00%	97.20%	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?	-1	12	0	0	0	0
Number of Sampling Rounds?	6	6	0	0	0	0
Average Concentration?	41.00	910.00	NA	NA	NA	NA
Standard Deviation?	6.36	135.94	NA	NA	NA	NA
Coefficient of Variation?	0.16	0.15	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**