Second Quarter 2012
Groundwater Monitoring and Sampling Report

Maryland Square PCE Site
3661 South Maryland Parkway
Las Vegas, Nevada

NDEP Facility ID No. H-000086

ATC Project No. 085.42620.0001

July 30, 2012

Prepared for:

Herman Kishner Trust
c/o Mr. Tom Vandenberg, Esq.
707 Wilshire Boulevard, 45th Floor
Los Angeles, California 90017

Prepared by:

ATC Associates Inc
2925 East Patrick Lane, Suite M
Las Vegas, Nevada 89120
Phone: 702-798-5750
Fax: 702-798-5742

ATC ASSOCIATES INC.
Engineering Individual Solutions

2925 East Patrick Lane
Suite M
Las Vegas, Nevada 89120-2457
702.798.5750
Fax 702.798.5742
www.atcassociates.com

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Herman Kishner Trust
c/o Mr. Tom Vandenberg, Esq.
707 Wilshire Boulevard, 45th Floor
Los Angeles, California 90017

Re: Second Quarter 2012 Groundwater Monitoring and Sampling Report
Maryland Square PCE Site
3661 South Maryland Parkway
Las Vegas, Nevada
NDEP Facility ID No. H-000086

Dear Mr. Vandenberg:

ATC Associates Inc. (ATC) is submitting this report documenting the results of a recent quarterly groundwater monitoring event conducted at the Maryland Square PCE Site (site). The groundwater monitoring was conducted to evaluate dissolved chlorinated ethenes, specifically tetrachloroethene (PCE), detected in the soil and groundwater in the vicinity of the above referenced site in accordance with requests from the Nevada Division of Environmental Protection (NDEP).

Work Performed Second Quarter 2012

ATC is currently performing quarterly monitoring and sampling of 38 of the 38 site groundwater monitoring wells.

Current Phase of Project:	Monitoring and Sampling / Limited Remediation
Frequency of Sampling:	Groundwater: Semi-annual
Frequency of Monitoring:	Groundwater: Semi-annual
Purge Water Removed This Quarter:	190 liters
Approximate Depth to Groundwater:	20.01 ft btoc
Groundwater Gradient:	MSSC: 0.051 feet/foot Boulevard Mall: 0.017 feet/foot Residential and Golf Course Area: 0.011 feet/foot Site Monitoring Network: 0.015 feet/foot
Groundwater Flow Direction:	Site Monitoring Network: East
Groundwater Change Since Fourth Quarter 2011:	-0.11 feet
Vertical Gradient (MW-1 and MW-9):	Downward: 0.00098 to 0.0016 feet/foot
Groundwater Analytical Methods:	VOCs by EPA 8260B
Average PCE Change Since Fourth Quarter 2011:	+2.74%

Historical groundwater elevation data and analytical results are summarized in Table A-1. Current groundwater elevation data and analytical results are summarized in Table A-2. Site figures, including groundwater potentiometric surface and groundwater analytical isoconcentration maps, are included as Figures 1 through 3. Groundwater field sampling forms and laboratory analytical reports are included in Appendix A and B, respectively. The MAROS Statistical Analysis Reports are included in Appendix C.

Background

The following chronology, prepared by others, summarizes the technical development of the site characterization and groundwater monitoring program:

November 2000: ***Phase II Assessment Report***, dated November 28, 2000, and received by NDEP on July 25, 2001.

As the result of a property transaction, subsurface soil and groundwater conditions were investigated along the eastern boundary of the property by advancing one soil boring and converting it into a monitoring well (MW-1). Analysis of water samples collected from MW-1 confirmed PCE concentrations in groundwater at the property exceeded the established U.S. Environmental protection Agency (EPA) primary maximum contamination level (MCL) for PCE in drinking water of 5.0 micrograms per liter (µg/L) or parts per billion (ppb).

November 2000: ***Spill Report***, telephone spill notification made dated November 29, 2000, and received and logged by NDEP on November 29, 2000.

Based on preliminary results obtained from the Phase II field investigation, a spill notification was called into NDEP and a spill report was recorded.

August 2001: ***A through K Report***, dated August 22, 2001, and received by NDEP on September 11, 2001.

Per NDEP requirements, downgradient subsurface soil and groundwater conditions were investigated by advancing 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). Groundwater samples collected from these wells exhibited concentrations of PCE and trichloroethene (TCE) exceeding 5 µg/L, which is the primary MCL for both compounds.

November 2002: ***Additional Soil and Groundwater Investigation Report***, dated November 13, 2002, and received by NDEP on November 18, 2002.

Converse Consultants (Converse) completed an additional soil and groundwater investigation beneath the shopping center building located on the property and on the Boulevard Mall property. Five soil samples were collected from beneath the suite previously occupied by the dry cleaning facility. PCE was detected in four of these five soil samples at concentrations of 110 micrograms per kilogram (µg/kg) or ppb (in two samples), 170 µg/kg, and 15,000 µg/kg. At that time, the EPA Preliminary Remediation Goal (PRG) for PCE in industrial soil was 3,400 ppb, which was the concentration threshold used to compare screen investigation samples. PRGs have now been superseded by Regional Screening Levels (RSL), which are updated and revised biennially in even-numbered years.

Additionally, six groundwater monitoring wells were installed (MW-7 through MW-12) on the property and on the Boulevard Mall property. This additional investigation (1) indicated the presence of PCE in soil beneath the shopping center building, (2) established a lateral PCE boundary location upgradient on the property (MW-12), and (3) established the lateral extent of PCE-contaminated groundwater north of MW-3 on the Boulevard Mall Property.

May 2003: ***Additional Soil and Groundwater Investigation Report***, dated May 16, 2003, and received by NDEP on May 16, 2003.

An additional well (MW-13) was installed on the Boulevard Mall property to evaluate the extent of PCE-

contaminated groundwater to the northeast. The boring for well MW-13 was drilled to 29 feet below ground surface (bgs), the water level was measured at 17.25 feet bgs, and a soil sample was collected from the vadose zone at 14 feet bgs. This soil sample contained PCE at a concentration of 45 µg/kg. The groundwater sample collected at this location exhibited a PCE concentration of 2,100 µg/L.

March 2004: ***Well Installation/Slug Testing/Groundwater Monitoring Report – 4 th Quarter 2003 and 1st Quarter 2004***, dated March 26, 2004, and received by NDEP on March 26, 2004.

Subsurface soil conditions were explored by advancing eight soil borings and converting six of the borings into monitoring wells (MW-14 through MW-16 and MW-19 through MW-21). Groundwater samples collected at these locations in January 2004 exhibited dissolved PCE that ranged in concentration from below detection limits (MW-16) to 1,200 µg/L (MW-19).

During the same period, slug tests were performed on seven monitoring wells (MW-2, MW-3, MW-13, MW-15, MW-16, MW-19, and MW-20) to obtain hydraulic parameters required for designing a hydrogen release compound (HRC) groundwater treatment system. Hydraulic conductivities derived using the Bouwer-Rice method ranged from 1.9 to 17 feet per day, while those derived via the Hvorslev Method ranged from 0.8 to 6.4 feet per day.

February 2004: ***Correspondence from Dickerson, Dickerson, Consul & Pocker***, dated February 27, 2004, and received by NDEP on March 1, 2004.

Al Phillips the Cleaner (APTC) accepted responsibility for the release and assumed control of assessment activities from the Trust after which all site characterization and monitoring work was conducted by URS Corporation (URS). During this time, Converse was retained to review documents prepared by URS on behalf of the Trust.

July 2005: ***Report – Subsurface Investigation June 2005***, dated July 2005, and received by NDEP on July 11, 2005.

URS completed an additional soil and groundwater investigation and an investigation of the soil beneath the shopping center building located at the site. Seven soil borings (B-5 through B-12) were advanced at locations within the suite previously occupied by the dry cleaning facility. Soil samples were collected at 5-foot intervals from borings B-6 through B-10 to a total depth of 15 feet bgs, and at 2.5 and 3.5 feet bgs at boring locations B-11 and B-12.Three soil samples collected at B-8 (5 feet bgs) and B-10 (10 and 15 feet bgs) contained PCE concentrations above the industrial PRG (relevant at that time) of 3,400 ppb. In addition, five groundwater monitoring wells were installed on the property and in the residential neighborhood east of the Boulevard Mall (MW-17, MW-18, and MW-22 through MW-24).

April 2006: ***Report – Quarterly Groundwater Sampling and Additional Monitor Well Installation***, dated April 25, 2006, and received by NDEP on April 27, 2006.

Two additional groundwater monitoring wells (MW-26 and MW-27) were installed in March 2006 at locations representing the eastern end of the residential neighborhood. PCE concentrations of 730 and 220 µg/L in groundwater were observed at wells MW-26 and MW-27. TCE concentrations were reported to be below method detection limits.

February 2007: ***Source Area Soil Assessment***, dated February 23, 2007.

URS advanced 17 soil borings at the property to collect and analyze additional subsurface soil samples to

refine the source area soil assessment. The report compiled analytical data profiling 24 soil samples collected from 12 borings advanced within the source area in 2002 and 2005, with new analytical data generated from 53 soil samples collected at 17 additional boring locations cited within the source area. A total of 77 subsurface soil data points representing conditions within the source area at the site were considered for assessment of soil in the source area, and URS proposed a remedial method, schedule, and site-specific cleanup level based on the examination of the derived data population.

April 2007: ***Report of Off-Site Soil Vapor Assessment*** , dated April 13, 2007.

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. Soil vapor concentrations measured at total depth reportedly ranged from below method detection limits at soil vapor boring (SVB)-2, and 11 to 170,000 micrograms per cubic meter (µg/m ^{3}) at SVB-14.

September 2007: **Correspondence Issued from NDEP**, dated September 10, 2007.

Groundwater sampling procedures were changed for the project from a three volume purge-and-sample method to low-flow sampling using ASTM International (ASTM) D6771-02.

November 2007: ***Installation of Downgradient Groundwater Monitoring Wells*** , dated November 26, 2007.

URS installed three monitoring wells (MW-28 through MW-30) within the residential area in October 2007. These wells expanded the groundwater monitoring network farther to the eastern and south-southeastern portions of the residential area. PCE concentrations in groundwater samples collected from these wells ranged from 2.5 µg/L at monitoring well location MW-29 to 74 µg/L at monitoring well location MW-30. TCE concentrations were reported to be below method detection limits.

March 2008: ***Installation of Additional Downgradient Groundwater Monitoring Wells*** , dated March 24, 2008.

URS constructed three additional groundwater monitoring wells (MW-31 through MW-33), two of which bounded the east portion of the residential area, and the third bounded the east-northeast portion of the residential area. PCE concentrations in groundwater samples collected from these new wells ranged from 2.4 µg/L at monitoring well location MW-33 to 720 µg/L at monitoring well location W-32. TCE concentrations were reported to be below method detection limits.

July 2008: ***Notice of Hearing to Consider First Day of Pleadings (Chapter 11)*** , undated and received by NDEP on July 8, 2008.

APTC declared bankruptcy and URS discontinued work at the site. Converse, on behalf of the Trust, resumed quarterly monitoring, supported the litigation work, and prepared a remediation scope of work.

July 2010: ***Quarterly Groundwater Monitoring Report – 2nd Quarter 2010***, dated July 23, 2010, and received by NDEP electronically on July 23, 2010.

Field activities and responsibilities were transferred from Converse to Tetra Tech EM Inc. (Tetra Tech) during the second quarter of 2010. Groundwater monitoring protocol and procedures used by Converse and accepted by NDEP were generally continued to maintain data consistency.

October 2010: ***Quarterly Groundwater Monitoring Report – 3rd Quarter 2010***, dated October 22, 2010, and received at NDEP electronically on October 22, 2010; resubmitted with NDEP-requested modifications December 21, 2010.

December 2010: ***Permanent Injunction Governing the Clean Up of Hazardous Substances at and Emanating from Maryland Square Shopping Center***, dated December 27, 2010, and received by NDEP on November 18, 2002.

The injunction dictated the schedule for remediation of the source area and groundwater at the site. It also decreed that groundwater monitoring should continue based on the previously defined NDEP schedule.

January 2011: ***Quarterly Groundwater Monitoring Report – 4th quarter 2010***, dated January 21, 2011, and received at NDEP electronically on January 21, 2011.

February 2011: ***Draft Plan for mitigation of Indoor Air and Well Water*** , dated February 28, 2011, and received at NDEP electronically on February 28, 2011.

This work plan describes indoor air monitoring and additional groundwater characterization required by the permanent injunction delineates the PCE plume to 5 µg/L.

April 2011: ***Quarterly Groundwater Monitoring Report – 1st Quarter 2011***, dated April 20, 2011, and received at NDEP electronically on April 20, 2011.

June 2011: ***Draft Plan for Mitigation of Indoor Air and Well Water*** , dated June 28, 2011, and received at NDEP electronically on April 20, 2011.

This work plan incorporated NDEP comments on the previously submitted draft.

July 2011: ***Quarterly Groundwater Monitoring Report – 3rd Quarter 2011***, dated July 28, 2011, and received at NDEP electronically on July 28, 2011.

August 2011: ***Addendum to the Draft Work Plan for Mitigation of Indoor Air and Well Water***, dated August 15, 2011, and received at NDEP electronically on August 15, 2011.

This addendum incorporated NDEP comments on the previously submitted draft.

Groundwater monitoring and sampling responsibilities transferred from Tetra Tech to ATC Associates Inc. for the fourth quarter of 2011.

Well Abandonment

Communications between NDEP and the Trust concluded that well MW-4 is no longer fit for sampling because of an obstruction and should be properly abandoned. Monitoring well MW-4 is therefore no longer sampled as part of this program and was abandoned. ATC personnel supervised the abandonment of the two-inch diameter monitoring well on June 8, 2012. A State of Nevada licensed driller from Cascade Drilling was contracted to abandon the wells. The well was abandoned in accordance with the NDWR Regulations for Water Well and Related Drilling (NAC 534). The licensed driller attempted to extract the blank casing and screen from the monitoring well but was unsuccessful. The casing of the well was then pressure grouted with cement to a depth of approximately 1.5 feet bgs. A concrete seal was installed from

1.5 feet bgs to the surface. The well box and associated concrete were removed and transported offsite by Cascade for disposal.

Groundwater Well Vault Maintenance

Based on the observations from previous sampling events, ATC replaced the well vaults throughout the Boulevard Mall property (3600 South Maryland Parkway). ATC contracted Cascade Drilling to perform the replacement of thirteen well vaults. The work took place from June 4 th through June 7th and new 12-inch square well vaults with locking lids were installed. The well vaults replaced were MW-2, MW-3, MW-5, MW-6, MW-10, MW-11, MW-13, MW-14, MW-15, MW-16, MW-19, MW-20, and MW-21. All well casings on the property were resurveyed after the well vault construction.

Well vaults were also replaced at 3661 South Maryland Parkway. On July 17, ATC contracted Eagle Drilling as they replaced four well vaults that had been damaged or were no longer secure. The damaged well vaults were replaced with eight inch, circular well vaults. The well vaults that were replaced were from wells MW-1, MW-8, MW-9, and MW-12.

New Well Installation

A total of six monitoring wells have been installed since the 4 th Quarter of 2011.

Tetra Tech conducted the installation of wells MW-34 and MW-35 sometime in early December 2011 subsequent to excavation activities. Both wells are located on the property at 3661 South Maryland Parkway, west of the Boulevard Mall. ATC has requested the boring logs for both wells, but has not yet received the logs from Tetra Tech. The PCE concentrations from MW-34 and MW-35 for the last sampling event were 830 µg/L and 560 µg/L respectively.

Tetra Tech conducted the installation of wells MW-36 and MW-37 on January 9 through January 10, 2012. Both wells were drilled to a total depth of 38 feet with a screen interval from 17 to 37 feet bgs. MW-36 was installed on Maricopa Way in a residential neighborhood, just west of Spencer Street. The PCE concentration from the last sampling event was detected at 130 µg/L. MW-37 was installed on Pueblo Way to the east of the golf course. The PCE concentration from the last sampling event was detected at 34 µg/L.

ATC conducted the installation of wells MW-38 and MW-39 on April 26 through April 28, 2012. Both wells were drilled to a total depth of 35 feet with a screen interval from 15 to 35 feet bgs. MW-38 was installed on Pacific Street to the east of the Somerset Academy at 2525 Emerson Street. A PCE concentration of 5.8 µg/L was detected during the last sampling event. MW-39 was installed in the parking lot of the Ruby S. Thomas Elementary School. The school is located to the east of the Boulevard Mall and south of Commanche Drive. The PCE concentration from the last sampling event was detected at 250 µg/L.

Boring logs are included in Appendix D.

Groundwater Monitoring and Sampling

Based on the observed site conditions, NDEP has directed monitoring of the site-related groundwater monitoring well network as outlined in its response letter to the Converse report titled "Groundwater Monitoring Report, 3rd Quarter 2009, Maryland Square Shopping Center," dated December 22, 2009.

Based on the accepted schedule for the second quarter 2012 sampling event, which prescribes sampling at each of the 38 site-related active monitoring wells, each well was sampled to record groundwater

characteristics and quantify volatile organic compound (VOC) concentrations. Depth to groundwater measurements were collected at active monitoring well locations.

As per agreement with NDEP, select monitoring wells are sampled in 2012 on a quarterly, semi-annual, or annual basis. The sampling schedule is based on the relative PCE concentrations detected in individual monitoring wells in addition to the proximity of a monitoring well to the ascertained plume area. The 2012 sampling schedule has been modified and approved by NDEP.

The NDEP approved 2012 annual sampling schedule for monitoring wells included in the groundwater monitoring program is:

- First Quarter – MW-1, MW-5, MW-6, MW-9, MW-14, MW-17, MW-27, MW-34, MW-35, MW-36, and MW-37 (plus any newly installed wells)

- Second Quarter – MW-1, MW-2, MW-5, MW-6, MW-7, MW-8, MW-9, MW-12, 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-33, MW-34, MW-35, MW-36, MW-37, MW-38, and MW-39

- Third Quarter – MW-1, MW-5, MW-6, MW-9, MW-14, MW-27, MW-30, MW-34, MW-36, MW-37, MW-38, and MW-39 (plus any newly installed wells)

- Fourth Quarter – MW-1 through MW-39 (plus any newly installed wells). Well MW-4 was discontinued from the analytical program due to an obstruction and abandoned.

MW-30 was added to the Third Quarter sampling event due to the increasing trend found from the MAROS Linear Regression analysis.

The groundwater monitoring procedures are consistent with the protocol presented by URS in its August 2007 letter and accepted by NDEP in its September 10, 2007 letter. The prescribed groundwater monitoring protocol used at the site was revised to employ the ASTM D6771-02 method in the fourth quarter of 2007. This sampling method relies on low flow pumping that moderates the velocity of water entering the pump intake from the formation pore water surrounding the well. Minimized stress and turbulence within the water-bearing unit during pumping allows collection of groundwater samples generally considered more representative of water quality in the formation than the conventional method, which calls for excavation of three well volumes of groundwater using downhole pumps or bailers.

Groundwater parameters (i.e., pH, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), electrical conductivity, and turbidity) were measured to evaluate the entrance of actual formation water into the well. For consistency with previous events, ATC placed the inlet of the pump in the middle of the saturated zone for each well (between top of groundwater and bottom of well). Groundwater was pumped at a flow rate of 0.25 L/min. Following the stabilization of groundwater parameters, the pump rate was lowered to minimize turbulence and groundwater was transferred to clean laboratory-supplied 40-milliliter glass volatile organic analysis vials (VOAs), sealed, labeled, and placed in a cool environment for transport to an NDEP-certified laboratory for analysis.

Decontamination procedures were performed throughout sampling. The pump, water level meter, and field meter probe were decontaminated after sampling each well. Purge water generated during the sampling of the monitoring wells was containerized in a properly labeled steel 55-gallon drum and stored onsite pending off-site disposal.

ATC submitted the collected groundwater samples to an NDEP-certified analytical laboratory for the analysis of volatile organic compounds (VOCs) using U.S. Environmental Protection Agency (EPA) Method 8260B. Groundwater data collected during this sampling event are summarized in Table 1 and Table A-1. Monitoring and sampling field sheets are included in Appendix A.

Deviations

Trip, field, and equipment blanks were sent to the lab along with the groundwater samples collected at each monitoring well in order to insure quality control. ATC also collected duplicate groundwater samples from monitoring wells MW-11, MW-18, MW-26, and MW-27.

Laboratory analysis of each groundwater sample produced quantitative data within quality assurance standards. Surrogate compound recoveries associated with each field sample consistently verified proper analytical technique. No laboratory quality control data were flagged outside of established tolerances. The analytical data on water quality for the second quarter were accepted as representative of actual site conditions.

Groundwater Conditions

Groundwater elevations for this sampling event are summarized in Table 1, while historical groundwater data are summarized in Table A-1. Depths to groundwater in the wells sampled during this quarterly event ranged from 13.80 feet bgs (MW-18) to 28.51 feet bgs (MW-16). The average groundwater elevation exhibited an average decrease of 0.08 feet across the site compared with the Fourth Quarter 2011 groundwater monitoring event. Based on the second quarter results, the local hydraulic gradient across the site (the property and associated properties) is calculated at 0.013 and is generally toward the east. Groundwater elevation contours are depicted on Figure 2.

DO readings for MW-1 through MW-39 ranged from 0.86 to 7.54 milligrams per liter (mg/L). ORP readings for MW-1 through MW-39 ranged from -283.0 to 136.0 millivolts (mV). MW-10 had an ORP reading of -283.0 mV). This well has shown historically high negative readings which may indicate localized area of anaerobic conditions.

Groundwater Analytical Results

On June 11th, 2012 through June 14th, 2012, ATC mobilized to the site to obtain groundwater samples from the existing Maryland Square Shopping Center groundwater monitoring wells in the immediate vicinity of the site (Figure 2 and Figure 3).

Groundwater samples were submitted to Advanced Technologies Laboratory (ATL) of Las Vegas, Nevada, an NDEP-certified laboratory, for the analysis of VOCs using EPA method 8260B.

The laboratory analytical results compared with qualitative changes in groundwater elevation and concentrations are summarized in Table 1. Laboratory analytical reports are provided in Appendix B.

Table 1
Groundwater Elevations, Current PCE/TCE Concentrations, and PCE/TCE Change, Second Quarter 2012 vs Fourth Quarter 2011

Well ID	Depth to Groundwater Level (feet)	Groundwater Elevation (feet amsl)	PCE (µg/L)	TCE (µg/L)	Change in Groundwater Elevation (feet)	Change in PCE (%)	Change in TCE (%)
MW-1	19.18	1972.83	410	ND	+0.47	0.00	N/A*
MW-2	19.11	1964.42	490	2	-0.47	-19.67	-4.76
MW-3	20.43	1963.38	25	ND	-0.68	56.25	N/A*
MW-5	19.25	1969.44	520	2.5	-0.49	-3.70	0.00
MW-6	19.71	1968.41	1,700	8.5	-0.32	-41.38	-29.17
MW-7	17.78	1972.00	10	ND	-0.36	12.36	N/A[2]
MW-8	19.32	1972.39	3.5	ND	-1.56	N/A[2]	N/A[2]
MW-9	19.45	1972.80	5.7	ND	+0.46	1.79	N/A[2]
MW-10	21.76	1961.52	0.9	ND	-0.64	N/A[2]	N/A[2]
MW-11	27.37	1952.50	1.4	ND	-0.43	0.00	N/A[2]
MW-12	15.37	1980.58	1.2	ND	+0.03	26.32	N/A[2]
MW-13	18.45	1964.86	1,500	3.7	-0.65	-11.76	54.17
MW-14	18.71	1968.62	1,400	2.5	-0.52	-17.65	0.00
MW-15	16.70	1966.04	4.2	ND	-1.04	20.00	N/A[2]
MW-16	28.51	1952.02	ND	ND	-0.42	N/A[2]	N/A[2]
MW-17	19.09	1971.95	260	ND	0.51	-25.71	N/A[2]
MW-18	13.80	1949.10	1,300	3.4	-0.37	18.18	3.03
MW-19	27.88	1952.25	1,000	3.5	-0.49	-9.09	-16.67
MW-20	27.62	1952.20	660	2.1	-0.40	-17.50	10.53
MW-21	26.77	1952.48	9.4	ND	-0.59	-27.69	N/A[2]
MW-22	28.05	1947.14	0.58	ND	-0.04	5.45	N/A[2]
MW-23	17.83	1944.62	950	2.3	-0.26	-13.64	-4.17
MW-24	15.49	1945.33	1.3	ND	-0.28	36.84	N/A[2]
MW-25	21.06	1938.23	640	0.88	-1.88	-13.51	7.32
MW-26	19.24	1934.21	740	0.54	-0.55	7.25	-11.48
MW-27	14.46	1929.69	440	0.97	+2.78	15.79	-25.38
MW-28	15.30	1927.77	0.73	ND	-0.77	17.74	N/A[2]
MW-29	13.99	1918.36	ND	ND	-0.04	N/A[2]	N/A[2]
MW-30	21.42	1919.17	84	0.73	-1.92	121.05	N/A[2]
MW-31	18.37	1919.29	44	0.52	-0.71	-24.14	N/A[2]
MW-32	20.94	1931.96	640	2	-0.62	-8.57	-25.93
MW-33	19.03	1931.95	ND	ND	-0.25	N/A[2]	N/A[2]

MW-34	17.74	1976.14	860	0.97	N/A[1]	-14.00	N/A[1]
MW-35	18.90	1972.47	530	ND	N/A[1]	-15.87	N/A[1]
MW-36	21.26	1934.04	130	ND	-1.75	-18.75	N/A[1]
MW-37	19.10	1910.88	34	ND	-0.29	-5.56	N/A[1]
MW-38	14.80	1893.58	4.6	ND	-0.25	26.09	N/A[1]
MW-39	25.38	1942.17	220	0.63	-0.77	13.64	N/A[1]

Notes: [1]Unable to evaluate change due to lack of data from previous quarter
[2]Unable to evaluate change due to one or both quarter's concentration reported below laboratory detection limits
ND: Not Detected-Laboratory PQL=<0.50 µg/L - Decrease in concentration or elevation
Amsl: Above Mean Sea Level + Increase in concentration or elevation

The groundwater locations selected for quarterly monitoring represent groundwater conditions at the source area, east and west of Boulevard Mall, adjacent to and beneath the residential neighborhood, and western and eastern portions of the nearby golf course. The range of groundwater elevations spanned from 1893.33 feet above mean sea level (amsl) (MW-38) to 1980.58 feet amsl (MW-12). Groundwater elevations are summarized in Tables 1, 1-A, and 2-A.

Groundwater elevations generally decreased across the site (with the exception of MW-1, MW-9, MW-12, MW-17, and MW-27) compared with the fourth quarter (November) 2011 data. The second quarter monitoring area groundwater gradient of 0.0147 vertical feet per horizontal foot, with a flow direction generally toward the east (Figure 2), is fairly consistent with groundwater gradients measured in the fourth quarter of 2011 of 0.0134. Application of a large volume of irrigation water at the golf course, especially during summer months, may influence water elevation in shallow groundwater measured in the monitoring wells. This influence is historically observed in MW-27, MW-28, MW-30, MW-31, MW-32, and MW-33.

PCE was detected in the groundwater samples collected from monitoring wells MW-1 through MW-15 (with the exception of MW-4), MW-17 through MW-28, MW-30 through MW-32, and MW-34 through MW-39, at concentrations ranging from 0.58 µg/L (MW-22) to 1,700 µg/L (MW-6). PCE concentrations identified by the laboratory in the groundwater samples collected from all wells exceeded the maximum contaminant levels (MCL) for PCE in groundwater of 5 µg/L with the exception of MW-8, MW-10, MW-11, MW-12, MW-15, MW-22, MW-24, and MW-28 with concentrations of 3.5 µg/L, 0.9 µg/L, 1.4 µg/L, 1.2 µg/L, 4.2 µg/L, 0.58 µg/L, 1.3 µg/L, and 0.73 µg/L, respectively (Table 1).

PCE was not detected at wells MW-16, MW-29, or MW-33.

Duplicate samples were collected from MW-11, MW-18, MW-26, and MW-27. In MW-11, concentrations of PCE were measured at 1.4 µg/L and 1.2 µg/L, a relative percent difference (RPD) of 15.38%. In MW-18, PCE concentrations were measured at 1,300 µg/L and 1,300 µg/L, a RPD of 0%. In MW-26, PCE concentrations were measured at 740 µg/L and 750 µg/L, a RPD of 1.34%. In MW-27, PCE concentrations were measured at 440 µg/L and 450 µg/L, a RPD of 2.25%. The duplicate sample results do not show significant statistical variation based on the levels of the concentrations.

PCE concentrations increased an average of 1.6% in the monitoring wells sampled compared with the previous full sampling event in Fourth Quarter 2011.

Trichloroethene (TCE) was detected at concentrations ranging from 0.52 µg/L to 8.5 µg/L in the groundwater samples collected from wells, MW-2, MW-5, MW-6, MW-13, MW-14, MW-18 through MW-20, MW-23, MW-25 through MW-27, MW-30 through MW-32, MW-34, and MW-39. The detected

concentrations were below the MCL for TCE in groundwater of 5 µg/L, with the exception of MW-6 (8.5 µg/L).

Cis-1,2-dichloroethene (DCE) was detected in monitoring wells MW-2, MW-5, and MW-6 at concentrations of 0.60 µg/L, 2.0 µg/L, and 5.4 µg/L, respectively. The detected concentrations were below the MCL for DCE in groundwater of 70 µg/L.

Vinyl chloride (VC) was not detected at concentrations in excess of laboratory detection levels (0.50 µg/L). The lack of detectable VC indicates that reductive dechlorination is not occurring within the monitoring zone.

Mann-Kendall and Linear Regression Statistical Analyses

A statistical trend analysis was conducted using Air Force Center for Environmental Excellence (AFCEE) Monitoring and Remediation Optimization System Software (MAROS). Statistical output from the MAROS software includes but is not limited to linear regression and Mann-Kendall statistics summaries presenting the results of parametric and nonparametric statistical test methods.

The linear regression analysis is intended to identify the trend in data through estimation of the log slope, to place confidence limits on the log slope of the trend (the fit of predicted values to observed values), and to determine the standard error of the slope (standard deviation). Positive log slopes indicate an increase in constituent concentrations over time, whereas negative values indicate a decrease in constituent concentrations over time. The coefficient of variation (COV) is the statistical measure of how the individual data points vary about the mean value. Values less than 1.00 indicate data are relatively clustered about the mean value, while values larger than 1.00 indicate a greater degree of scatter. The confidence in trend is the statistical probability that the constituent concentration is increasing (In slope > 0) or decreasing (In slope < 0).

The Mann-Kendall test is a non-parametric statistical procedure for analyzing trends in data over time and is suitable for analyzing data that do not follow a normal distribution and that may include irregular sampling intervals and missing data. Results of non-parametric test methods are not biased by the overall magnitude of outlier data points, but depend on the ranking of individual data points against the null hypothesis (H_0), which is that "there is no trend." Positive Mann-Kendall statistic values (S) indicate an increase in constituent concentrations over time, whereas negative values indicated decreasing concentrations. Larger positive or negative values indicate the strength or relative confidence in the trend.

The MAROS Mann-Kendall decision matrix is defined as follows:

Mann-Kendall Statistics (S)	**Confidence in Trend (%)**	**Concentration Trend**
$S > 0$	>95%	Increasing (I)
$S > 0$	90 - 95%	Probably Increasing (PI)
$S > 0$	<90%	No Trend (NT)
$S \leq 0$	<90% and $COV \geq 1$	No Trend (NT)
$S \leq 0$	<90% and $COV < 1$	Stable
$S < 0$	90-95%	Probably Decreasing (PD)
$S < 0$	> 95%	Decreasing

The Linear Regression decision matrix is defined as follows:

	Log Slope (Ln Slope)		
Confidence in Trend (%)	**Positive**	**Negative**	
< 90%	No Trend	COV < 1	Stable
		COV > 1	No Trend
90 - 95%	Probably Increasing	Probably Decreasing	
> 95%	Increasing	Decreasing	

Using the Mann-Kendall statistical test using the most recent data, PCE concentrations were:

Status:	**Monitoring Well Locations:**
Increasing (I) at:	MW-5, MW-6, and MW-27
Probably Increasing (PI) at:	None
Stable at:	MW-19 and MW-30
Probably Decreasing (PD) at:	None
Decreasing (D) at:	MW-1, MW-2, MW-9, MW-13, MW-14, MW-17, MW-18, MW-20, MW-23, MW-25, MW-26, MW-28, MW-29, MW-32, and MW-33

Discernible trends based on data representing PCE concentrations at the remaining well locations (MW-3, MW-4, MW-7, MW-8, MW-10, MW-11 MW-12, MW-15, MW-16, MW-21, MW-22, MW-24 and MW-34 through MW-39) were not noted (No Trend; NT) or Not Applicable (NA) because of insufficient data.

Trend assignments based on Linear Regressions indicate PCE concentrations were:

Status:	**Monitoring Well Locations:**
Increasing (I) at:	MW-5, MW-6, MW-27, and MW-30
Probably Increasing (PI) at:	None
Stable at:	None
Probably Decreasing (PD) at:	MW-19
Decreasing (D) at:	MW-1, MW-2, MW-9, MW-13, MW-14, MW-17, MW-18, MW-20, MW-23, MW-25, MW-26, MW-28, MW-29, MW-32 and MW-33

Discernible linear regression trends based on data representing PCE concentrations at the remaining well locations (MW-3, MW-4, MW-7, MW-8, MW-10, MW-11, MW-12, MW-15, MW-16, MW-21, MW-22,

MW-24, MW-31, and MW-34 through MW-39) were not noted (NT) or Not Applicable (NA) because of insufficient data.

Summary reports for both linear regression and Mann-Kendall analyses, as well as linear regression statistical reports that include graphed data for each well location, are included in Appendix C.

Summary and Conclusions

Based on the results of this groundwater sampling event, ATC provides the following summary and conclusions:

- PCE was detected in the groundwater samples collected from monitoring wells MW-1 through MW-15 (with the exception of MW-4), MW-17 through MW-28, MW-30 through MW-32, and MW-34 through MW-39, at concentrations ranging from 0.58 µg/L (MW-22) to 1,700 µg/L (MW-6).

Recommendations

ATC recommends continuing monitoring and sampling of the site monitoring wells in accordance with the NDEP approved 2012 schedule.

For your convenience, a copy of this report has been forwarded to the NDEP case officer for review.

Limitations

This report has been prepared for the exclusive use of Herman Kishner Trust, as it pertains to Maryland Square PCE Site located at 3661 South Maryland Parkway, in Las Vegas, Nevada. Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. This company is not responsible for the independent conclusions, opinions, or recommendations made by others based on the records review, site inspection, field exploration, and laboratory test data presented in this report.

It should be noted that all surficial environmental assessments are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation. For these types of evaluations, it is often necessary to use information prepared by others and ATC cannot be responsible for the accuracy of such information. In addition, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties. This report does not warrant against future operations or conditions, nor does it warrant operations or conditions present of a type or at a location not investigated. This report is not a regulatory compliance audit and is not intended to satisfy the requirements of any state, federal, or local real estate transfer laws.

It must be noted that no investigation can absolutely rule out the existence of any hazardous materials at a given site. This assessment has been based upon prior site history, observable conditions, and the subsurface soil sampling described in this report. Existing hazardous materials and contaminants can escape detection using these methods.

Environmental Certification Jurat

This Second Quarter 2012 Groundwater Monitoring Report for Maryland Square PCE Site located at 3661 South Maryland Parkway, Las Vegas, Nevada, has been prepared in accordance with Nevada Administrative Code (NAC), Chapter 459, Section 9717.

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.

If you have any questions or require additional information, please feel free to contact the undersigned at (702) 798-5750.

Sincerely,

ATC Associates Inc.

Adam Katlein
Staff Scientist

Andrew D. Stuart
Senior Project Manager
Nevada Certified Environmental Manager
No. EM-1905 (Expires 01/26/13)

Att:	Tables	Historical Groundwater Gauging and Analytical Data
		Current Groundwater Gauging and Analytical Data
	Figures	Site Vicinity Map
		Groundwater Potentiometric Surface Map
		PCE Isoconcentration Map
	Appendix A	Field Sheets
	Appendix B	Laboratory Analytical Reports
	Appendix C	MAROS Statistical Analysis Reports
	Appendix D	Boring Logs

cc: Dr. Mary Siders, Nevada Division of Environmental Protection-Carson City, Nevada

TABLES

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-1	Aug 00	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2,300	ND	ND	ND
	Oct 00	1991.81	17.54	1974.27	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 02	1992.04	17.90	1974.14	NM	NM	NM	NM	NM	NM	NM	2,000	ND	ND	ND
	May 03	1992.04	18.70	1973.34	NM	NM	NM	NM	NM	NM	NM	870	ND	ND	ND
	Sep 03	1992.04	18.97	1973.07	NM	NM	NM	NM	NM	NM	NM	2,300	ND	ND	ND
	Jan 04	1992.04	19.30	1972.74	7.0	3.5	NM	0.9	22.50	NM	NM	1,700	ND	ND	ND
	May 05	1992.04	15.24	1976.8	7.0	4.0	441.0	5.4	26.00	NM	110	3,500	ND	ND	ND
	Sep 05	1992.04	16.74	1975.3	7.1	4.2	64.0	7.0	27.50	2.7	129	1,700	ND	ND	ND
	Dec 05	1992.04	17.61	1974.43	7.0	5.1	290.0	2.0	26.90	3.2	404	820	ND	ND	ND
	Mar 06	1992.04	18.42	1973.62	NM	5.6	>999	NM	23.10	3.7	545	420	ND	ND	ND
	Jun 06	1992.04	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 06	1992.04	18.30	1973.74	6.3	3.7	81.0	4.6	26.70	2.4	129	1,100	ND	ND	ND
	Dec 06	1992.04	18.88	1973.16	6.7	4.4	>999	5.1	26.90	2.8	111	1,300	ND	ND	ND
	Mar 07	1992.04	20.08	1971.96	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1992.04	19.81	1972.23	7.0	2.3	611.0	6.2	25.70	1.4	468	450	ND	ND	ND
	Sep 07	1992.04	18.39	1973.65	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1992.04	19.01	1973.03	6.4	3.9	15.0	5.5	22.20	2.5	223	710	ND	ND	ND
	Mar 08	1992.04	20.03	1972.01	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1992.04	NM	NM	NM	NM	NM	NM	NM	NM	NM	260	ND	ND	ND
	Oct 08	1992.01	19.82	1972.19	6.6	3.7	62.4	1.1	27.10	2.4	130	460	ND	ND	ND
	Feb 09	1992.01	19.65	1972.36	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1992.01	19.88	1972.13	7.1	3.7	39.6	1.6	26.20	2.4	101	NS	NS	NS	NS
	Jul 09	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	590	ND	ND	ND
	Sep 09	1992.01	19.90	1970.11	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1992.01	20.33	1971.68	6.3	3.4	-10.0	1.5	26.90	2.2	126	390	ND	ND	ND
	Feb 10	1992.01	20.04	1971.97	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1992.01	19.98	1972.03	7.0	3.3	0.0	3.2	26.13	NM	NM	400	ND	ND	ND
	Oct 10	1992.01	19.44	1972.57	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1992.01	19.54	1972.47	6.7	3.5	1.2	1.4	27.56	NM	212	430	ND	ND	ND
	Mar 11	1992.01	20.10	1971.91	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1992.01	20.18	1971.83	7.2	3.6	0.0	1.7	25.58	NM	259	460	ND	ND	ND
	Sep 11	1992.01	19.85	1972.16	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1992.01	19.65	1972.36	7.0	3.4	NM	1.3	25.97	2.2	266	410	ND	ND	ND
	Mar 12	1992.01	20.41	1971.60	7.2	3.5	5.4	1.3	25.48	2.3	-70	370	NS	NS	NS
	Jun 12	1992.01	19.18	1972.83	7.3	3.5	15.9	3.0	25.97	2.3	90	410	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-2	Oct 00	1983.79	15.52	1968.27	NM	NM	NM	NM	NM	NM	NM	3,000	18.0	18.0	ND
	Sep 02	1983.99	16.62	1967.37	NM	NM	NM	NM	NM	NM	NM	3,000	13.0	13.0	ND
	May 03	1983.99	17.15	1966.84	NM	NM	NM	NM	NM	NM	NM	1,400	ND	ND	ND
	Sep 03	1983.97	17.70	1966.27	NM	NM	NM	NM	NM	NM	NM	1,700	ND	ND	ND
	Jan 04	1983.97	18.25	1965.72	7.1	3.1	NM	1.1	23.20	NM	NM	1,700	ND	ND	ND
	May 05	1983.97	14.65	1969.32	6.9	3.5	698.0	4.8	23.40	NM	193	2,050	17.0	9.7	ND
	Dec 05	1983.97	16.00	1967.97	6.6	4.8	360.0	2.7	25.40	3.1	264	2,900	ND	ND	ND
	Mar 06	1983.97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1983.97	17.55	1966.42	NM	3.7	728.0	7.0	24.90	2.4	116	1,600	ND	ND	ND
	Oct 06	1983.97	17.25	1966.72	6.1	3.5	20.0	5.1	24.40	2.2	161	1,900	ND	ND	ND
	Dec 06	1983.97	17.60	1966.37	6.8	4.2	28.0	4.9	24.50	2.7	241	1,300	ND	ND	ND
	Mar 07	1983.97	18.84	1965.13	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1983.97	19.01	1964.96	7.0	3.5	539.0	5.7	24.40	2.3	305	1,400	ND	ND	ND
	Sep 07	1983.97	17.94	1966.03	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1983.97	18.04	1965.93	6.3	3.6	144.0	6.9	21.80	2.3	314	1,000	ND	ND	ND
	Mar 08	1983.97	18.82	1965.15	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1983.97	NM	NM	NM	NM	NM	NM	NM	NM	NM	900	ND	ND	ND
	Oct 08	1983.97	18.54	1965.43	6.9	3.5	44.7	3.4	24.80	2.3	103	960	3.4	1.2	ND
	Feb 09	1983.97	18.68	1965.29	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1983.97	18.95	1965.02	7.0	3.7	15.4	1.9	24.50	2.4	116	880	3.2	1.1	ND
	Sep 09	1983.97	18.95	1965.02	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1983.97	19.32	1964.65	5.6	3.3	280.0	1.9	24.40	2.1	155	530	2.4	ND	ND
	Feb 10	1983.97	19.68	1964.29	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1983.97	19.08	1964.89	7.0	3.1	14.8	3.5	24.19	NM	NM	570	2.1	0.8	ND
	Oct 10	1983.97	18.76	1965.21	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1983.97	18.78	1965.19	6.9	3.4	32.8	3.0	24.11	NM	92	560	2.4	0.7	ND
	Mar 11	1983.97	19.19	1964.78	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1983.97	19.50	1964.47	7.2	3.4	25.9	2.6	24.47	NM	273	680	2.2	0.6	ND
	Sep 11	1983.97	19.11	1964.86	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1983.97	19.08	1964.89	7.0	3.3	NM	2.7	23.55	2.1	168	610	2.1	0.66	NS
	Mar 12	1983.97	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1983.53	19.11	1964.42	7.2	3.3	57.1	2.6	23.57	2.2	87	490	2	0.6	ND

Table A-1
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Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-3	Oct 00	1984.19	15.95	1968.24	NM	NM	NM	NM	NM	NM	NM	98	ND	ND	ND
	Sep 02	1984.46	17.20	1967.26	NM	NM	NM	NM	NM	NM	NM	ND	ND	ND	ND
	May 03	1984.46	17.70	1966.76	NM	NM	NM	NM	NM	NM	NM	6.9	ND	ND	ND
	Sep 03	1984.46	18.35	1966.08	NM	NM	NM	NM	NM	NM	NM	12	ND	ND	ND
	Jan 04	1984.46	19.25	1965.18	6.9	2.9	NM	1.0	22.40	NM	NM	6.7	ND	ND	ND
	May 05	1984.46	15.22	1969.21	7.0	2.9	NM	2.5	26.00	NM	149	ND	ND	ND	ND
	Dec 05	1984.46	16.45	1967.98	6.6	4.7	100.0	0.9	27.30	3.0	33	ND	ND	ND	ND
	Mar 06	1984.46	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1984.46	18.38	1966.05	NM	3.8	285.0	5.6	26.40	2.4	-32	ND	ND	ND	ND
	Oct 06	1984.46	17.88	1966.55	5.9	3.9	26.0	2.0	26.70	2.5	279	ND	ND	ND	ND
	Dec 06	1984.46	18.26	1966.17	6.7	4.8	272.0	2.9	26.70	3.1	9	1.2	ND	ND	ND
	Mar 07	1984.46	19.86	1964.57	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1984.46	20.23	1964.2	7.1	3.7	605.0	3.6	25.90	2.4	43	ND	ND	ND	ND
	Sep 07	1984.46	18.99	1965.44	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1984.46	18.99	1965.44	6.1	3.9	55.1	2.2	21.90	2.5	135	1.4	ND	ND	ND
	Mar 08	1984.46	19.94	1964.49	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1984.46	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1984.41	19.46	1964.95	6.7	3.8	44.2	0.4	27.50	2.4	99	6.5	ND	ND	ND
	Feb 09	1984.41	19.80	1964.61	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1984.41	20.20	1964.21	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1984.41	20.16	1964.25	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1984.41	20.48	1963.93	6.0	3.8	180.0	1.3	26.60	2.4	143	5.1	ND	ND	ND
	Feb 10	1984.41	21.07	1963.34	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1984.41	13.91	1970.50	6.8	3.5	2.2	2.0	27.36	NM	NM	NS	NS	NS	NS
	Oct 10	1984.41	19.95	1964.46	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1984.41	19.91	1964.50	6.7	3.9	12.5	0.6	27.29	NM	106	5.8	ND	ND	ND
	Mar 11	1984.41	20.47	1963.94	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1984.41	20.86	1963.55	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1984.41	20.45	1963.96	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1984.41	20.35	1964.06	6.7	4.5	NM	3.3	26.17	NM	-38	16	ND	ND	NS
	Mar 12	1984.41	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1983.81	20.43	1963.38	7.0	4.0	102.0	2.6	25.50	2.6	122	25	ND	ND	ND

Table A-1
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Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-4	Oct 00	1989.68	16.95	1972.73	NM	NM	NM	NM	NM	NM	NM	14	ND	ND	ND
	Sep 02	1989.87	NM	NM	NM	NM	NM	NM	NM	NM	NM	25	ND	ND	ND
	May 03	1989.87	18.71	1971.16	NM	NM	NM	NM	NM	NM	NM	24	ND	ND	ND
	Sep 03	1989.85	19.05	1970.8	NM	NM	NM	NM	NM	NM	NM	100	ND	ND	ND
	Jan 04	1989.85	19.86	1969.99	7.0	2.7	NM	1.2	22.00	NM	NM	220	ND	ND	ND
	May 05	1989.85	15.83	1974.02	6.8	3.7	664.0	3.7	24.20	NM	160	25	ND	ND	ND
	Dec 05	1989.85	17.62	1972.23	6.7	4.9	670.0	3.2	25.90	3.1	219	15	ND	ND	ND
	Mar 06	1989.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1989.85	18.36	1971.49	NM	NM	NM	NM	NM	NM	NM	27	ND	ND	ND
	Oct 06	1989.85	18.34	1971.51	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 06	1989.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 07	1989.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1989.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 07	1989.85	18.96	1970.89	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1989.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 08	1989.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1989.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Feb 09	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1989.86	Dry	Dry	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1989.86	Dry	Dry	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1989.86	Dry	Dry	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Feb 10	1989.86	Dry	Dry	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 11	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 12	1989.86	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Abandoned June 4, 2012														

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-5	Oct 00	1988.93	16.20	1972.73	NM	NM	NM	NM	NM	NM	NM	100	ND	ND	ND
	Sep 02	1989.18	17.00	1972.18	NM	NM	NM	NM	NM	NM	NM	110	ND	ND	ND
	May 03	1989.18	17.80	1971.38	NM	NM	NM	NM	NM	NM	NM	240	ND	ND	ND
	Sep 03	1989.18	18.07	1971.11	NM	NM	NM	NM	NM	NM	NM	220	ND	ND	ND
	Jan 04	1989.18	18.65	1970.53	6.7	2.6	NM	1.2	22.30	NM	NM	370	ND	ND	ND
	May 05	1989.18	14.87	1974.31	7.1	2.6	NM	4.6	25.40	NM	184	146	ND	ND	ND
	Dec 05	1989.18	16.80	1972.38	6.8	5.3	>999	1.5	26.80	3.3	377	93	ND	ND	ND
	Mar 06	1989.18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1989.18	17.40	1971.78	NM	3.8	>999	6.9	26.60	2.4	126	220	ND	ND	ND
	Oct 06	1989.18	17.46	1971.72	6.2	3.5	21.0	4.8	26.70	2.2	99	67	ND	ND	ND
	Dec 06	1989.18	18.01	1971.17	6.8	4.5	134.0	5.4	26.50	2.9	93	130	ND	ND	ND
	Mar 07	1989.18	19.30	1969.88	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1989.18	19.12	1970.06	7.0	3.4	375.0	6.5	25.20	2.2	460	550	ND	ND	ND
	Sep 07	1989.18	17.85	1971.33	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1989.18	18.33	1970.85	6.3	3.8	28.3	5.7	24.40	2.4	159	170	ND	ND	ND
	Mar 08	1989.18	19.31	1969.87	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1989.18	NM	NM	NM	NM	NM	NM	NM	NM	NM	400	ND	ND	ND
	Oct 08	1989.15	18.99	1970.16	6.8	3.5	21.4	4.8	27.40	2.3	119	340	2.7	1.2	ND
	Feb 09	1989.15	18.99	1970.16	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1989.15	19.17	1969.98	7.0	3.6	0.0	5.6	26.20	2.3	125	700	4.6	1.3	ND
	Sep 09	1989.15	19.14	1970.01	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1989.15	19.55	1969.6	5.8	3.2	-6.0	3.8	27.10	2.1	132	520	3.9	1.4	ND
	Feb 10	1989.15	19.57	1969.58	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1989.15	19.21	1969.94	7.1	3.1	7.0	6.7	25.60	NM	273	550	2.9	1.3	ND
	Oct 10	1989.15	18.67	1970.48	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1989.15	18.85	1970.30	7.0	5.4	2.0	4.7	25.64	NM	104	360	2.4	1.0	ND
	Mar 11	1989.15	19.41	1969.74	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1989.15	19.50	1969.65	6.9	3.5	14.0	4.9	26.58	NM	412	670	2.7	1.1	ND
	Sep 11	1989.15	19.19	1969.96	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1989.15	19.22	1969.93	6.9	4.0	NM	3.8	25.54	NM	-30	540	2.5	1.1	ND
	Mar 12	1989.15	19.74	1969.41	7.2	3.3	123.0	5.6	23.51	2.4	-38	800	NS	NS	NS
*	Jun 12	1988.69	19.25	1969.44	7.3	3.3	50.1	6.0	25.30	2.1	106	520	2.5	1.2	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-6	Oct 00	1988.72	17.41	1971.31	NM	NM	NM	NM	NM	NM	NM	2,200	13.0	8.1	ND
	Sep 02	1989.01	18.26	1970.75	NM	NM	NM	NM	NM	nM	NM	1,000	41.0	14.0	ND
	May 03	1989.01	18.87	1970.14	NM	NM	NM	NM	NM	NM	NM	710	22.0	ND	ND
	Sep 03	1989.01	19.25	1969.76	NM	NM	NM	NM	NM	NM	NM	1,300	ND	ND	ND
	Jan 04	1989.01	19.74	1969.27	7.0	2.3	NM	1.2	22.40	NM	NM	2,400	ND	ND	ND
	May 05	1989.01	16.21	1972.8	6.9	2.4	NM	2.8	25.90	NM	123	2,090	13.0	11.0	ND
	Sep 05	1989.01	17.26	1971.75	7.0	4.0	34.0	6.2	26.90	2.3	-119	890	13.0	23.0	ND
	Dec 05	1989.01	17.88	1971.13	6.8	4.9	220.0	1.1	26.50	3.2	163	530	41.0	21.0	ND
	Mar 06	1989.01	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1989.01	18.80	1970.21	NM	4.0	707.0	6.3	26.70	2.4	172	1,100	ND	ND	ND
	Oct 06	1989.01	18.73	1970.28	6.3	3.6	7.0	4.1	26.50	2.3	61	1,300	ND	ND	ND
	Dec 06	1989.01	19.18	1969.83	6.7	4.2	96.0	4.4	26.20	2.7	239	810	9.9	8.9	ND
	Mar 07	1989.01	20.40	1968.61	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1989.01	20.28	1968.73	7.1	3.5	352.0	5.6	24.90	2.2	241	1,300	ND	ND	ND
	Sep 07	1989.01	19.00	1970.01	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1989.01	19.29	1969.72	6.2	3.8	4.3	5.4	24.80	2.4	277	1,500	ND	ND	ND
	Mar 08	1989.01	20.26	1968.75	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1989.01	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,900	ND	ND	ND
	Oct 08	1989.03	20.00	1969.03	6.8	3.5	46.3	3.3	26.30	2.3	117	2,000	13.0	3.9	ND
	Feb 09	1989.03	20.03	1969	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1989.03	20.20	1968.83	7.0	3.5	76.3	2.8	26.70	2.2	121	2,800	14.0	4.1	ND
	Sep 09	1989.03	20.27	1968.76	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1989.03	20.66	1968.37	5.9	3.1	87.0	2.5	26.30	1.9	132	2,100	14.0	6.4	ND
	Feb 10	1989.03	20.77	1968.26	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1989.03	20.38	1968.65	7.0	3.0	23.2	4.1	26.32	NM	NM	2,500	13.0	6.2	NS
	Oct 10	1989.03	19.94	1969.09	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1989.03	20.02	1969.01	6.9	3.3	7.0	3.5	25.26	NM	86	2,300	13.0	8.2	ND
	Mar 11	1989.03	20.49	1968.54	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1989.03	20.66	1968.37	7.0	3.3	8.2	3.7	26.52	NM	365	2,400	10.0	3.7	ND
	Sep 11	1989.03	20.30	1968.73	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1989.03	20.30	1968.73	7.0	3.2	NM	3.4	25.16	2.1	113	2,900	12	5.6	ND
	Mar 12	1989.03	20.84	1968.19	7.3	3.2	107.0	4.4	24.30	2.1	-44	3,500	NS	NS	NS
*	Jun 12	1988.12	19.71	1968.41	7.6	3.1	57.1	7.5	27.25	2.0	114	1,700	8.5	5.4	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-7	Sep 02	1990.28	18.27	1972.01	NM	NM	NM	NM	NM	NM	NM	ND	ND	ND	ND
	May 03	1990.28	16.60	1973.68	NM	NM	NM	NM	NM	NM	NM	1.7	ND	ND	ND
	Sep 03	1990.25	16.79	1973.46	NM	NM	NM	NM	NM	NM	NM	2.0	ND	ND	ND
	Jan 04	1990.25	17.32	1972.93	7.0	2.2	NM	0.9	22.40	NM	NM	11	ND	ND	ND
	May 05	1990.25	13.86	1976.39	7.1	1.8	NM	4.0	24.80	NM	129	ND	ND	ND	ND
	Sep 05	1990.25	14.97	1975.28	7.0	4.6	140.0	6.2	26.60	3.0	144	3.3	ND	ND	ND
	Dec 05	1990.25	15.45	1974.80	6.7	5.3	5.0	1.8	23.80	3.4	472	1.2	ND	ND	ND
	Mar 06	1990.25	16.41	1973.84	4.7	6.7	428.0	NM	22.40	4.2	634	1.5	ND	ND	ND
	Jun 06	1990.25	16.50	1973.75	NM	4.1	>999	6.6	26.20	2.6	-14	2.2	ND	ND	ND
	Oct 06	1990.25	16.50	1973.75	6.2	3.7	>999	4.4	25.00	2.3	92	2.9	ND	ND	ND
	Dec 06	1990.25	16.87	1973.38	6.9	4.8	>999	5.7	25.10	3.0	65	2.1	ND	ND	ND
	Mar 07	1990.25	18.19	1972.06	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1990.25	18.08	1972.17	7.1	3.6	450.0	6.3	25.10	2.2	129	1.1	ND	ND	ND
	Sep 07	1990.25	16.31	1973.94	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1990.25	16.60	1973.65	6.2	4.0	0.0	2.3	22.50	2.6	161	1.3	ND	ND	ND
	Mar 08	1990.25	17.93	1972.32	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1990.25	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1990.22	17.57	1972.65	6.6	3.8	204.0	3.5	26.70	2.4	134	2.5	ND	ND	ND
	Feb 09	1990.22	17.52	1972.70	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1990.22	17.92	1972.30	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1990.22	18.13	1972.09	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1990.22	18.50	1971.72	5.8	3.4	46.0	3.2	26.70	2.2	160	7.9	ND	ND	ND
	Feb 10	1990.22	18.36	1971.86	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1990.22	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1990.22	17.54	1972.68	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1990.22	17.65	1972.57	6.9	3.7	230.8	4.9	26.17	NM	98	2.0	ND	ND	ND
	Mar 11	1990.22	18.19	1972.03	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1990.22	18.40	1971.82	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1990.22	18.02	1972.20	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1990.22	17.86	1972.36	7.0	3.5	NM	3.7	25.20	2.2	302	8.9	ND	ND	ND
	Mar 12	1990.22	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1989.78	17.78	1972.00	7.3	3.5	8.0	4.8	27.56	2.3	-42	10	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-8	Sep 02	1994.25	18.55	1975.70	NM	NM	NM	NM	NM	NM	NM	5.4	ND	ND	ND
	May 03	1994.25	19.50	1974.75	NM	NM	NM	NM	NM	NM	NM	3.2	ND	ND	ND
	Sep 03	1994.23	19.55	1974.68	NM	NM	NM	NM	NM	NM	NM	3.7	ND	ND	ND
	Jan 04	1994.23	19.91	1974.32	7.0	2.2	NM	1.0	22.00	NM	NM	4.7	ND	ND	ND
	May 05	1994.23	15.51	1978.72	7.0	1.8	NM	3.6	27.70	NM	107	5.6	5.6	ND	ND
	Dec 05	1994.23	18.48	1975.75	6.7	4.2	>999	2.1	24.10	2.7	483	3.6	ND	ND	ND
	Mar 06	1994.23	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1994.23	18.89	1975.34	NM	3.7	>999	6.9	27.40	2.3	185	2.6	ND	ND	ND
	Oct 06	1994.23	19.12	1975.11	6.2	3.4	>999	5.9	26.70	2.2	108	3.4	ND	ND	ND
	Dec 06	1994.23	19.60	1974.63	6.2	3.4	>999	5.9	26.70	2.2	108	4.3	ND	ND	ND
	Mar 07	1994.23	20.56	1973.67	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1994.23	20.31	1973.92	7.1	3.5	259.0	7.3	27.30	2.3	287	2.8	ND	ND	ND
	Sep 07	1994.23	19.14	1975.09	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1994.23	19.81	1974.42	6.5	3.7	0.0	3.5	25.50	2.4	158	2.8	ND	ND	ND
	Mar 08	1994.23	20.61	1973.62	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1994.23	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1994.22	20.79	1973.43	6.8	3.5	421.0	5.2	26.90	2.2	154	3.7	ND	ND	ND
	Feb 09	1994.22	20.29	1973.93	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1994.22	20.44	1973.78	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1994.22	20.41	1973.81	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1994.22	20.71	1973.51	6.7	3.2	450.0	5.0	26.80	2.0	133	2.8	ND	ND	ND
	Feb 10	1994.22	20.86	1973.36	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1994.22	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1994.22	19.68	1974.54	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1994.22	19.94	1974.28	7.0	3.5	39.5	5.3	26.65	NM	98	4	ND	ND	ND
	Mar 11	1994.22	20.41	1973.81	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1994.22	20.50	1973.72	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1994.22	20.27	1973.95	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 12	1994.22	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1991.71	19.32	1972.39	7.4	3.2	93.1	6.6	27.55	2.1	17	3.5	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-9	Sep 02	1992.26	18.46	1973.80	NM	NM	NM	NM	NM	NM	NM	670	ND	ND	ND
	May 03	1992.26	19.15	1973.11	NM	NM	NM	NM	NM	NM	NM	59	ND	ND	ND
	Sep 03	1992.26	19.02	1973.24	NM	NM	NM	NM	NM	NM	NM	9.2	ND	ND	ND
	Jan 04	1992.26	19.05	1973.21	7.0	2.5	NM	1.2	22.60	NM	NM	10	ND	ND	ND
	May 05	1992.26	15.36	1976.90	7.1	2.7	296.0	7.6	26.10	NM	130	353	ND	ND	ND
	Sep 05	1992.26	17.85	1974.41	7.2	1.8	4.0	6.6	27.10	1.2	111	64	ND	ND	ND
	Dec 05	1992.26	17.68	1974.58	6.9	2.5	33.0	2.5	26.60	1.6	123	190	ND	ND	ND
	Mar 06	1992.26	18.55	1973.71	5.1	2.1	>999	NM	25.90	1.3	496	ND	ND	ND	ND
	Jun 06	1992.26	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 06	1992.26	18.40	1973.86	6.3	2.4	0.0	4.1	25.70	1.5	86	160	ND	ND	ND
	Dec 06	1992.26	19.00	1973.26	6.8	3.0	0.0	5.1	25.50	1.9	233	45	ND	ND	ND
	Mar 07	1992.26	20.19	1972.07	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1992.26	19.95	1972.31	7.1	2.5	0.0	5.6	26.10	1.6	428	170	ND	ND	ND
	Sep 07	1992.26	18.51	1973.75	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1992.26	19.20	1973.06	NM	NM	NM	NM	NM	NM	NM	110	ND	ND	ND
	Mar 08	1992.26	20.16	1972.10	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1992.26	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1992.25	19.87	1972.38	7.0	1.4	162.0	4.7	26.60	0.9	58	12	ND	ND	ND
	Feb 09	1992.25	19.76	1972.49	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1992.25	20.00	1972.25	7.5	1.4	>-5.0	4.0	26.50	0.8	-9	13	ND	ND	ND
	Sep 09	1992.25	20.20	1972.05	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1992.25	20.45	1971.80	7.0	1.1	-10.0	4.0	26.40	0.7	-157	5.5	ND	ND	ND
	Feb 10	1992.25	20.21	1972.04	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1992.25	20.10	1972.15	7.3	1.2	12.0	5.1	27.67	NM	NM	6.6	ND	ND	ND
	Oct 10	1992.25	19.44	1972.81	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1992.25	19.63	1972.62	7.1	1.2	7.0	3.5	27.31	NM	50	3.7	ND	ND	ND
	Mar 11	1992.25	20.13	1972.12	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1992.25	20.40	1971.85	7.1	1.2	0.4	0.5	31.96	NM	286	2.3	ND	ND	ND
	Sep 11	1992.25	19.99	1972.26	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1992.25	19.91	1972.34	7.3	1.2	NM	2.2	24.70	0.8	265	5.6	ND	ND	ND
	Mar 12	1992.25	20.50	1971.75	7.5	1.2	17.8	1.7	26.86	0.8	-79	5.2	NS	NS	NS
	Jun 12	1992.25	19.45	1972.80	7.6	1.0	13.4	4.7	30.27	0.8	-8	5.7	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-10	Sep 02	1983.81	18.51	1965.30	NM	NM	NM	NM	NM	NM	NM	ND	ND	ND	ND
	May 03	1983.81	18.65	1965.16	NM	NM	NM	NM	NM	NM	NM	ND	ND	ND	ND
	Sep 03	1983.81	19.45	1964.36	NM	NM	NM	NM	NM	NM	NM	15	ND	ND	ND
	Jan 04	1983.81	20.32	1963.49	7.0	3.1	NM	1.0	24.40	NM	NM	ND	ND	ND	ND
	May 05	1983.81	16.76	1967.05	6.8	3.2	25.0	1.5	28.10	NM	-253	ND	ND	ND	ND
	Sep 05	1983.81	16.95	1966.86	7.0	2.9	28.0	3.9	27.90	1.9	-239	ND	ND	ND	ND
	Dec 05	1983.81	17.64	1966.17	6.7	3.7	57.0	1.5	23.90	2.3	-140	ND	ND	ND	ND
	Mar 06	1983.81	19.25	1964.56	5.7	1.8	153.0	NM	21.30	1.2	-154	ND	ND	ND	ND
	Jun 06	1983.81	17.90	1965.91	NM	2.1	>999	3.5	28.10	1.5	-303	ND	ND	ND	ND
	Oct 06	1983.81	19.00	1964.81	6.2	1.4	86.0	1.6	27.10	0.9	-272	ND	ND	ND	ND
	Dec 06	1983.81	19.21	1964.60	6.8	3.9	144.0	3.9	26.60	2.5	-321	1	ND	ND	ND
	Mar 07	1983.81	20.84	1962.97	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1983.81	21.39	1962.42	7.0	3.5	>999	2.7	27.30	2.1	-179	ND	ND	ND	ND
	Sep 07	1983.81	20.38	1963.43	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1983.81	20.26	1963.55	6.9	3.6	0.0	0.6	24.50	2.3	-170	1	ND	ND	ND
	Mar 08	1983.81	21.06	1962.75	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1983.81	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1983.78	20.45	1963.33	6.8	2.9	100.0	0.0	27.70	1.9	-226	ND	ND	ND	ND
	Feb 09	1983.78	20.90	1962.88	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1983.78	21.42	1962.36	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1983.78	21.46	1962.32	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1983.78	21.67	1962.11	6.3	2.6	-10.0	0.2	27.40	1.6	-330	ND	ND	ND	ND
	Feb 10	1983.78	22.47	1961.31	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1983.78	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1983.78	21.23	1962.55	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1983.78	21.10	1962.68	7.1	1.0	1.0	0.1	28.00	NM	-274	ND	ND	ND	ND
	Mar 11	1983.78	21.76	1962.02	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1983.78	22.18	1961.60	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1983.78	21.75	1962.03	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1983.78	21.62	1962.16	6.9	1.3	NM	0.2	26.91	NM	-335	ND	ND	ND	ND
	Mar 12	1983.78	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1983.28	21.76	1961.52	7.4	3.0	11.0	1.0	27.50	2.0	-283	0.9	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-11	Sep 02	1980.24	24.22	1956.02	NM	NM	NM	NM	NM	NM	NM	ND	ND	ND	ND
	May 03	1980.24	24.25	1955.99	NM	NM	NM	NM	NM	NM	NM	ND	ND	ND	ND
	Sep 03	1980.24	25.62	1954.62	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jan 04	1980.24	26.22	1954.02	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	May 05	1980.24	22.55	1957.69	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 06	1980.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1980.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 06	1980.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 06	1980.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 07	1980.24	25.51	1954.73	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1980.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 07	1980.24	26.13	1954.11	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1980.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 08	1980.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1980.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1980.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Feb 09	1980.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1980.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1980.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1980.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Feb 10	1980.21	27.54	1952.67	6.7	3.3	3.0	5.0	24.30	2.1	-134	ND	ND	ND	ND
	Jun 10	1980.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1980.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1980.21	26.69	1953.52	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 11	1980.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1980.21	27.36	1952.85	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1980.21	27.45	1952.76	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1980.21	27.28	1952.93	6.9	3.3	NM	0.2	24.72	21.3	-94	1.4	ND	ND	ND
	Mar 12	1980.21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1979.87	27.37	1952.50	7.3	3.4	3.9	0.9	26.07	2.2	-194	1.4	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-12	Sep 02	1996.59	14.90	1981.69	NM	NM	NM	NM	NM	NM	NM	ND	ND	ND	ND
	May 03	1996.59	15.07	1981.52	NM	NM	NM	NM	NM	NM	NM	1.3	ND	ND	ND
	Sep 03	1996.59	15.30	1981.29	NM	NM	NM	NM	NM	NM	NM	14	ND	ND	ND
	Jan 04	1996.59	15.40	1981.19	7.0	2.2	NM	NM	22.40	NM	NM	6.1	ND	ND	ND
	May 05	1996.59	12.34	1984.25	6.8	2.6	NM	3.2	24.90	NM	219	ND	ND	ND	ND
	Sep 05	1996.59	13.45	1983.14	7.0	4.2	160.0	5.0	25.60	2.7	95	1.1	ND	ND	ND
	Dec 05	1996.59	14.20	1982.39	6.7	5.0	210.0	2.0	22.50	3.2	523	1.2	ND	ND	ND
	Mar 06	1996.59	15.00	1981.59	NM	6.7	91.0	NM	23.50	4.2	503	1.1	ND	ND	ND
	Jun 06	1996.59	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 06	1996.59	14.71	1981.88	6.3	3.9	>999	3.9	26.10	2.5	112	ND	ND	ND	ND
	Dec 06	1996.59	15.05	1981.54	6.6	4.4	>999	6.2	25.30	2.8	206	1.4	ND	ND	ND
	Mar 07	1996.59	16.55	1980.04	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1996.59	16.31	1980.28	7.1	3.8	>999	3.5	25.50	2.4	-39	ND	ND	ND	ND
	Sep 07	1996.59	14.27	1982.32	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1996.59	15.04	1981.55	6.3	3.9	286.0	2.6	24.70	2.5	207	ND	ND	ND	ND
	Mar 08	1996.59	16.51	1980.08	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1996.59	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1996.48	15.73	1980.75	6.7	3.8	366.0	0.8	26.90	2.4	119	2	ND	ND	ND
	Feb 09	1996.48	15.61	1980.87	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1996.48	16.26	1980.22	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1996.48	16.29	1980.19	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1996.48	16.76	1979.72	6.0	3.5	370.0	1.5	27.60	2.2	54	1.2	ND	ND	ND
	Feb 10	1996.48	16.92	1979.56	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1996.48	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1996.48	15.58	1980.90	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1996.48	15.85	1980.63	6.8	3.6	20.4	1.6	26.18	NM	109	0.76	ND	ND	ND
	Mar 11	1996.48	16.49	1979.99	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1996.48	16.66	1979.82	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1996.48	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1996.48	15.93	1980.55	7.0	3.5	NM	2.0	24.82	2.3	315	0.95	ND	ND	ND
	Mar 12	1996.48	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1995.95	15.37	1980.58	7.3	3.5	15.3	2.8	28.24	2.3	-18	1.2	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-13	May 03	1984.23	17.25	1966.98	NM	NM	NM	NM	NM	NM	NM	2,100	ND	ND	ND
	Sep 03	1984.23	17.60	1966.63	NM	NM	NM	NM	NM	NM	NM	2,800	ND	ND	ND
	Jan 04	1984.23	18.00	1966.23	6.6	3.3	NM	1.1	22.20	NM	NM	2,700	ND	ND	ND
	May 05	1984.23	14.76	1969.47	7.0	2.1	>999	4.2	24.50	NM	118	5,310	ND	ND	ND
	Sep 05	1984.23	15.60	1968.63	7.1	4.0	270.0	6.9	25.40	2.5	144	2,600	ND	ND	ND
	Dec 05	1984.23	16.05	1968.18	6.7	5.0	330.0	2.2	24.90	3.2	250	3,400	ND	ND	ND
	Mar 06	1984.23	17.24	1966.99	5.5	3.6	44.0	NM	22.80	2.3	68	3,700	ND	ND	ND
	Jun 06	1984.23	17.40	1966.83	NM	3.7	425.0	7.1	24.20	2.4	120	2,900	NS	NS	NS
	Oct 06	1984.23	17.15	1967.08	6.2	3.6	50.0	3.8	24.60	2.3	169	2,800	ND	ND	ND
	Dec 06	1984.23	17.47	1966.76	6.8	4.3	94.0	4.2	24.50	2.7	330	3,200	ND	ND	ND
	Mar 07	1984.23	18.58	1965.65	6.9	3.5	308.0	9.5	24.00	2.3	514	2,500	ND	ND	ND
	Jun 07	1984.23	18.66	1965.57	7.0	3.5	0.0	6.1	23.60	2.2	411	3,700	ND	ND	ND
	Sep 07	1984.23	17.41	1966.82	6.7	3.3	3.0	4.7	27.70	2.1	228	2,000	ND	ND	ND
	Dec 07	1984.23	17.50	1966.73	6.4	3.7	19.7	6.5	21.30	2.4	282	2,500	ND	ND	ND
	Mar 08	1984.23	18.31	1965.92	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1984.23	NM	NM	NM	NM	NM	NM	NM	NM	NM	2,300	ND	ND	ND
	Oct 08	1984.18	18.25	1965.93	6.8	3.5	50.3	3.1	24.80	2.2	87	2,600	5.3	ND	ND
	Feb 09	1984.18	18.28	1965.90	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1984.18	18.41	1965.77	7.0	3.8	15.7	3.0	24.40	2.4	120	2,200	2.9	ND	ND
	Sep 09	1984.18	18.63	1965.55	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1984.18	19.05	1965.13	6.0	3.4	0.0	2.0	25.20	2.1	135	1,700	3.7	ND	ND
	Feb 10	1984.18	19.22	1964.96	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1984.18	18.72	1965.46	7.0	3.2	5.2	2.9	25.27	NM	NM	1,600	3.2	ND	ND
	Oct 10	1984.18	18.44	1965.74	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1984.18	18.45	1965.73	6.9	3.5	2.0	2.3	23.79	NM	90	1,900	3.9	ND	ND
	Mar 11	1984.18	18.75	1965.43	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1984.18	19.15	1965.03	7.1	3.5	4.0	2.7	24.74	NM	284	1,600	3.2	ND	ND
	Sep 11	1984.18	18.64	1965.54	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1984.18	18.67	1965.51	6.9	3.7	NM	1.6	23.97	2.4	113	1,700	2.4	ND	ND
	Mar 12	1984.18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1983.31	18.45	1964.86	7.2	3.5	19.6	1.9	23.36	2.3	86	1,500	3.7	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-14	Nov 03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,900	ND	ND	ND
	Jan 04	1987.89	18.35	1969.54	7.0	2.3	NM	1.3	22.30	NM	NM	2,100	ND	ND	ND
	May 05	1987.89	15.02	1972.87	7.0	3.2	NM	NM	24.70	NM	140	2,920	5.5	ND	ND
	Dec 05	1987.89	16.50	1971.39	6.8	5.3	>999	2.1	26.10	3.3	206	3,400	ND	ND	ND
	Mar 06	1987.89	17.54	1970.35	5.2	6.8	898.0	NM	24.20	4.3	234	2,500	ND	ND	ND
	Jun 06	1987.89	17.61	1970.28	NM	3.9	>999	6.8	25.40	2.5	119	1,800	NS	NS	NS
	Oct 06	1987.89	17.42	1970.47	6.1	3.6	>999	7.0	24.80	2.3	297	1,900	ND	ND	ND
	Dec 06	1987.89	17.78	1970.11	6.8	4.5	350.0	4.2	25.70	2.9	226	3,500	ND	ND	ND
	Mar 07	1987.89	18.93	1968.96	6.8	3.7	455.0	8.1	25.10	2.4	501	1,900	ND	ND	ND
	Jun 07	1987.89	18.80	1969.09	7.0	3.7	259.0	6.4	24.80	2.4	299	1,700	ND	ND	ND
	Sep 07	1987.89	17.40	1970.49	6.8	3.5	103.0	4.2	32.20	2.2	220	650	ND	ND	ND
	Dec 07	1987.89	17.66	1970.23	6.4	4.0	9.7	5.7	23.30	2.6	147	1,500	ND	ND	ND
	Mar 08	1987.89	18.63	1969.26	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1987.89	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,500	ND	ND	ND
	Oct 08	1987.86	18.60	1969.26	6.8	3.7	249.0	3.1	25.70	2.4	116	1,500	2.9	ND	ND
	Feb 09	1987.86	18.47	1969.39	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1987.86	18.63	1969.23	7.0	4.0	>-5.0	2.9	25.60	2.5	118	1,900	4.4	ND	ND
	Sep 09	1987.86	18.88	1968.98	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1987.86	19.20	1968.66	5.6	3.6	300.0	1.8	26.20	2.3	132	1,200	2.1	ND	ND
	Feb 10	1987.86	19.26	1968.60	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1987.86	18.88	1968.98	7.0	3.3	84.2	3.6	25.49	NM	NM	1,500	2.4	ND	ND
	Oct 10	1987.86	18.50	1969.36	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1987.86	18.56	1969.30	6.9	3.6	25.8	2.9	25.07	NM	101	1,500	2.6	ND	ND
	Mar 11	1987.86	18.97	1968.89	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1987.86	19.15	1968.71	7.3	3.6	11.4	3.2	25.78	NM	259	1,700	2.0	ND	ND
	Sep 11	1987.86	18.74	1969.12	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1987.86	18.72	1969.14	7.0	3.5	NM	2.6	25.40	2.3	111	1,700	2.5	ND	ND
	Mar 12	1987.86	19.33	1968.53	7.2	3.6	87.5	4.3	23.33	2.3	-51	1,600	NS	NS	NS
*	Jun 12	1987.33	18.71	1968.62	7.3	3.5	122.0	3.9	25.77	2.3	104	1,400	2.5	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-15	Nov 03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	5.2	ND	ND	ND
	Jan 04	1983.28	15.60	1967.68	6.4	2.2	NM	1.0	22.40	NM	NM	2.7	ND	ND	ND
	May 05	1983.28	12.59	1970.69	7.0	2.3	NM	2.9	25.10	NM	164	ND	ND	ND	ND
	Sep 05	1983.28	13.45	1969.83	7.0	3.6	36.0	3.5	25.80	2.3	-24	3.6	ND	ND	ND
	Dec 05	1983.28	13.77	1969.51	6.6	4.5	140.0	1.0	25.90	2.8	-38	5	ND	ND	ND
	Mar 06	1983.28	15.00	1968.28	4.7	6.4	20.0	NM	23.90	4.0	613	4.5	ND	ND	ND
	Jun 06	1983.28	15.15	1968.13	NM	3.8	300.0	4.3	26.00	2.5	106	4.4	NS	NS	NS
	Oct 06	1983.28	14.91	1968.37	6.2	3.7	10.0	2.0	25.70	2.3	51	3.3	ND	ND	ND
	Dec 06	1983.28	15.17	1968.11	6.8	4.7	15.0	3.4	25.90	3.0	28	3.7	ND	ND	ND
	Mar 07	1983.28	16.31	1966.97	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1983.28	16.16	1967.12	7.0	3.6	37.0	3.1	25.30	2.3	362	3	ND	ND	ND
	Sep 07	1983.28	14.80	1968.48	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1983.28	14.71	1968.57	6.4	3.7	0.0	1.9	23.30	2.3	170	3	ND	ND	ND
	Mar 08	1983.28	16.62	1966.66	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1983.28	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1983.25	15.80	1967.45	6.8	3.6	132.0	2.1	27.00	2.3	112	7.8	ND	ND	ND
	Feb 09	1983.25	15.76	1967.49	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1983.25	15.89	1967.36	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1983.25	16.34	1966.91	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1983.25	16.68	1966.57	5.8	3.2	44.0	1.8	26.60	2.1	34	3	ND	ND	ND
	Feb 10	1983.25	16.81	1966.44	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1983.25	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1983.25	16.10	1967.15	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1983.25	16.08	1967.17	6.8	3.4	7.6	2.3	27.60	NM	154	2.5	ND	ND	ND
	Mar 11	1983.25	16.29	1966.96	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1983.25	16.64	1966.61	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1983.25	16.18	1967.07	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1983.25	16.17	1967.08	6.8	4.0	NM	2.1	26.75	NM	-42	3.5	ND	ND	ND
	Mar 12	1983.25	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1982.74	16.70	1966.04	7.3	3.1	25.4	4.1	27.82	2.1	-64	4.2	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-16	Nov 03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	ND	ND	ND	ND
	Jan 04	1980.63	26.22	1954.41	7.0	2.3	NM	0.7	22.40	NM	NM	ND	ND	ND	ND
	May 05	1980.63	23.41	1957.22	7.1	2.9	NM	1.1	25.20	NM	-4	ND	ND	ND	ND
	Sep 05	1980.63	24.12	1956.51	7.0	3.4	520.0	3.5	24.60	2.3	-31	ND	ND	ND	ND
	Dec 05	1980.63	24.21	1956.42	6.7	3.8	>999	1.3	25.30	2.4	48	ND	ND	ND	ND
	Mar 06	1980.63	25.06	1955.57	5.2	5.7	199.0	NM	23.80	3.6	162	ND	ND	ND	ND
	Jun 06	1980.63	26.05	1954.58	NM	3.4	>999	5.6	27.10	2.2	-64	ND	ND	ND	ND
	Oct 06	1980.63	25.67	1954.96	6.3	3.4	32.0	2.0	24.60	2.2	-145	ND	ND	ND	ND
	Dec 06	1980.63	25.56	1955.07	6.5	3.6	271.0	2.9	24.40	1.3	-52	ND	ND	ND	ND
	Mar 07	1980.63	26.33	1954.30	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1980.63	27.28	1953.35	6.7	3.3	282.0	2.2	25.00	2.1	94	ND	ND	ND	ND
	Sep 07	1980.63	27.03	1953.60	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1980.63	26.46	1954.17	6.5	3.4	0.0	1.9	24.90	2.2	82	ND	ND	ND	ND
	Mar 08	1980.63	26.33	1954.30	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1980.63	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1980.61	27.19	1953.42	6.9	3.2	68.0	0.0	24.90	2.1	38	ND	2.8	ND	ND
	Feb 09	1980.61	26.52	1954.09	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1980.61	27.30	1953.31	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1980.61	27.86	1952.75	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1980.61	27.99	1952.62	5.7	3.0	100.0	0.4	26.00	1.9	-96	1.9	ND	ND	ND
	Feb 09	1980.61	28.43	1952.18	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1980.61	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1980.61	27.95	1952.66	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1980.61	27.68	1952.93	6.6	3.1	2.5	0.2	26.52	NM	140	ND	ND	ND	ND
	Mar 11	1980.61	27.49	1953.12	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1980.61	28.22	1952.39	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1980.61	28.36	1952.25	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1980.61	28.17	1952.44	6.9	3.5	NM	0.2	24.40	NM	-74	ND	ND	ND	ND
	Mar 12	1980.61	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1980.53	28.51	1952.02	7.2	2.9	NM	1.2	25.13	1.9	-23	ND	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-17	May 05	1990.92	15.07	1975.85	6.9	3.5	22.0	5.9	24.10	NM	181	520	ND	ND	ND
	Dec 05	1990.92	17.05	1973.87	6.9	4.7	6.0	2.3	26.80	3.0	240	470	ND	ND	ND
	Mar 06	1990.92	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1990.92	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 06	1990.92	17.91	1973.01	6.2	3.5	2.0	7.4	24.90	2.2	174	1,300	ND	ND	ND
	Dec 06	1990.92	18.41	1972.51	6.9	4.1	25.0	6.8	24.10	2.7	386	710	ND	ND	ND
	Mar 07	1990.92	19.63	1971.29	7.0	3.6	87.0	8.1	24.30	2.3	350	440	ND	ND	ND
	Jun 07	1990.92	19.48	1971.44	7.0	3.7	37.0	7.3	25.00	2.3	471	300	ND	ND	ND
	Sep 07	1990.92	17.91	1973.01	6.7	3.4	0.0	5.0	26.70	2.2	197	380	ND	ND	ND
	Dec 07	1990.92	18.45	1972.47	6.3	3.9	0.0	4.8	19.70	2.5	176	480	ND	ND	ND
	Mar 08	1990.92	19.51	1971.41	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1990.92	NM	NM	NM	NM	NM	NM	NM	NM	NM	360	ND	ND	ND
	Oct 08	1990.89	18.84	1972.05	6.8	3.7	-3.1	4.1	25.00	2.4	136	290	ND	ND	ND
	Feb 09	1990.89	19.12	1971.77	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1990.89	19.44	1971.45	5.6	3.8	0.0	1.3	25.00	2.4	170	270	ND	ND	ND
	Sep 09	1990.89	19.58	1971.31	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1990.89	19.95	1970.94	6.6	3.5	-10.0	3.0	25.20	2.2	131	310	ND	ND	ND
	Feb 10	1990.89	19.71	1971.18	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1990.89	19.62	1971.27	7.0	2.9	-0.7	3.1	25.10	NM	NM	270	ND	ND	ND
	Oct 10	1990.89	19.10	1971.79	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1990.89	19.14	1971.75	6.6	3.7	1.3	1.8	26.48	NM	207	240	ND	ND	ND
	Mar 11	1990.89	19.65	1971.24	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1990.89	19.85	1971.04	6.7	3.7	0.5	1.7	25.89	NM	399	350	ND	ND	ND
	Sep 11	1990.89	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1990.89	19.45	1971.44	7.0	3.5	NM	2.7	24.09	2.6	274	350	ND	ND	ND
	Mar 12	1990.89	20.03	1970.86	7.2	3.6	4.1	1.3	24.72	2.3	-92	320	NS	NS	NS
*	Jun 12	1991.04	19.09	1971.95	7.2	3.5	4.5	1.6	24.31	2.3	101	260	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-18	May 05	1962.87	8.71	1954.16	7.1	3.9	>999	5.6	24.30	NM	139	1,600	ND	ND	ND
	Sep 05	1962.87	9.69	1953.18	7.1	4.1	3.0	6.2	26.30	2.6	88	1,700	ND	ND	ND
	Dec 05	1962.87	9.70	1953.17	6.8	4.7	NM	2.0	25.20	3.0	420	2,400	ND	ND	ND
	Mar 06	1962.87	10.21	1952.66	5.2	6.2	3.0	NM	23.30	3.9	237	1,700	NS	NS	NS
	Jun 06	1962.87	11.64	1951.23	NM	3.6	304.0	6.2	25.40	2.3	166	1,600	NS	NS	NS
	Oct 06	1962.87	11.21	1951.66	6.3	3.5	0.0	4.1	25.50	2.2	127	2,100	ND	ND	ND
	Dec 06	1962.87	10.98	1951.89	6.8	4.2	0.0	4.3	24.70	2.7	297	1,400	ND	ND	ND
	Mar 07	1962.87	11.36	1951.51	7.0	3.4	23.0	7.5	22.80	2.2	286	1,400	ND	ND	ND
	Jun 07	1962.87	12.53	1950.34	7.0	3.5	24.0	5.5	23.90	2.2	394	1,300	ND	ND	ND
	Sep 07	1962.87	12.45	1950.42	6.8	3.3	22.0	5.4	29.30	2.1	210	930	ND	ND	ND
	Dec 07	1962.87	11.54	1951.33	6.3	3.6	0.0	5.8	21.60	2.3	232	1,400	ND	ND	ND
	Mar 08	1962.87	11.15	1951.72	6.9	3.5	0.2	4.3	21.20	2.2	212	1,800	ND	ND	ND
	Jun 08	1962.87	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,200	ND	ND	ND
	Oct 08	1962.86	11.96	1950.90	5.5	3.5	14.3	7.8	25.50	2.2	196	950	3.7	ND	ND
	Feb 09	1962.86	11.48	1951.38	6.7	3.3	0.0	3.8	22.70	2.1	90	1,500	5.2	ND	ND
	Jun 09	1962.86	12.36	1950.50	7.3	3.5	20.2	3.5	23.90	2.3	131	3,500	5.1	ND	ND
	Sep 09	1962.86	13.24	1949.62	6.6	3.9	18.9	4.3	28.00	2.5	136	1,200	ND	ND	ND
	Nov 09	1962.86	13.27	1949.59	5.9	3.3	40.0	3.6	25.80	2.1	132	1,400	4.1	ND	ND
	Feb 10	1962.86	13.37	1949.49	6.9	3.3	9.0	4.0	23.30	2.1	134	1,600	4.8	ND	ND
	Jun 10	1962.86	12.90	1949.96	7.1	3.1	-0.9	8.0	25.10	NM	NM	1,100	3.5	ND	ND
	Oct 10	1962.86	13.43	1949.43	6.7	3.3	-0.7	4.4	26.19	2.2	528	1,300	3.4	ND	ND
	Nov 10	1962.86	13.20	1949.66	6.8	3.3	0.2	4.0	25.79	NM	192	1,200	3.8	ND	ND
	Mar 11	1962.86	12.43	1950.43	7.5	3.4	25.7	7.8	22.14	NM	118	1,000	2.7	ND	ND
	Jun 11	1962.86	13.32	1949.54	7.4	3.4	0.7	4.4	24.99	NM	234	1,300	2.9	ND	ND
	Sep 11	1962.86	13.61	1949.25	7.0	3.4	39.0	6.2	26.60	2.2	276	1,300	3.2	ND	ND
	Nov 11	1962.86	13.39	1949.47	7.0	3.2	NM	4.0	24.97	2.1	178	1,100	3.3	ND	ND
	Mar 12	1962.86	NM	NM	NM	N	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1962.9	13.80	1949.10	7.3	3.2	6.1	4.8	25.23	2.1	115	1,300	3.4	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-19	Nov 03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,100	ND	ND	ND
	Jan 04	1980.26	25.65	1954.61	7.0	1.9	NM	1.0	22.40	NM	NM	1,200	ND	ND	ND
	May 05	1980.26	22.70	1957.56	7.1	1.9	NM	5.8	25.00	NM	130	873	ND	ND	ND
	Dec 05	1980.26	23.65	1956.61	6.6	4.7	NM	2.0	24.70	3.0	388	1,300	ND	ND	ND
	Mar 06	1980.26	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1980.26	25.55	1954.71	NM	3.7	>999	7.9	27.10	2.4	86	910	ND	ND	ND
	Oct 06	1980.26	25.23	1955.03	6.1	3.7	>999	4.6	23.90	2.4	175	840	ND	ND	ND
	Dec 06	1980.26	25.01	1955.25	6.8	4.4	>999	5.7	23.90	2.8	595	1,200	ND	ND	ND
	Mar 07	1980.26	25.77	1954.49	6.9	3.7	>999	9.1	24.30	2.3	284	890	ND	ND	ND
	Jun 07	1980.26	26.84	1953.42	7.1	3.5	>999	6.7	24.50	2.3	551	870	ND	ND	ND
	Sep 07	1980.26	26.41	1953.85	6.8	3.4	352.0	5.1	27.40	2.2	201	510	ND	ND	ND
	Dec 07	1980.26	25.52	1954.74	6.4	3.8	440.0	5.6	24.30	2.4	150	990	ND	ND	ND
	Mar 08	1980.26	25.35	1954.91	7.0	3.7	7.6	5.2	24.80	2.3	190	1,200	NS	NS	NS
	Jun 08	1980.26	NM	NM	NM	NM	NM	NM	NM	NM	NM	930	ND	ND	ND
	Oct 08	1980.24	26.19	1954.05	6.9	3.5	18.0	4.1	24.40	2.2	135	1,300	5.7	ND	ND
	Feb 09	1980.24	25.76	1954.48	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1980.24	26.59	1953.65	7.0	3.6	178.0	4.5	25.80	2.3	125	1,400	6.1	ND	ND
	Sep 09	1980.24	27.34	1952.90	6.4	3.9	999.0	4.7	26.60	2.5	157	880	ND	ND	ND
	Nov 09	1980.24	27.42	1952.82	5.9	3.4	>990	2.7	25.50	2.2	131	580	3.7	ND	ND
	Feb 10	1980.24	27.78	1952.46	6.9	3.2	120.0	4.8	23.70	2.1	135	990	5.5	ND	ND
	Jun 10	1980.24	27.08	1953.16	7.0	3.0	2.7	5.0	25.41	NM	NM	930	4.2	ND	ND
	Oct 10	1980.24	27.50	1952.74	7.1	3.2	15.3	5.2	25.28	2.1	394	420	3.2	ND	ND
	Nov 10	1980.24	27.24	1953.00	7.1	3.3	15.5	5.0	25.25	NM	241	840	4.1	ND	ND
	Mar 11	1980.24	26.73	1953.51	6.9	3.4	71.3	5.4	24.59	NM	258	880	3.7	ND	ND
	Jun 11	1980.24	27.55	1952.69	7.4	3.3	20.5	5.0	26.19	NM	190	1,000	3.5	ND	ND
	Sep 11	1980.24	27.68	1952.56	7.0	3.4	570.0	6.5	26.90	2.2	250	950	3.6	ND	ND
	Nov 11	1980.24	27.50	1952.74	7.1	3.1	NM	4.6	23.94	2.0	131	1,100	4.2	ND	ND
	Mar 12	1980.24	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1980.13	27.88	1952.25	7.5	3.1	27.1	5.3	25.86	2.0	102	1,000	3.5	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-20	Nov 03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,800	ND	ND	ND
	Jan 04	1979.99	25.50	1954.49	6.9	2.1	NM	1.1	22.60	NM	NM	290	2.8	ND	ND
	May 05	1979.99	22.58	1957.41	7.2	1.3	NM	5.0	23.60	NM	131	1,460	ND	ND	ND
	Dec 05	1979.99	23.55	1956.44	6.8	4.4	NM	0.8	20.50	2.8	272	1,800	ND	ND	ND
	Mar 06	1979.99	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1979.99	25.48	1954.51	NM	3.8	736.0	6.9	28.60	2.1	70	2,100	ND	ND	ND
	Oct 06	1979.99	25.04	1954.95	6.1	2.6	>999	4.1	23.70	1.8	234	2,000	ND	ND	ND
	Dec 06	1979.99	24.85	1955.14	6.8	4.1	284.0	4.3	23.90	2.6	245	2,500	ND	ND	ND
	Mar 07	1979.99	26.63	1953.36	6.9	3.3	999.0	9.8	23.80	2.2	530	1,500	ND	ND	ND
	Jun 07	1979.99	26.76	1953.23	7.0	3.5	>999	5.4	23.80	2.2	346	1,300	ND	ND	ND
	Sep 07	1979.99	26.30	1953.69	6.8	3.3	248.0	4.4	32.50	2.1	207	730	ND	ND	ND
	Dec 07	1979.99	25.38	1954.61	6.3	3.8	24.6	5.4	21.90	2.4	180	1,400	ND	ND	ND
	Mar 08	1979.99	25.12	1954.87	6.9	3.5	33.0	4.0	23.60	2.3	184	1,600	NS	NS	NS
	Jun 08	1979.99	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,200	ND	ND	ND
	Oct 08	1979.95	26.05	1953.90	7.3	3.5	-5.0	2.3	25.20	NM	181	1,000	3.5	ND	ND
	Feb 09	1979.95	25.57	1954.38	6.6	3.5	247.0	2.5	23.40	2.2	99	830	ND	ND	ND
	Jun 09	1979.95	26.45	1953.50	6.9	3.7	>-5.0	2.2	23.90	2.3	140	1,100	3.3	ND	ND
	Sep 09	1979.95	27.21	1952.74	6.5	4.1	386.0	2.5	25.70	2.6	146	940	ND	ND	ND
	Nov 09	1979.95	27.30	1952.65	5.8	3.4	380.0	1.9	25.30	2.2	142	640	2.2	ND	ND
	Feb 10	1979.95	27.54	1952.41	6.9	3.3	38.0	2.5	24.30	2.0	130	990	3.3	ND	ND
	Jun 10	1979.95	27.86	1952.09	7.0	3.2	1.4	3.5	24.59	NM	NM	780	2.4	ND	ND
	Oct 10	1979.95	27.35	1952.60	6.4	3.3	39.3	2.9	26.58	2.2	519	340	1.8	ND	ND
	Nov 10	1979.95	27.12	1952.83	6.6	3.4	0.9	3.0	25.50	NM	194	890	2.6	ND	ND
	Mar 11	1979.95	26.59	1953.36	6.9	3.5	49.7	3.4	25.69	NM	237	800	2.3	ND	ND
	Jun 11	1979.95	27.40	1952.55	6.8	3.5	3.1	3.5	31.92	NM	452	740	1.9	ND	ND
	Sep 11	1979.95	27.56	1952.39	6.9	3.6	20.0	3.4	26.50	2.2	182	680	1.8	ND	ND
	Nov 11	1979.95	27.35	1952.60	7.0	3.3	NM	2.8	24.35	2.2	131	800	1.9	ND	ND
	Mar 12	1979.95	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1979.82	27.62	1952.20	7.4	3.3	40.1	3.7	25.17	2.2	87	660	2.1	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-21	Nov 03	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	51	ND	ND	ND
	Jan 04	1979.56	24.72	1954.84	6.9	2.0	NM	1.1	22.30	NM	NM	55	ND	ND	ND
	May 05	1979.56	21.76	1957.80	7.1	2.8	NM	2.9	24.60	NM	131	30	ND	ND	ND
	Sep 05	1979.56	22.70	1956.86	7.1	4.7	39.0	4.1	25.80	2.6	109	19	2.4	1.5	ND
	Dec 05	1979.56	22.85	1956.71	6.6	4.6	>999	0.5	24.30	2.9	264	16	1.8	1.3	ND
	Mar 06	1979.56	23.46	1956.10	5.5	3.6	140.0	NM	23.00	2.3	309	43	ND	ND	ND
	Jun 06	1979.56	24.68	1954.88	NM	3.5	>999	4.7	28.50	2.3	112	32	ND	ND	ND
	Oct 06	1979.56	24.35	1955.21	6.2	3.5	>999	2.0	24.10	2.2	79	23	ND	ND	ND
	Dec 06	1979.56	24.15	1955.41	6.7	4.5	617.0	2.7	24.00	2.9	89	39	ND	ND	ND
	Mar 07	1979.56	24.87	1954.69	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1979.56	25.95	1953.61	7.0	3.4	>999	4.2	24.20	2.2	373	28	ND	ND	ND
	Sep 07	1979.56	25.44	1954.12	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1979.56	24.34	1955.22	6.2	3.7	>999	4.4	19.30	2.4	117	83	ND	ND	ND
	Mar 08	1979.56	24.19	1955.37	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1979.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1979.54	24.80	1954.74	7.2	3.4	545.0	0.0	24.50	NM	173	20	ND	ND	ND
	Feb 09	1979.54	24.73	1954.81	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1979.54	25.53	1954.01	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1979.54	26.39	1953.15	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1979.54	26.40	1953.14	6.0	3.4	90.0	0.9	24.90	2.2	119	11	ND	ND	ND
	Feb 10	1979.54	26.14	1953.40	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1979.54	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1979.54	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1979.54	26.32	1953.22	6.6	3.5	2.6	0.3	25.18	NM	202	13	ND	ND	ND
	Mar 11	1979.54	25.68	1953.86	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1979.54	26.57	1952.97	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1979.54	26.67	1952.87	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1979.54	26.47	1953.07	6.8	4.0	NM	0.2	24.75	NM	-38	13	ND	ND	ND
	Mar 12	1979.54	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1979.25	26.77	1952.48	7.3	3.4	8.6	1.0	26.21	2.2	-127	9.4	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-22	May 05	1974.76	23.04	1951.72	6.8	3.9	474.0	1.7	24.10	NM	46	ND	ND	ND	ND
	Sep 05	1974.76	24.18	1950.58	6.9	4.3	10.0	7.2	23.90	2.7	46	ND	ND	ND	ND
	Dec 05	1974.76	24.30	1950.46	6.4	4.2	NM	1.3	24.60	2.7	213	1	ND	ND	ND
	Mar 06	1974.76	24.68	1950.08	4.8	6.1	30.0	NM	24.00	3.8	269	ND	ND	ND	ND
	Jun 06	1974.76	25.91	1948.85	NM	3.4	287.0	6.0	26.40	2.2	376	ND	ND	ND	ND
	Oct 06	1974.76	25.79	1948.97	6.0	3.7	11.0	2.4	23.80	2.4	141	ND	ND	ND	ND
	Dec 06	1974.76	25.49	1949.27	6.5	4.5	0.0	3.5	23.50	2.9	477	ND	ND	ND	ND
	Mar 07	1974.76	24.73	1950.03	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 07	1974.76	26.91	1947.85	6.7	3.8	26.0	3.4	24.30	2.4	137	ND	ND	ND	ND
	Sep 07	1974.76	26.90	1947.86	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1974.76	25.88	1948.88	6.3	4.0	55.6	2.3	23.80	2.5	216	ND	ND	ND	ND
	Mar 08	1974.76	25.17	1949.59	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1974.76	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1974.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Feb 09	1974.75	25.60	1949.15	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1974.75	26.59	1948.16	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1974.75	27.58	1947.17	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1974.75	27.38	1947.37	6.0	3.6	31.0	1.4	24.50	2.3	131	1.4	ND	ND	ND
	Feb 10	1974.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1974.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1974.75	27.82	1946.93	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1974.75	27.55	1947.20	6.7	3.7	0.1	1.6	24.30	NM	129	ND	ND	ND	ND
	Mar 11	1974.75	26.58	1948.17	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1974.75	27.45	1947.30	7.2	3.4	50.2	5.2	24.89	NM	266	NS	NS	NS	NS
	Sep 11	1974.75	27.87	1946.88	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1974.75	27.57	1947.18	6.9	3.6	NM	1.6	23.70	2.3	88	0.55	ND	ND	ND
	Mar 12	1974.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1975.19	28.05	1947.14	6.8	4.1	250.0	4.0	26.20	2.6	102	0.58	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-23	May 05	1962.32	13.06	1949.26	7.0	3.6	NM	2.6	24.50	NM	121	1,430	ND	ND	ND
	Dec 05	1962.32	14.05	1948.27	6.7	4.9	NM	2.1	24.90	3.1	320	1,900	ND	ND	ND
	Mar 06	1962.32	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 06	1962.32	15.60	1946.72	NM	3.7	318.0	5.8	23.80	2.3	238	1,500	ND	ND	ND
	Oct 06	1962.32	15.48	1946.84	6.3	3.5	0.0	2.5	24.00	2.2	107	2,000	ND	ND	ND
	Dec 06	1962.32	15.16	1947.16	6.8	4.2	0.0	3.2	24.20	2.7	2	2,100	ND	ND	ND
	Mar 07	1962.32	15.12	1947.20	NM	NM	NM	NM	NM	NM	NM	2.1	ND	ND	ND
	Jun 07	1962.32	16.40	1945.92	7.0	3.5	31.0	4.2	23.50	2.2	301	1,300	ND	ND	ND
	Sep 07	1962.32	16.61	1945.71	6.8	3.3	1.0	3.8	25.80	2.1	204	750	ND	ND	ND
	Dec 07	1962.32	15.80	1946.52	6.3	3.7	0.0	5.5	22.10	2.4	250	1,200	ND	ND	ND
	Mar 08	1962.32	15.18	1947.14	7.0	6.3	0.4	2.2	24.00	4.1	188	1,400	ND	ND	ND
	Jun 08	1962.32	NM	NM	NM	NM	NM	NM	NM	NM	NM	1,100	ND	ND	ND
	Oct 08	1962.29	16.34	1945.95	6.7	3.5	18.3	2.0	23.40	2.3	170	1,300	4.4	ND	ND
	Feb 09	1962.29	15.41	1946.88	6.7	3.4	0.0	1.1	23.00	2.2	82	1,100	ND	ND	ND
	Jun 09	1962.29	16.40	1945.89	7.2	3.6	7.1	0.6	23.80	2.3	124	1,400	4.6	ND	ND
	Sep 09	1962.29	17.30	1944.99	6.6	4.0	24.5	2.0	25.40	2.5	133	1,200	ND	ND	ND
	Nov 09	1962.29	17.31	1944.98	5.9	3.3	51.0	2.0	24.80	2.1	139	880	3.2	ND	ND
	Feb 10	1962.29	17.18	1945.11	6.8	3.4	9.0	1.8	23.70	2.2	135	1,000	3.8	ND	ND
	Jun 10	1962.29	16.93	1945.36	7.0	3.2	3.8	4.2	26.24	NM	NM	900	2.6	ND	ND
	Oct 10	1962.29	17.53	1944.76	5.7	3.4	-0.1	2.2	23.60	2.2	610	1,100	2.6	ND	ND
	Nov 10	1962.29	17.30	1944.99	7.0	3.4	0.1	2.5	22.72	NM	76	970	2.7	ND	ND
	Mar 11	1962.29	16.30	1945.99	6.9	3.6	2.9	1.9	23.42	NM	202	1,100	2.5	ND	ND
	Jun 11	1962.29	17.22	1945.07	NM	NM	NM	NM	NM	NM	NM	970	2.3	ND	ND
	Sep 11	1962.29	17.67	1944.62	6.9	3.5	8.0	3.0	24.50	2.2	229	1,000	2.4	ND	ND
	Nov 11	1962.29	17.41	1944.88	7.0	3.3	NM	2.3	23.58	2.1	170	1,100	2.4	ND	ND
	Mar 12	1962.29	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1962.45	17.83	1944.62	7.3	3.2	5.1	5.8	24.66	2.1	114	950	2.3	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-24	May 05	1960.74	10.72	1950.02	7.0	3.6	>999	1.5	23.10	NM	76	ND	ND	ND	ND
	Sep 05	1960.74	11.75	1948.99	7.0	3.8	25.0	3.6	25.80	2.4	5	4.3	ND	ND	ND
	Dec 05	1960.74	11.65	1949.09	6.6	4.5	29.0	1.0	25.60	2.7	183	6.7	ND	ND	ND
	Mar 06	1960.74	12.10	1948.64	4.7	6.0	1.0	NM	22.60	3.8	503	6.5	ND	ND	ND
	Jun 06	1960.74	13.16	1947.58	NM	3.4	201.0	5.1	25.10	2.2	132	5.6	ND	ND	ND
	Oct 06	1960.74	13.06	1947.68	6.2	3.2	0.0	1.2	25.50	2.0	-23	2.6	ND	ND	ND
	Dec 06	1960.74	12.80	1947.94	6.9	4.1	0.0	2.6	25.10	2.6	62	2.6	ND	ND	ND
	Mar 07	1960.74	12.88	1947.86	NM	NM	NM	NM	NM	NM	NM	1	ND	ND	ND
	Jun 07	1960.74	13.94	1946.80	7.1	3.3	23.0	2.5	23.20	2.1	409	ND	ND	ND	ND
	Sep 07	1960.74	14.24	1946.50	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Dec 07	1960.74	13.58	1947.16	6.2	3.5	0.0	1.7	24.40	2.2	118	NS	NS	NS	NS
	Mar 08	1960.74	12.98	1947.76	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1960.74	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 08	1960.73	14.03	1946.70	6.8	3.4	-2.3	1.1	25.20	2.1	152	6.1	ND	ND	ND
	Feb 09	1960.73	13.20	1947.53	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1960.73	14.10	1946.63	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 09	1960.73	14.93	1945.80	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1960.73	14.99	1945.74	5.9	3.1	45.0	1.4	26.50	1.9	130	2.9	ND	ND	ND
	Feb 10	1960.73	14.23	1946.50	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1960.73	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Oct 10	1960.73	15.16	1945.57	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1960.73	14.90	1945.83	7.0	3.2	-0.8	1.4	25.24	NM	68	0.81	ND	ND	ND
	Mar 11	1960.73	14.06	1946.67	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1960.73	14.89	1945.84	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Sep 11	1960.73	15.31	1945.42	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1960.73	15.12	1945.61	7.0	3.1	NM	1.3	24.98	2.0	149	0.95	ND	ND	ND
	Mar 12	1960.73	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1960.82	15.49	1945.33	6.9	3.4	110.0	1.8	25.00	2.2	94	1.3	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-25	May 05	1960.74	16.01	1944.73	7.0	4.0	>999	4.3	23.60	NM	141	993	ND	ND	ND
	Sep 05	1960.74	17.45	1943.29	7.0	4.2	30.0	5.1	26.20	2.7	57	920	ND	ND	ND
	Dec 05	1960.74	16.85	1943.89	6.6	5.3	0.0	1.4	24.70	3.3	417	1,000	ND	ND	ND
	Mar 06	1960.74	17.30	1943.44	5.2	6.7	94.0	NM	23.60	4.2	255	970	ND	ND	ND
	Jun 06	1960.74	18.64	1942.10	NM	3.9	228.0	5.7	23.50	2.5	376	960	ND	ND	ND
	Oct 06	1960.74	18.75	1941.99	6.2	3.7	0.0	3.1	23.60	2.4	106	1,300	ND	ND	ND
	Dec 06	1960.74	18.61	1942.13	6.7	4.5	0.0	3.8	23.90	2.8	429	1,200	ND	ND	ND
	Mar 07	1960.74	17.72	1943.02	7.0	3.7	>999	7.5	23.30	2.4	258	670	ND	ND	ND
	Jun 07	1960.74	19.31	1941.43	7.0	3.7	50.0	4.5	23.00	2.4	485	960	ND	ND	ND
	Sep 07	1960.74	19.96	1940.78	6.7	3.5	15.0	3.6	27.00	2.3	195	560	ND	ND	ND
	Dec 07	1960.74	18.92	1941.82	6.3	3.9	0.0	4.8	19.40	2.5	168	780	ND	ND	ND
	Mar 08	1960.74	17.87	1942.87	6.9	3.7	11.9	2.5	24.40	2.3	170	890	ND	ND	ND
	Jun 08	1960.74	NM	NM	NM	NM	NM	NM	NM	NM	NM	630	ND	ND	ND
	Oct 08	1960.73	19.84	1940.89	6.8	3.7	30.2	2.3	23.50	2.4	-94	730	1.5	ND	ND
	Feb 09	1960.73	18.07	1942.66	6.7	3.5	0.0	2.1	23.70	2.3	66	770	ND	ND	ND
	Jun 09	1960.73	19.35	1941.38	7.2	3.7	6.9	1.2	24.10	2.4	127	880	2.0	ND	ND
	Sep 09	1960.73	18.60	1942.13	6.5	4.2	14.2	2.5	25.90	2.7	136	770	ND	ND	ND
	Nov 09	1960.73	20.65	1940.08	5.8	3.5	66.0	2.2	24.70	2.2	140	570	1.3	ND	ND
	Feb 10	1960.73	19.81	1940.92	6.8	3.5	9.0	2.2	22.50	2.2	122	460	2.3	ND	ND
	Jun 10	1960.73	19.85	1940.88	7.0	3.3	-0.1	5.5	26.26	NM	NM	550	0.9	ND	ND
	Oct 10	1960.73	20.85	1939.88	5.9	3.5	-0.7	2.4	24.21	2.3	603	760	0.9	ND	ND
	Nov 10	1960.73	20.62	1940.11	6.7	3.5	0.5	2.8	25.16	NM	182	550	0.9	ND	ND
	Mar 11	1960.73	18.97	1941.76	7.0	3.4	0.0	4.1	20.24	NM	115	420	0.6	ND	ND
	Jun 11	1960.73	19.83	1940.90	7.3	3.6	-1.2	2.4	24.31	NM	216	700	0.8	ND	ND
	Sep 11	1960.73	20.83	1939.90	6.9	3.7	4.0	2.9	24.00	2.3	257	680	0.8	ND	ND
	Nov 11	1960.73	20.62	1940.11	7.0	3.4	NM	2.3	23.26	2.2	166	740	0.82	ND	ND
	Mar 12	1960.73	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1959.29	21.06	1938.23	6.8	3.9	56.0	2.9	25.20	2.5	89	640	0.88	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-26	Mar 06	1953.48	15.60	1937.88	6.8	3.8	0.0	2.6	23.80	2.4	158	730	ND	ND	ND
	Jun 06	1953.48	17.00	1936.48	NM	2.3	229.0	4.8	24.10	1.5	305	770	ND	ND	ND
	Oct 06	1953.48	17.17	1936.31	6.2	69.4	0.0	2.9	23.70	2.4	180	1,100	ND	ND	ND
	Dec 06	1953.48	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 07	1953.48	15.66	1937.82	7.0	3.8	>999	7.1	23.50	2.4	422	790	ND	ND	ND
	Jun 07	1953.48	17.50	1935.98	7.0	3.5	41.0	4.8	23.60	2.5	517	960	ND	ND	ND
	Sep 07	1953.48	18.12	1935.36	6.7	3.6	5.0	3.5	27.10	2.3	176	620	ND	ND	ND
	Dec 07	1953.48	17.01	1936.47	6.4	4.0	0.0	5.1	21.70	2.5	212	910	ND	ND	ND
	Mar 08	1953.48	15.91	1937.57	7.0	3.8	0.7	7.9	24.30	2.4	176	1,100	ND	ND	ND
	Jun 08	1953.48	NM	NM	NM	NM	NM	NM	NM	NM	NM	930	ND	ND	ND
	Oct 08	1953.48	18.34	1935.14	6.8	3.9	-7.2	2.7	24.00	2.5	86	900	1.4	ND	ND
	Feb 09	1953.48	16.04	1937.44	6.7	3.7	0.0	3.3	23.90	2.3	82	960	ND	ND	ND
	Jun 09	1953.48	17.57	1935.91	7.2	3.8	49.3	2.2	25.40	2.5	133	970	1.5	ND	ND
	Sep 09	1953.48	18.79	1934.69	6.6	4.3	10.5	2.8	26.40	2.8	137	910	ND	ND	ND
	Nov 09	1953.48	18.85	1934.63	5.8	3.6	210.0	2.8	24.30	2.3	139	690	ND	ND	ND
	Feb 10	1953.48	17.61	1935.87	6.9	3.6	7.0	2.5	22.60	2.3	143	790	1.8	ND	ND
	Jun 10	1953.48	17.95	1935.53	7.0	2.4	0.2	6.6	26.14	NM	NM	680	0.7	ND	ND
	Oct 10	1953.48	19.09	1934.39	6.8	3.7	-0.8	2.0	24.60	2.4	504	450	0.6	ND	ND
	Nov 10	1953.48	18.75	1934.73	6.9	3.7	0.6	2.6	24.91	NM	92	750	0.7	ND	ND
	Mar 11	1953.48	18.83	1934.65	6.9	3.8	0.0	2.7	23.78	NM	141	760	0.6	ND	ND
	Jun 11	1953.48	17.82	1935.66	6.7	3.7	-1.2	2.0	25.86	NM	475	860	0.67	ND	ND
	Sep 11	1953.48	19.04	1934.44	6.9	3.8	7.0	2.9	24.40	2.4	260	780	0.6	ND	ND
	Nov 11	1953.48	18.72	1934.76	7.0	3.6	NM	2.1	23.33	2.3	161	690	0.61	ND	ND
	Mar 12	1953.48	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1953.45	19.24	1934.21	6.8	4.1	72.0	2.8	26.00	2.6	85	740	0.54	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-27	Mar 06	1944.23	13.48	1930.75	6.8	3.3	0.0	2.4	21.90	2.1	142	220	ND	ND	ND
	Jun 06	1944.23	18.50	1925.73	NM	3.7	626.0	4.6	26.10	2.3	69	350	ND	ND	ND
	Oct 06	1944.23	16.16	1928.07	6.2	3.3	0.0	2.8	22.20	2.1	155	380	ND	ND	ND
	Dec 06	1944.23	13.85	1930.38	6.8	4.0	507.0	4.5	22.20	2.6	444	380	ND	ND	ND
	Mar 07	1944.23	12.58	1931.65	7.0	3.3	83.0	7.0	21.90	2.1	181	160	ND	ND	ND
	Jun 07	1944.23	18.43	1925.80	7.0	3.3	238.0	4.1	22.20	2.1	392	340	ND	ND	ND
	Sep 07	1944.23	17.85	1926.38	6.8	3.4	22.0	3.4	24.20	2.2	198	320	ND	ND	ND
	Dec 07	1944.23	14.41	1929.82	6.4	3.8	0.0	3.5	20.60	2.5	153	430	ND	ND	ND
	Mar 08	1944.23	13.65	1930.58	7.0	3.4	1.4	2.5	22.60	2.2	174	580	ND	ND	ND
	Jun 08	1944.23	NM	NM	NM	NM	NM	NM	NM	NM	NM	320	ND	ND	ND
	Oct 08	1944.23	18.33	1925.90	6.5	3.8	25.2	1.1	22.59	2.4	105	510	2.6	ND	ND
	Feb 09	1944.23	13.22	1931.01	6.6	3.6	0.0	0.7	21.90	2.3	108	510	ND	ND	ND
	Jun 09	1944.23	18.39	1925.84	7.1	3.9	0.0	0.5	24.10	2.5	128	570	3.3	ND	ND
	Sep 09	1944.23	19.73	1924.50	6.6	4.3	-6.7	0.9	24.20	2.7	131	640	ND	ND	ND
	Nov 09	1944.23	18.92	1925.31	NM	NM	NM	NM	NM	NM	NM	400	2.0	ND	ND
	Feb 10	1944.23	13.00	1931.23	NM	NM	NM	NM	NM	NM	NM	770	3.5	ND	ND
	Jun 10	1944.23	17.77	1926.46	7.1	3.4	10.2	6.8	24.66	NM	NM	330	1.4	ND	ND
	Oct 10	1944.23	18.87	1925.36	6.9	3.6	0.4	1.4	22.95	2.4	434	420	1.4	ND	ND
	Nov 10	1944.23	17.19	1927.04	6.8	3.7	2.9	1.5	23.57	NM	115	480	1.8	ND	ND
	Mar 11	1944.23	12.99	1931.24	7.0	3.7	259.3	6.7	21.37	NM	108	370	1.2	ND	ND
	Jun 11	1944.23	16.68	1927.55	7.3	3.7	-1.4	1.6	23.61	NM	180	440	1.3	ND	ND
	Sep 11	1944.23	20.23	1924.00	6.8	3.8	10.0	2.2	23.60	2.4	237	470	1.3	ND	ND
	Nov 11	1944.23	17.32	1926.91	7.0	3.5	NM	2.1	22.62	2.3	164	380	1.3	ND	ND
	Mar 12	1944.23	16.22	1928.01	7.2	3.6	5.9	2.5	23.10	2.4	-58	470	NS	NS	NS
*	Jun 12	1944.15	14.46	1929.69	6.8	3.9	230.0	2.9	23.80	2.4	108	440	0.97	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-28	Nov 07	1942.97	14.02	1928.95	6.8	4.2	196.0	9.6	26.80	2.7	125	3	ND	ND	ND
	Dec 07	1942.97	12.80	1930.17	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 08	1942.97	11.61	1931.36	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1942.97	NM	NM	NM	NM	NM	NM	NM	NM	NM	1	ND	ND	ND
	Oct 08	1942.96	14.60	1928.36	6.8	4.2	165.0	0.6	22.80	2.7	82	2.2	ND	ND	ND
	Feb 09	1942.96	11.66	1931.30	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1942.96	13.91	1929.05	7.2	4.2	63.8	0.0	23.50	2.7	119	3.3	ND	ND	ND
	Sep 09	1942.96	14.96	1928.00	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1942.96	14.83	1928.13	6.0	3.8	180.0	1.1	23.20	2.5	136	1.3	ND	ND	ND
	Feb 10	1942.96	12.78	1930.18	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1942.96	13.91	1929.05	7.0	3.7	3.7	3.3	23.89	NM	NM	0.94	ND	ND	ND
	Oct 10	1942.96	14.93	1928.03	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1942.96	14.31	1928.65	6.7	3.9	0.6	0.9	24.25	NM	162	0.66	ND	ND	ND
	Mar 11	1942.96	12.10	1930.86	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1942.96	13.50	1929.46	7.0	4.0	2.4	0.7	23.71	NM	185	ND	ND	ND	ND
	Sep 11	1942.96	14.93	1928.03	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1942.96	14.42	1928.54	7.0	3.7	NM	1.0	22.10	2.4	157	0.62	ND	ND	ND
	Mar 12	1942.96	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1943.07	15.30	1927.77	6.8	4.1	32.0	1.1	22.70	2.6	133	0.73	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-29	Nov 07	1932.27	14.20	1918.07	6.9	4.3	15.1	6.0	21.80	2.7	108	2.5	ND	ND	ND
	Dec 07	1932.27	14.01	1918.26	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 08	1932.27	13.77	1918.50	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 08	1932.27	NM	NM	NM	NM	NM	NM	NM	NM	NM	1	ND	ND	ND
	Oct 08	1932.25	14.44	1917.81	6.8	4.0	500.0	3.9	20.00	2.6	122	2.2	ND	ND	ND
	Feb 09	1932.25	13.81	1918.44	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 09	1932.25	13.98	1918.27	7.2	4.0	212.0	3.3	20.50	2.6	133	1.3	ND	ND	ND
	Sep 09	1932.25	14.38	1917.87	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 09	1932.25	14.37	1917.88	6.1	3.8	200.0	3.9	20.80	2.4	139	ND	ND	ND	ND
	Feb 10	1932.25	14.19	1918.06	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 10	1932.25	13.92	1918.33	6.9	3.5	3.8	4.8	23.43	NM	NM	0.58	ND	ND	ND
	Oct 10	1932.25	14.19	1918.06	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 10	1932.25	13.90	1918.35	6.8	3.9	1.5	4.0	21.09	NM	138	ND	ND	ND	ND
	Mar 11	1932.25	13.52	1918.73	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Jun 11	1932.25	13.65	1918.60	6.9	3.9	-1.4	4.1	20.62	NM	232	ND	ND	ND	ND
	Sep 11	1932.25	13.84	1918.41	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Nov 11	1932.25	13.85	1918.40	7.0	3.7	NM	4.0	19.77	2.4	183	ND	ND	ND	ND
	Mar 12	1932.25	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1932.35	13.99	1918.36	6.9	3.8	79.0	5.2	20.30	2.4	133	ND	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-30	Nov 07	1940.56	20.11	1920.45	6.8	3.7	144.0	3.1	24.20	2.4	135	74	ND	ND	ND
	Dec 07	1940.56	17.12	1923.44	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
	Mar 08	1940.56	16.32	1924.24	6.9	3.3	7.2	3.7	18.80	2.1	204	86	ND	ND	ND
	Jun 08	1940.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	49	ND	ND	ND
	Oct 08	1940.56	20.91	1919.65	6.7	3.7	221.0	0.9	20.10	2.4	124	100	1.8	ND	ND
	Feb 09	1940.56	16.05	1924.51	6.6	3.3	7.2	3.2	19.60	2.1	97	71	ND	ND	ND
	Jun 09	1940.56	19.88	1920.68	7.1	3.7	34.3	1.2	21.40	2.3	141	110	2.0	ND	ND
	Sep 09	1940.56	21.57	1918.99	6.6	4.2	0.8	2.0	23.40	2.7	127	70	1.1	ND	ND
	Nov 09	1940.56	20.55	1920.01	5.9	3.3	-10.0	2.3	20.40	2.1	167	85	1.4	ND	ND
	Feb 10	1940.56	16.49	1924.07	6.7	3.2	12.0	3.9	19.60	2.1	162	60	ND	ND	ND
	Jun 10	1940.56	18.98	1921.58	6.9	2.9	1.0	5.3	25.04	NM	NM	41	ND	ND	ND
	Oct 10	1940.56	20.63	1919.93	6.0	3.1	0.1	4.2	21.95	2.0	595	62	ND	ND	ND
	Nov 10	1940.56	19.32	1921.24	6.6	3.1	0.7	4.4	22.09	NM	212	54	ND	ND	ND
	Mar 11	1940.56	15.85	1924.71	6.5	3.3	0.0	4.7	19.41	NM	142	50	ND	ND	ND
	Jun 11	1940.56	18.17	1922.39	6.3	3.1	-1.1	4.2	22.48	NM	446	50	ND	ND	ND
	Sep 11	1940.56	21.28	1919.28	7.1	2.9	16.0	7.9	22.20	1.9	237	25	ND	ND	ND
	Nov 11	1940.56	19.47	1921.09	7.0	2.8	NM	4.7	20.48	1.8	182	38	ND	ND	ND
	Mar 12	1940.56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1940.59	21.42	1919.17	6.9	3.2	210.0	3.7	21.00	2.0	125	84	0.73	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-31	Mar 08	1937.93	15.23	1922.70	7.0	4.7	125.0	6.0	22.50	2.9	152	49	ND	ND	ND
	Jun 08	1937.93	NM	NM	NM	NM	NM	NM	NM	NM	NM	31	ND	ND	ND
	Oct 08	1937.93	18.94	1918.99	6.7	4.2	265.0	3.6	22.40	2.7	123	39	ND	ND	ND
	Feb 09	1937.93	15.59	1922.34	6.5	4.0	11.0	3.4	21.90	2.6	99	44	ND	ND	ND
	Jun 09	1937.93	17.30	1920.63	7.0	4.3	77.9	4.6	21.10	2.8	137	45	ND	ND	ND
	Sep 09	1937.93	19.08	1918.85	6.6	4.8	45.2	4.9	23.60	3.0	124	38	ND	ND	ND
	Nov 09	1937.93	18.40	1919.53	6.0	4.0	230.0	4.0	22.90	2.5	141	24	ND	ND	ND
	Feb 10	1937.93	16.41	1921.52	6.7	4.0	18.0	3.9	21.10	2.5	148	34	1.2	ND	ND
	Jun 10	1937.93	16.94	1920.99	6.9	3.7	14.8	5.2	23.60	NM	NM	34	ND	ND	ND
	Oct 10	1937.93	18.80	1919.13	5.9	4.0	3.5	3.9	22.86	2.6	582	30	ND	ND	ND
	Nov 10	1937.93	18.33	1919.60	6.5	4.0	10.1	3.9	24.41	NM	225	27	ND	ND	ND
	Mar 11	1937.93	15.70	1922.23	6.9	4.1	22.7	5.0	22.63	NM	145	26	ND	ND	ND
	Jun 11	1937.93	16.76	1921.17	6.2	4.0	9.8	4.2	25.43	NM	480	64	ND	ND	ND
	Sep 11	1937.93	18.73	1919.20	6.8	4.1	9.5	4.8	24.90	2.6	256	57	ND	ND	ND
	Nov 11	1937.93	17.93	1920.00	6.9	3.8	NM	3.9	21.23	2.5	178	58	ND	ND	ND
	Mar 12	1937.93	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1937.66	18.37	1919.29	6.8	4.1	440.0	3.9	23.20	2.6	121	44	0.52	ND	ND
MW-32	Mar 08	1952.82	17.25	1935.57	7.4	3.6	5.4	2.4	23.30	2.3	136	720	ND	ND	ND
	Jun 08	1952.82	NM	NM	NM	NM	NM	NM	NM	NM	NM	750	ND	ND	ND
	Oct 08	1952.82	19.95	1932.87	6.9	3.8	23.7	1.0	23.80	2.4	-101	990	6.1	ND	ND
	Feb 09	1952.82	17.22	1935.60	6.7	3.6	22.5	1.0	23.40	2.3	75	1,000	7.2	ND	ND
	Jun 09	1952.82	19.14	1933.68	7.1	3.7	32.7	2.7	23.40	2.4	120	1,000	5.3	ND	ND
	Sep 09	1952.82	20.47	1932.35	6.5	4.2	4.1	1.2	25.30	2.7	157	1,000	ND	ND	ND
	Nov 09	1952.82	20.44	1932.38	5.8	3.4	180.0	2.8	24.10	2.2	145	660	3.7	ND	ND
	Feb 10	1952.82	18.81	1934.01	6.8	3.5	16.0	1.6	22.70	2.2	158	830	5.4	ND	ND
	Jun 10	1952.82	19.46	1933.36	7.0	3.2	1.2	6.3	26.41	NM	NM	480	2.6	ND	ND
	Oct 10	1952.82	20.77	1932.05	6.5	3.5	8.2	2.7	24.89	2.3	585	660	2.7	ND	ND
	Nov 10	1952.82	20.40	1932.42	6.6	3.5	1.9	2.4	24.50	NM	244	740	3.3	ND	ND
	Mar 11	1952.82	18.21	1934.61	7.1	3.5	4.3	6.7	23.41	NM	111	610	2.3	ND	ND
	Jun 11	1952.82	19.40	1933.42	6.8	3.5	-1.3	3.4	24.82	NM	424	790	2.3	ND	ND
	Sep 11	1952.82	20.91	1931.91	6.9	3.6	10.0	5.1	24.40	2.3	274	610	1.9	ND	ND
	Nov 11	1952.82	20.24	1932.58	7.0	3.3	NM	3.3	23.32	2.2	161	700	2.7	ND	ND
	Mar 12	1952.82	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1952.9	20.94	1931.96	6.9	3.6	240.0	4.7	25.10	2.3	101	640	2	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-33	Mar 08	1950.92	16.02	1934.90	7.0	3.5	82.4	7.6	20.30	2.2	161	2.4	ND	ND	ND
	Jun 08	1950.92	NM	NM	NM	NM	NM	NM	NM	NM	NM	1	ND	ND	ND
	Oct 08	1950.92	18.00	1932.92	6.7	3.8	6.7	1.0	22.20	2.4	85	3.4	ND	ND	ND
	Feb 09	1950.92	16.11	1934.81	6.4	3.7	0.0	0.0	21.30	2.4	120	ND	ND	ND	ND
	Jun 09	1950.92	17.28	1933.64	7.0	4.0	0.0	0.0	21.40	2.5	138	ND	ND	ND	ND
	Sep 09	1950.92	18.93	1931.99	6.6	4.2	2.2	1.2	23.50	2.7	166	3.3	ND	ND	ND
	Nov 09	1950.92	18.78	1932.14	6.0	3.5	200.0	1.7	22.60	2.2	136	1.4	ND	ND	ND
	Feb 10	1950.92	17.28	1933.64	6.7	3.5	0.0	0.7	21.50	2.2	146	ND	ND	ND	ND
	Jun 10	1950.92	17.71	1933.21	6.9	3.4	1.1	2.1	28.96	NM	NM	ND	ND	ND	ND
	Oct 10	1950.92	19.42	1931.50	6.1	3.6	3.7	1.4	23.04	2.3	558	ND	ND	ND	ND
	Nov 10	1950.92	19.25	1931.67	6.6	3.6	1.7	1.6	23.34	NM	217	ND	ND	ND	ND
	Mar 11	1950.92	17.36	1933.56	6.5	3.8	2.8	1.7	21.27	NM	107	ND	ND	ND	ND
	Jun 11	1950.92	18.00	1932.92	7.3	3.8	-1.2	0.8	22.54	NM	74	ND	ND	ND	ND
	Sep 11	1950.92	19.31	1931.61	6.9	3.8	10.0	4.2	23.10	2.4	191	ND	ND	ND	ND
	Nov 11	1950.92	18.72	1932.20	7.0	3.6	NM	2.2	21.62	2.3	181	ND	ND	ND	ND
	Mar 12	1950.92	NM	NM	NM	NM	NM	NM	NM	NM	NM	NS	NS	NS	NS
*	Jun 12	1950.98	19.03	1931.95	6.8	4.0	130.0	1.3	22.90	2.5	136	ND	ND	ND	ND

Table A-1
Historical Groundwater Elevations and Chemical Concentrations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temp. (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-34	Dec 11	--		--								910	NS	NS	NS
	Jan 12	--		--								1000	NS	NS	NS
	Mar 12	--	19.02	--	7.2	3.7	27.4	2.0	22.63	2.4	-47	1000	NS	NS	NS
*	Jun 12	1993.88	17.74	1976.14	7.3	3.4	16.4	2.4	24.19	2.4	89	860	0.97	ND	ND
MW-35	Dec 11	--		--								410	NS	NS	NS
	Jan 12	--		--								630	NS	NS	NS
	Mar 12	--	20.03	--	7.3	3.4	181.0	3.6	23.81	2.2	-21	580	NS	NS	NS
*	Jun 12	1991.37	18.90	1972.47	7.3	3.4	87.1	4.0	24.30	2.2	100	530	ND	ND	ND
MW-36	Mar 12	1955.30	19.51	1935.79	7.1	3.5	15.8	2.3	23.44	2.3	-62	160	NS	NS	NS
*	Jun 12	1955.30	21.26	1934.04	6.8	3.8	110.0	2.2	25.30	2.5	74	130	ND	ND	ND
MW-37	Mar 12	1930.06	18.89	1911.17	7.2	3.7	9.5	5.6	20.42	2.4	-27	36	NS	NS	NS
*	Jun 12	1929.98	19.10	1910.88	6.9	3.8	200.0	6.3	20.80	2.4	128	34	ND	ND	ND
MW-38	May 12	1908.38	14.80	1893.58	6.9	3.8	NM	3.8	20.88	2.5	84	4.6	NM	NM	NM
	Jun 12	1908.38	15.05	1893.33	6.8	3.9	550.0	5.0	22.00	2.5	124	5.8	ND	ND	ND
MW-39	May 12	1967.55	25.38	1942.17	7.1	3.5	NM	1.8	25.42	2.3	24	220	NM	NM	NM
	Jun 12	1967.55	26.15	1941.40	7.3	3.4	252.0	3.3	25.73	2.2	50	250	0.6	ND	ND

Notes:

NM = Not Measured
msl = mean sea level
ND = Non Detect
NS = Not Sampled
µg/L = micrograms per liter

°C = degrees Celsius
g/L = gallons per liter
mg/L = milligrams per liter
mS/cm = milli Siemens per centimeter
mV = milllivolts
NTU = Nephelometric Turbudity Units

*: All wells were resurveyed to determine top of casing elevation

Table A-2
Current Groundwater Elevations
Maryland Square Shopping Center

Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	Screen Interval (feet bgs)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-1	Jun 12	1992.01	19.18	1972.83	10-30	7.3	3.5	15.9	3.00	25.97	2.3	90.0	410	ND	ND	ND
MW-2	Jun 12	1983.53	19.11	1964.42	10-32	7.2	3.3	57.1	2.56	23.57	2.2	86.8	490	2.0	0.6	ND
MW-3	Jun 12	1983.81	20.43	1963.38	10-32	7.0	4.0	102.0	2.60	25.50	2.6	121.7	25	ND	ND	ND
MW-5	Jun 12	1988.69	19.25	1969.44	10-32	7.3	3.3	50.1	6.02	25.30	2.1	106.3	520	2.5	1.2	ND
MW-6	Jun 12	1988.12	19.71	1968.41	10-32	7.6	3.1	57.1	7.54	27.25	2.0	114.3	1700	8.5	5.4	ND
MW-7	Jun 12	1989.78	17.78	1972.00	10-30	7.3	3.5	8.0	4.82	27.56	2.3	-41.8	10	ND	ND	ND
MW-8	Jun 12	1991.71	19.32	1972.39	10-30	7.4	3.2	93.1	6.62	27.55	2.1	16.5	3.5	ND	ND	ND
MW-9	Jun 12	1992.25	19.45	1972.80	48.5-50	7.6	1.0	13.4	4.72	30.27	0.8	-8.3	5.7	ND	ND	ND
MW-10	Jun 12	1983.28	21.76	1961.52	10-30	7.4	3.0	11.0	0.97	27.50	2.0	-283.0	0.90	ND	ND	ND
MW-11	Jun 12	1979.87	27.37	1952.50	13.5-33.5	7.3	3.4	3.9	0.86	26.07	2.2	-194.1	1.4	ND	ND	ND
MW-12	Jun 12	1995.95	15.37	1980.58	13.5-33.5	7.3	3.5	15.3	2.80	28.24	2.3	-18.2	1.2	ND	ND	ND
MW-13	Jun 12	1983.31	18.45	1964.86	9-29	7.2	3.5	19.6	1.89	23.36	2.3	86.1	1500	3.7	ND	ND
MW-14	Jun 12	1987.33	18.71	1968.62	15-40	7.3	3.5	122.0	3.91	25.77	2.3	104.3	1400	2.5	ND	ND
MW-15	Jun 12	1982.74	16.70	1966.04	15-32	7.3	3.1	25.4	4.06	27.82	2.1	-64.4	4.2	ND	ND	ND
MW-16	Jun 12	1980.53	28.51	1952.02	19-32	7.2	2.9	NM	1.21	25.13	1.9	-22.9	ND	ND	ND	ND
MW-17	Jun 12	1991.04	19.09	1971.95	15-30	7.2	3.5	4.5	1.57	24.31	2.3	100.6	260	ND	ND	ND
MW-18	Jun 12	1962.90	13.80	1949.10	5-25	7.3	3.2	6.1	4.83	25.23	2.1	115.4	1300	3.4	ND	ND
MW-19	Jun 12	1980.13	27.88	1952.25	19-35	7.5	3.1	27.1	5.30	25.86	2.0	101.8	1000	3.5	ND	ND
MW-20	Jun 12	1979.82	27.62	1952.20	19-35	7.4	3.3	40.1	3.72	25.17	2.2	87.2	660	2.1	ND	ND
MW-21	Jun 12	1979.25	26.77	1952.48	19-35	7.3	3.4	8.6	1.01	26.21	2.2	-127.4	9.4	ND	ND	ND
MW-22	Jun 12	1975.19	28.05	1947.14	15-35	6.8	4.1	250.0	4.00	26.20	2.6	102.0	0.58	ND	ND	ND

Table A-2
Current Groundwater Elevations
Maryland Square Shopping Center

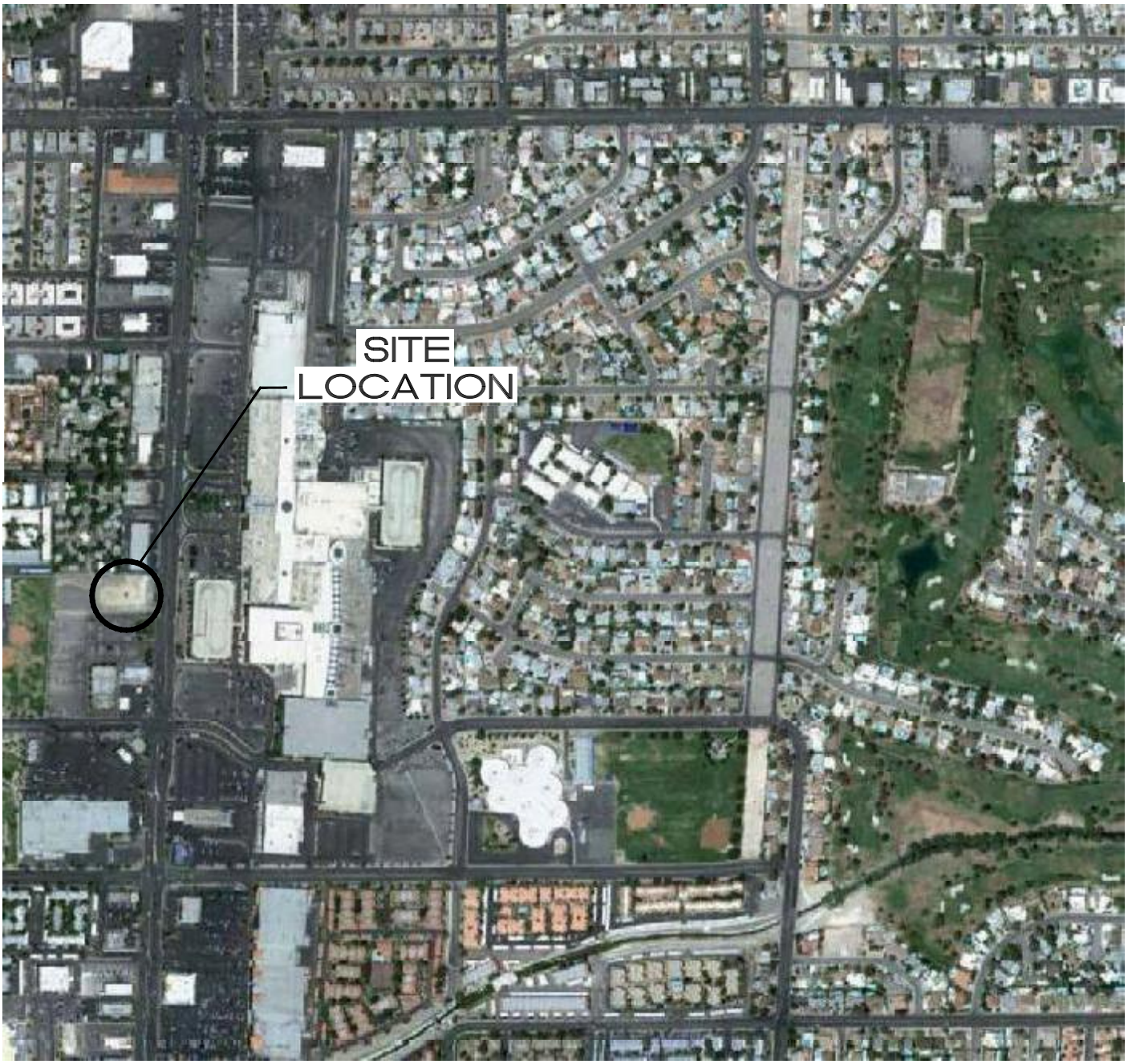
Well ID	Date	Top of Casing Elevation (feet msl)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet msl)	Screen Interval (feet bgs)	pH	Specific Conductance (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (ºC)	TDS (g/L)	ORP (mV)	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	VC (µg/L)
MW-23	Jun 12	1962.45	17.83	1944.62	5-25	7.3	3.2	5.1	5.82	24.66	2.1	114.3	950	2.3	ND	ND
MW-24	Jun 12	1960.82	15.49	1945.33	5-25	6.9	3.4	110.0	1.80	25.00	2.2	94.0	1.3	ND	ND	ND
MW-25	Jun 12	1959.29	21.06	1938.23	5-25	6.8	3.9	56.0	2.90	25.20	2.5	89.0	640	0.88	ND	ND
MW-26	Jun 12	1953.45	19.24	1934.21	10-35	6.8	4.1	72.0	2.80	26.00	2.6	85.0	740	0.54	ND	ND
MW-27	Jun 12	1944.15	14.46	1929.69	10-35	6.8	3.9	230.0	2.90	23.80	2.4	108.0	440	1.0	ND	ND
MW-28	Jun 12	1943.07	15.30	1927.77	15-35	6.8	4.1	32.0	1.10	22.70	2.6	133.0	0.73	ND	ND	ND
MW-29	Jun 12	1932.35	13.99	1918.36	15-35	6.9	3.8	79.0	5.20	20.30	2.4	133.0	ND	ND	ND	ND
MW-30	Jun 12	1940.59	21.42	1919.17	20-40	6.9	3.2	210.0	3.70	21.00	2.0	125.0	84	0.73	ND	ND
MW-31	Jun 12	1937.66	18.37	1919.29	13.5-33.5	6.8	4.1	440.0	3.90	23.20	2.6	121.0	44	0.52	ND	ND
MW-32	Jun 12	1952.90	20.94	1931.96	13.5-33.6	6.9	3.6	240.0	4.70	25.10	2.3	101.0	640	2.0	ND	ND
MW-33	Jun 12	1950.98	19.03	1931.95	13.5-33.7	6.8	4.0	130.0	1.30	22.90	2.5	136.0	ND	ND	ND	ND
MW-34	Jun 12	1993.88	17.74	1976.14	--	7.3	3.4	16.4	2.36	24.19	2.4	89.3	860	1.0	ND	ND
MW-35	Jun 12	1991.37	18.90	1972.47	--	7.3	3.4	87.1	3.96	24.30	2.2	100.1	530	ND	ND	ND
MW-36	Jun 12	1955.30	21.26	1934.04	17-37	6.8	3.8	110.0	2.20	25.30	2.5	74.0	130	ND	ND	ND
MW-37	Jun 12	1929.98	19.10	1910.88	17-37	6.9	3.8	200.0	6.30	20.80	2.4	128.0	34	ND	ND	ND
MW-38	Jun 12	1908.38	15.05	1893.33	15-36	6.8	3.9	550.0	5.00	22.00	2.5	124.0	5.8	ND	ND	ND
MW-39	Jun 12	1967.55	26.15	1941.40	15-36	7.3	3.4	252.0	3.31	25.73	2.2	49.7	250	0.63	ND	ND

Notes:

NM = Not Measured
msl = mean sea level
ND = Non Detect
NS = Not Sampled
µg/L = micrograms per liter

ºC = degrees Celsius
g/L = gallons per liter
mg/L = milligrams per lite
mS/cm = milli Siemens per centimeter
mV = milllivolts
NTU = Nephelometric Turbudity Units

FIGURES



0 700 1400

SCALE, FT

SOURCE: GOOGLEMAPS
NOTE: SCALE AND LOCATION IS APPROXIMATE

SITE LOCATION MAP

MARYLAND SQUARE SHOPPING CENTER
3661 S. MARYLAND PARKWAY
LAS VEGAS, NV

PROJECT NUMBER: 85.42620.0001		DATE: 11/18/11	FIGURE 1
APPROVED BY: AS		DRAWN BY: BK	

ATC ASSOCIATES INC.
2925 E. Patrick Lane, Suite M
Las Vegas, Nevada 89120-2457
Ph: (702) 798-5750 *** Fax: (702) 798-5742

LEGEND

- MW-1 GROUNDWATER MONITOR WELL
- PW–1 PUMPING WELL
- 1962.16 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- 1950 GROUNDWATER ELEVATION CONTOUR (5 FT. INTERVALS)
- GROUNDWATER FLOW DIRECTION
- NM NOT MEASURED

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

0 500 1000

SCALE, FT

GROUNDWATER POTENTIOMETRIC MAP (6/11/12 TO 6/14/12)

MARYLAND SQUARE SHOPPING CENTER
3661 S. MARYLAND PARKWAY
LAS VEGAS, NV

PROJECT NUMBER: 85.42620.0001	DATE: 7/20/12	FIGURE
APPROVED BY: AS	DRAWN BY: AK	2

ATC ASSOCIATES INC.
2925 E. Patrick Lane, Suite M
Las Vegas, Nevada 89120-2457
Ph: (702) 798-5750 *** Fax: (702) 798-5742

115,135° 115,13° 115,125° 115,12° 115,115°

36,125° 36,12°

S. MARYLAND PARKWAY
BOULEVARD MALL
RUBY S, THOMAS ELEMENTARY SCHOOL
COMMANCHE DRIVE
ALGONQUIN DR.
SENECA LN.
CHEROKEE LN.
MARICOPA WAY
SPENCER STREET
SPENCER STREET
GOLF COURSE
PUEBLO WAY
EMERSON AVENUE
PACIFIC STREET
SOUTH EASTERN AVENUE
GERONIMO WAY
TIOGA WAY
OTTAWA DRIVE
OTTAWA DRIVE
E. TWAIN AVENUE
E. TWAIN AVENUE
ORR PARK
WILLIAM E. ORR MIDDLE SCHOOL
E. KATIE AVENUE
FLAMINGO WASH

MW-35 530
MW-14 1400
MW-15 4.2
MW-7 10
MW-17 260
MW-12 1.2
MW-34 860
MW-1 410
MW-9 5.7
MW-8 3.5
MW-5 520
MW-4 ABANDONED
MW-13 1500
MW-6 1700
MW-2 490
MW-3 25
MW-10 0.90
MW-21 9.4
MW-22 0.58
MW-19 1000
MW-20 660
MW-16 <0.50
MW-11 1.4
MW-18 1300
MW-23 950
MW-24 1.3
MW-25 640
MW-26 740
MW-33 <0.50
MW-36 130
MW-39 250
MW-32 640
MW-27 440
PW-1
MW-28 0.73
MW-31 44
MW-30 84
PW-2
MW-37 34
MW-38 5.8
MW-29 <0.50

LEGEND

MW-1 GROUNDWATER MONITOR WELL
PW-1 PUMPING WELL
2500 ISOCONTOUR, µg/L
2000 ISOCONTOUR, µg/L
1500 ISOCONTOUR, µg/L
1000 ISOCONTOUR, µg/L
500 ISOCONTOUR, µg/L
100 ISOCONTOUR, µg/L (DASHED WHERE INFERRED
5 ISOCONTOUR, µg/L (DASHED WHERE INFERRED)
540 PCE, µg/L
NS NOT SAMPLED
0,50 PCE PQL, µg/L

NOTE: SCALE AND LOCATIONS ARE APPROXIMATE

0 500 1000
SCALE, FT

PCE ISOCONCENTRATION MAP (6/11/12 TO 6/14/12)

MARYLAND SQUARE SHOPPING CENTER
3661 S. MARYLAND PARKWAY
LAS VEGAS, NV

PROJECT NUMBER: 85,42620,0001		DATE: 7/20/12	FIGURE
APPROVED BY: AS		DRAWN BY: AK	3

ATC ASSOCIATES INC.
2925 E. Patrick Lane, Suite M
Las Vegas, Nevada 89120-2457
Ph: (702) 798-5750 *** Fax: (702) 798-5742

APPENDIX A

FIELD SHEETS

GROUNDWATER LEVEL DATA

ATC ASSOCIATES INC.
2325 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

PROJECT: Maryland Square
DATE: 6/11/12
WEATHER CONDITIONS:

LOCATION:
RECORDED BY: MAcuna
PROJECT NUMBER:
MEASURING DEVICE:

WELL NO.	TIME	DEPTH TO GROUNDWATER (feet)	DEPTH TO GROUNDWATER (feet)	TOTAL DEPTH (feet)	DEPTH TO PRODUCT (feet)	FREE PRODUCT THICKNESS (feet)	DO READING (mg/L)	TEMPERATURE (degrees C or F)	COMMENTS
[redacted]									
MW-36	1125	17.03	~~19.03~~	33.49					
MW-29	1100	13.99	13.99	34.75					
MW-28	1130	15.30	15.30	34.43					
MW-26	1007	15.05	15.05	35.17					
[redacted]	1041	19.10	19.10	39.07					
MW-30	1125	21.42	21.42	39.71					
MW-31	1215	18.37	~~33.40~~	33.40					
MW-27	1250	20.82	20.82	38.28					
MW-32	1330	20.94	20.94	33.75					

GROUNDWATER LEVEL DATA

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

PROJECT: Maryland square
LOCATION: Maryland Parkway
PROJECT NUMBER:
DATE: 6/12/12
RECORDED BY: ADam
MEASURING DEVICE: WLI KECK
WEATHER CONDITIONS:

WELL NO.	TIME	DEPTH TO GROUNDWATER (feet)	DEPTH TO GROUNDWATER (feet)	TOTAL DEPTH (feet)	DEPTH TO PRODUCT (feet)	FREE PRODUCT THICKNESS (feet)	DO READING (mg/L)	TEMPERATURE (degrees C or F)	COMMENTS
MW22	9:27	25.05		35.08					
MW-29	1314	15.49		20.34					
MW-36	1344	21.26		38.08					
MW-26	1424	19.24		35.35					
MW-28	1455	21.06		26.02					

GROUNDWATER LEVEL DATA

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

PROJECT: Maryland Square LOCATION: Maryland Pkwy PROJECT NUMBER:

DATE: 6/13/12 RECORDED BY: MEASURING DEVICE:

WEATHER CONDITIONS:

WELL NO.	TIME	DEPTH TO GROUNDWATER (feet)	DEPTH TO GROUNDWATER (feet)	TOTAL DEPTH (feet)	DEPTH TO PRODUCT (feet)	FREE PRODUCT THICKNESS (feet)	DO READING (mg/L)	TEMPERATURE (degrees C or F)	COMMENTS
MW-3	618	20.43		29.62					
MW-2	643	19.11		29.48					
MW-13	719	19.45		25.12					
MW-5	840	19.75		39.15					
MW-20	913	27.62	27.62	32.39					
MW-19	948	27.88	27.88	30.53					
MW-18	1050	13.60		20.37					
MW-7	1149	19.09		30.22					
MW-1	1234	19.18		25.93					
MW-15	1258	18.90		27.84					
MW-16	1324	17.74		29.09					
MW-14	1401	18.71		30.21					
MW-6	1428	19.71		29.27					
MW-23	1535	17.83		25.35					
MW-39	1626	26.15		38.11					
MW-16	1881	13.80		20.39					

GROUNDWATER LEVEL DATA

ATC ASSOCIATES INC.
2525 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 796-5750 (702) 795-5742 fax

PROJECT: Maryland Square LOCATION: PROJECT NUMBER:

DATE: 6/14/12 RECORDED BY: M Accetta MEASURING DEVICE:

WEATHER CONDITIONS:

WELL NO.	TIME	DEPTH TO GROUNDWATER (feet)	DEPTH TO GROUNDWATER (feet)	TOTAL DEPTH (feet)	DEPTH TO PRODUCT (feet)	FREE PRODUCT THICKNESS (feet)	DO READING (mg/L)	TEMPERATURE (degrees C or F)	COMMENTS
MW-10	9:11	21.76		30.32					
MW-11	9:57	27.37		32.39					
MW-2	10:27	26.77		33.81					
MW-5	10:58	16.70		29.00					
MW-7	11:35	17.78		29.47					
MW-8	12:27	19.32		30.29					
MW-9	12:52	19.45		49.96					
MW-12	1:23	15.37		33.30					

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: A. Ascencio

Well ID: MW-1
Sample ID: MW-1
Sample Collection Date/Time: 6/13/17 1253

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 25.93 feet
Depth to Water: - 19.18 feet
Length of Static Water: 6.75 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 23'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments: _____

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1239	3.581	27.44	7.44	87.4	2.320	5.88	18.06 NTU
	1242	3.547	26.49	7.40	91.8	2.305	3.44	16.54
	1245	3.546	26.01	7.39	93.9	2.300	3.14	15.93
	1248	3.545	25.97	7.30	90.0	2.299	3.00	15.87

Total Water Volume Purged: 9L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments: _____

Well Security: Locking cap? ____ yes ____ no Replaced? Y yes ____ no
Bolts secured? ____ yes Y no Replaced? ____ yes ____ no

1253

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: M. Ascuitt

Well ID: MW-2
Sample ID: MW-2
Sample Collection Date/Time: 6/13/12 701

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 643 2 inch
Depth to Well Bottom: 29.48 feet
Depth to Water: - 19.11 feet
Length of Static Water: 10.37 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 20'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	647	3.347	23.75	7.24	86.3	2.175	3.02	60.9 NTU
	650	3.343	23.61	7.23	86.9	2.173	2.82	72.4
	653	3.342	23.59	7.23	87.0	2.172	2.74	60.0
	656	3.391	23.57	7.23	86.8	2.172	2.56	57.1

Total Water Volume Purged: 5 L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes X no
Bolts secured? X yes ____ no Replaced? ____ yes ____ no

701

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Mercure

Well ID: MW-3
Sample ID: MW-3
Sample Collection Date/Time: 6/7/12 639

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 6.00 2 inch
Depth to Well Bottom: 29.62 feet
Depth to Water: - 20.43 feet
Length of Static Water: 9.19 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 28'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	625	3.978	28.50	7.03	131.1	2.582	2.89	121 NTU
	628	3.973	25.55	7.02	128.6	2.589	2.76	118 NTU
	631	3.972	25.54	7.03	124.7	2.590	2.63	109 NTU
	634	3.980	25.50	7.04	121.7	2.587	2.60	102 NTU

Total Water Volume Purged: 5L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? X yes ____ no
Bolts secured? X yes ____ no Replaced? ____ yes ____ no

639

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Acuña

Well ID: MW-5
Sample ID: MW-5
Sample Collection Date/Time: 6/13/12 902

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 29.15 feet
Depth to Water: 19.25 feet
Length of Static Water: 9.9 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 24

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	848	3.288	26.33	7.35	108.9	2.118	6.50	32.1 MTH
	851	3.286	25.41	7.34	106.5	2.117	6.22	59.6
	854	3.289	25.28	7.33	106.1	2.119	6.13	52.2
	857	3.288	25.30	7.32	106.3	2.118	6.02	50.1

Total Water Volume Purged: 52 Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? X yes ____ no
Bolts secured? X yes ____ no Replaced? ____ yes ____ no

902

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Hearn

Well ID: MW-6
Sample ID: MW-6
Sample Collection Date/Time: 6/13/12 1452

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 29.27 feet
Depth to Water: 19.71 feet
Length of Static Water: 9.56 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 28'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1438	3.098	28.23	7.61	105.6	1.983	7.40	102 MTY
	1441	3.059	27.56	7.58	112.6	1.983	7.49	74.4
	1444	3.056	27.20	7.61	113.8	1.987	7.50	69.5
	1447	3.055	27.25	7.56	114.3	1.993	7.54	57.1

Total Water Volume Purged: 54 Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? X yes ____ no
Bolts secured? XO yes ____ no Replaced? ____ yes ____ no

1452

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam Norm

Well ID: MW-7
Sample ID:
Sample Collection Date/Time: 6/14/12 11:53

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 29.47 feet
Depth to Water: - 17.78 feet
Length of Static Water: 11.69 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 23 ft

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	11:39	3.476	30.36	7.45	-38.0	2.271	5.38	27.0
	11:42	3.488	28.02	7.38	-29.6	2.272	4.92	15.38
	11:45	3.503	27.49	7.36	-35.2	2.280	4.75	7.39
	11:48	3.481	27.56	7.33	-41.8	2.253	4.82	8.0

Total Water Volume Purged: 1 Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments:

Well Security: Locking cap? ✓ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ✓ yes ____ no Replaced? ____ yes ____ no

11:53

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam & Norm

Well ID: MW-8
Sample ID:
Sample Collection Date/Time: 6/14/12 12:44

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 30.24 feet
Depth to Water: - 19.32 feet
Length of Static Water: 10.92 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 25 ft

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments: _____

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	12:30	3.249	32.43	7.60	12.7	1.875	7.66	144
	12:33	3.254	27.93	7.49	26.1	2.115	6.93	135
	12:36	3.249	28.01	7.42	22.7	2.115	6.22	97.2
	12:39	3.244	27.55	7.38	16.5	2.115	6.62	93.1

Total Water Volume Purged: 1.5 Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments: _____

Well Security: Locking cap? ✓ yes ___ no Replaced? ___ yes ___ no
Bolts secured? ___ yes ✓ no Replaced? ___ yes ___ no
1 bolt missing

12:44

S:\Common\Forms\Field forms\New Meter ATC GW Collection Log 11-2011\GW Log

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam & Norm

Well ID: MW-9
Sample ID:
Sample Collection Date/Time: 10/19/12 13:13

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: _____ inch
Depth to Well Bottom: 49.96 feet
Depth to Water: - 19.45 feet
Length of Static Water: 30.51 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 35ft

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	12:59	1.650	31.24	7.82	6.0	1,021	6.54	15.64
	13:02	1.119	29.97	7.78	16.2	.728	5.73	15.35
	13:05	1.132	30.19	7.75	12.1	.737	5.62	14.92
	13:08	.954	30.27	7.64	-8.3	.766	4.72	13.42

Total Water Volume Purged: 1 Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments:

Well Security: Locking cap? ✓ yes DC no Replaced? ____ yes ____ no
Bolts secured? ____ yes ✓ no Replaced? ____ yes ____ no

No well cap

13:13

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Sq cave
Project Number:
Sampler's Name: Adam

Well ID: MW-10
Sample ID:
Sample Collection Date/Time: 01/19/12 9:40

Purging Equipment: Low-Flow
Sampling Equipment: Low-Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 30.32 feet
Depth to Water: - 21.76 feet
Length of Static Water: 8.56 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 28ft

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	9:26	3.072	27.94	7.46	-302.6	2.004	1.15	10.14
	9:29	3.071	27.72	7.37	-282.3	1.995	1.14	10.25
	9:32	3.053	27.56	7.36	-280.7	1.997	.96	11.31
	9:35	3.034	27.50	7.35	-280.0	1.999	.97	10.97

Total Water Volume Purged: 1.5 Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments: Locking mechanism on vault is too stiff. Put lock on & plug

Well Security: Locking cap? ✓ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ✓ yes ____ no Replaced? ____ yes ____ no

9:40

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam

Well ID: MW-11
Sample ID:
Sample Collection Date/Time: 6/14/12 10:15

Purging Equipment: Low-Flow
Sampling Equipment: Low-Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 32.39 feet
Depth to Water: - 27.37 feet
Length of Static Water: 5.02 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 29 ft

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	10:01	3.319	27.02	7.40	-143.2	2.168	1.46	14.23
	10:04	3.334	26.25	7.31	-169.7	2.169	1.13	10.20
	10:07	3.239	25.99	7.27	-189.0	2.121	0.90	7.77
	10:10	3.345	26.07	7.25	-194.1	2.155	0.86	3.91

Total Water Volume Purged: 1 Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments:

Well Security: Locking cap? ✓ yes ___ no Replaced? ___ yes ___ no
Bolts secured? ✓ yes ___ no Replaced? ___ yes ___ no
lock placed on well

10:15

PUP

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam + Norm

Well ID: MW-12
Sample ID:
Sample Collection Date/Time: 10/19/12 13:43

Purging Equipment: Low-flow
Sampling Equipment: Low-flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 33.38 feet
Depth to Water: - 15.39 feet
Length of Static Water: 17.93 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 24 ft

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments: _____

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	13:29	3.503	28.96	7.35	23.8	2.269	3.04	24.5
	13:32	3.496	28.66	7.31	15.1	2.276	2.97	24.6
	13:35	3.500	28.69	7.26	-2.5	2.277	2.86	19.87
	13:38	3.488	28.24	7.25	-18.2	2.268	2.80	15.27

Total Water Volume Purged: _____ Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments: _____

Well Security: Locking cap? ____ yes ✓ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ✓ no Replaced? ____ yes ____ no
- Collar broke
- No lid

13:43

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Ascott

Well ID: MW-13
Sample ID: MW-13
Sample Collection Date/Time: 6/13/12 TDC

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 7 1/8 2 inch
Depth to Well Bottom: 25.12 feet
Depth to Water: - 18.45 feet
Length of Static Water: 6.67 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pumped!

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	721	3.583	24.08	7.18	89.9	2.311	2.72	51.9 NTU
	724	3.550	23.44	7.17	86.5	2.307	1.93	23.0
	727	3.547	23.38	7.16	86.3	2.305	1.90	21.0
	730	3.546	23.36	7.16	86.1	2.305	1.89	19.6

Total Water Volume Purged: 5L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? X yes ____ no
Bolts secured? X yes ____ no Replaced? ____ yes ____ no

736

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Norman Lee

Well ID: [redacted]mw-14
Sample ID: HCmw-14
Sample Collection Date/Time: 6/13/12 1423

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 30.21 feet
Depth to Water: 18.71 feet
Length of Static Water: 11.5 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @24'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1409	3.523	26.44	7.37	102.8	2.291	4.45	33.7 NTU
	1412	3.521	25.84	7.34	104.7	2.287	4.05	146
	1415	3.520	25.71	7.30	105.0	2.285	3.97	127
	1418	3.520	25.77	7.29	104.3	2.285	3.91	122

Total Water Volume Purged: 6L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? X yes ____ no
Bolts secured? X yes ____ no Replaced? ____ yes ____ no

1423

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam Norm

Well ID: MW-15
Sample ID:
Sample Collection Date/Time: 6/14/12 11:16

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 28.00 feet
Depth to Water: - 16.70 feet
Length of Static Water: 11.30 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 22 ft

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	11:02	3.211	28.26	7.34	-67.5	2.091	3.88	31.40
	11:05	3.175	27.85	7.31	-64.1	2,089	3.64	29.31
	11:08	3.207	27.71	7.30	-66.1	2.087	3.66	27.40
	11:11	3.132	27.82	7.31	-61.4	2.041	4.06	25.43

Total Water Volume Purged: 1 Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments: Locks don't have 5 give keys...

Well Security: Locking cap? ✓ yes ___ no Replaced? ___ yes ___ no
Bolts secured? ✓ yes ___ no Replaced? ___ yes ___ no

11:16

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: M. Rosario

Well ID: MW-16
Sample ID: MW-16
Sample Collection Date/Time: 6/21/12 600

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 5:10 2 inch
Depth to Well Bottom: 34.30 feet Pump @ 31'
Depth to Water: - 28.51 feet
Length of Static Water: 5.79 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	550	2.948	25.48	7.27	-13.8	1.918	1.27	Clear, No odor
	552	2.949	25.20	7.22	-15.5	1.917	1.08	"
	554	2.947	25.11	7.21	-22.0	1.915	1.19	"
	556	2.946	25.13	7.21	-22.9	1.915	1.21	"

Total Water Volume Purged: 5 L Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments:

Well Security: Locking cap? X yes ____ no Replaced? ____ yes ____ no
Bolts secured? ✓ yes ____ no Replaced? ____ yes ____ no

600

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Hascall

Well ID: MW-17
Sample ID: MW-17
Sample Collection Date/Time: 6/13/12 1213

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 30.22 feet
Depth to Water: 19.09 feet
Length of Static Water: 11.13 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pumped

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1159	3.500	25.00	7.45	109.5	2.278	1.67	14.59 NTU
	1202	3.499	24.86	7.33	106.1	2.273	1.58	4.95
	1205	3.499	24.42	7.23	101.2	2.273	1.60	5.21
	1208	3.501	24.31	7.20	100.6	2.271	1.57	4.49

Total Water Volume Purged: 5L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? Yes ____ no Replaced? ____ yes ____ no
Bolts secured? Yes ____ no Replaced? ____ yes ____ no

1213

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Accetta

Well ID: MW-18
Sample ID: MW-18
Sample Collection Date/Time: 6-13-12 1117

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 20.37 feet
Depth to Water: 13.80 feet
Length of Static Water: 6.57 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 17'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1058	3.228	25.37	7.48	117.8	2.101	5.10	11.88 NTU
	1101	3.227	25.09	7.39	117.0	2.099	4.86	5.88
	1104	3.225	25.21	7.34	116.5	2.100	4.85	6.33
	1107	3.225	25.23	7.81	115.4	2.101	4.83	6.06

Total Water Volume Purged: 52 Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? X yes ____ no Replaced? ____ yes ____ no
Bolts secured? X yes ____ no Replaced? ____ yes ____ no

1112

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Ascencio

Well ID: MW-19
Sample ID: MW-19
Sample Collection Date/Time: 6/13/12 1013

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 30.53 feet
Depth to Water: - 27.88 feet
Length of Static Water: 2.65 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 29'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	958	3.182	26.14	7.53	103.4	2.060	5.65	37.8 NTU
	1001	3.158	25.92	7.50	102.9	2.050	5.45	30.2
	1004	3.152	25.87	7.48	102.3	2.046	5.32	28.7
	1007	3.149	25.86	7.47	101.8	2.045	5.30	27.1

Total Water Volume Purged: 5 L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____yes ____no Replaced? X yes ____no
Bolts secured? X yes ____no Replaced? ____yes ____no

2012

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Ascuitto

Well ID: mw-20
Sample ID: mw-20
Sample Collection Date/Time: 6/13/12 935

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 32.39 feet
Depth to Water: 27.62 feet
Length of Static Water: 4.77 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth: _____ Feet bgs _____ Feet btoc

Pump @ 30'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments: _____

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	921	3.321	25.53	7.53	89.7	2.156	6.58	56.2 NTU
	924	3.319	25.20	7.45	87.6	2.157	4.00	49.9
	927	3.316	25.54	7.42	87.5	2.155	3.89	42.6
	930	3.314	25.17	7.41	87.2	2.153	3.72	40.1

Total Water Volume Purged: 5L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments: _____

Well Security: Locking cap? ____ yes ____ no Replaced? ✓ yes ____ no
Bolts secured? ✓ yes ____ no Replaced? ____ yes ____ no

935

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adams Norm

Well ID: MW-21
Sample ID:
Sample Collection Date/Time: 6/14/12 10:47

Purging Equipment: Low-Flow
Sampling Equipment: Low-Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 33.81 feet
Depth to Water: - 26.77 feet
Length of Static Water: 7.04 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 30 feet

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? ✓
Comments: _____

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	10:33	3.365	27.77	7.40	-86.7	2.198	2.23	16.10
	10:36	3.362	26.39	7.31	-105.7	2.186	1.25	10.84
	10:39	3.345	26.09	7.28	-118.0	2.185	1.20	9.76
	10:42	3.350	26.21	7.25	-122.4	2.169	1.01	8.57

Total Water Volume Purged: _____ Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments: _____

Well Security: Locking cap? ✓ yes ___ no Replaced? ___ yes ___ no
Bolts secured? ✓ yes ___ no Replaced? ___ yes ___ no

Flood lock on well

10:47

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam

Well ID: MW-22
Sample ID: MW-22
Sample Collection Date/Time: 6/12/12 1300

Purging Equipment: Low-Flow
Sampling Equipment: Low-Flow

Casing Type: PVC
Casing Diameter: 4 Inch
Depth to Well Bottom: 35.08 feet
Depth to Water: 28.05' feet
Length of Static Water: 7.03 feet
Unit Casing Volume: x ______ gallons/foot
Casing Water Volume: ______ gallons
Purging Volumes: x ______ each
Estimated Purge Volume: ______ gallons
Approximate Pump Depth ______ Feet bgs ______ Feet btoc

Pump @ 31'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: ______ Was free product observed? ______
Comments:

Purged (gal.)	Time	Conductance ~~(mS/cm)~~ g/L	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO ~~(mg/L)~~ g/L	Water Description: Color, Turbidity, Sheen, Etc.
	12:46	.410	26.7	6.89	106	2.6	5.0	440
	12:49	.406	26.1	6.84	104	2.6	4.5	360
	12:52	.405	26.2	6.80	103	2.6	4.1	280
	12:55	.405	26.2	6.79	102	2.6	4.0	250

Total Water Volume Purged: .5? Gallons = ______ Well Volumes
Purged Dry (Y/N):
Comments:

Well Security: Locking cap? ✓ yes ✗ no Replaced? ______ yes ______ no
Bolts secured? ✓ yes ✗ no (1 bolt missing) Replaced? ______ yes ______ no

DEP-2 i, 1, 1
SA 1-2, 2, 2, 2

DOO

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: MARYLAND SQUARE
Project Number: 085 42620 0001
Sampler's Name: RKA AK

Well ID: MW 23
Sample ID: MW 23
Sample Collection Date/Time: 06-13-12 1610

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 25 feet
Depth to Water: 17.85 feet
Length of Static Water: 8.5 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? /

Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	15:56	3.307	25.09	7.48	133.3	2.141	3.23	10.3
	15:59	3.288	24.79	7.39	128.3	2.127	3.07	7.13
	16:02	3.278	25.07	7.31	121.9	2.136	5.91	4.70
	16:05	3.189	24.66	7.26	114.3	2.140	5.82	5.07

Total Water Volume Purged: 1 Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments:

Well Security: Locking cap? ✓ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ✓ yes ____ no Replaced? ____ yes ____ no

16:10

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam

Well ID: MW-24
Sample ID: MW-24
Sample Collection Date/Time: 8/12/12 1330

Purging Equipment:
Sampling Equipment:

Casing Type: PVC

Casing Diameter:	4	inch	Pump @ 18'
Depth to Well Bottom:	20.39	feet	
Depth to Water:	- 15.49	feet	
Length of Static Water:	4.9	feet	
Unit Casing Volume:	x	gallons/foot	
Casing Water Volume:		gallons	
Purging Volumes:	x	each	
Estimated Purge Volume:		gallons	
Approximate Pump Depth		Feet bgs	Feet btoc

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: Was free product observed?
Comments:

Purged (gal.)	Time	Conductance ~~µmS/cm~~	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	~~%~~ DO (~~mg/L~~)	Water Description: Color, Turbidity, Sheen, Etc.
	1316	0.376	26.9	6.94	94	2.4	2.7	130
	1319	0.350	25.6	6.88	94	2.3	2.0	140
	1322	0.346	25.4	6.87	94	2.2	1.9	120
	1325	0.342	25.0	6.86	94	2.2	1.8	110

Total Water Volume Purged: 5L Gallons = Well Volumes
Purged Dry (Y/N):
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

XCP 1 SAL 0.18
M 1 1. 0.18
1 0.17

1330

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name:

Well ID: MW-2S
Sample ID: MW-2S
Sample Collection Date/Time: 6/12/12 1516

Purging Equipment: Low ~~Flow~~ Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 26.02 feet
Depth to Water: 21.06 feet
Length of Static Water: 4.96 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pipe at 4'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	3:02	.406	25.7	6.88	89	2.5	3.2	160
	3:05	.387	25.2	6.85	89	2.5	2.9	130
	3:08	.385	25.2	6.84	89	2.5	2.9	79
	3:11	.385	25.2	6.83	89	2.5	2.9	56

Total Water Volume Purged: N/A Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments:

Well Security: Locking cap? ____yes ____no Replaced? ____yes ____no
Bolts secured? ____yes ____no Replaced? ____yes ____no

DRP 1 Sol .2
1 .2

15:16

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name:

Well ID: MW-26
Sample ID: MW-26
Sample Collection Date/Time: 6/12/12 1445

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 35.35 feet
Depth to Water: - 19.29 feet
Length of Static Water: 16.14 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 27'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	~~Conductance~~ SPC (~~mS/cm~~)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	~~DO~~ DO (~~mg/L~~)	Water Description: Color, Turbidity, Sheen, Etc.
	1429	0.431	28.3	6.91	82	2.7	3.4	93
	1432	0.413	26.5	6.86	84	2.6	3.0	88
	1435	0.407	25.8	6.84	85	2.6	2.9	79
	1438	0.405	26.0	6.83	85	2.6	2.8	72

Total Water Volume Purged: 5 L/4.5 Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

DEP 1 SAR 0.21
M 1 T 0.21
0.21

1445

GROUNDWATER COLLECTION LOG

ATC

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: A Aecam

Well ID: MW-27
Sample ID: MW-27
Sample Collection Date/Time: 6/11/11 1311

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 35.28 feet
Depth to Water: 20.82 feet
Length of Static Water: 14.46 feet
Unit Casing Volume: x ______ gallons/foot
Casing Water Volume: ______ gallons
Purging Volumes: x ______ each
Estimated Purge Volume: ______ gallons
Approximate Pump Depth ______ Feet bgs ______ Feet btoc

Pump 28'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: ______ Was free product observed? ______
Comments:

Purged (gal.)	Time	Conductance S/M (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO g/L (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1257	0.393	24.1	6.82	109	2.5	3.2	240 NTU
	1300	0.389	24.1	6.82	109	2.5	3.2	230 NTU
	1303	0.388	23.9	6.81	109	2.4	3.0	230 NTU
	1306	0.387	23.8	6.81	108	2.4	2.9	230 NTU

Total Water Volume Purged: ______ Gallons = ______ Well Volumes
Purged Dry (Y/N): ______
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

DEP 1 SAL 0.20
m 1 T. 0.20
1 0.20

1311

S:\Common\Forms\Field forms\New Meter ATC GW Collection Log 11-2011\GW Log

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Hascock

Well ID: MW-28
Sample ID: MW-28
Sample Collection Date/Time: 6/4/12 950

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 Inch
Depth to Well Bottom: 34.43 feet
Depth to Water: 15.30 feet
Length of Static Water: 19.13 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 25'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments: _____

Purged (gal.)	Time	Conductance ~~(mS/cm)~~	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	936	0.407	22.7	6.83	134	2.6	1.3	45 NTU
	939	0.407	23.0	6.82	133	2.6	1.2	39NTU
	942	0.406	22.8	6.82	133	2.6	1.1	40NTU
	945	0.406	22.7	6.82	133	2.6	1.1	32NTU

Total Water Volume Purged: _____ Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments: _____

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

DEP 0 SAC 0.21
m 8 10 0.22
9 0.22
0 0.22

950

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Hasim

Well ID: MW-29
Sample ID: MW-29
Sample Collection Date/Time: 6-11-12 920

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 34.75 feet
Depth to Water: 13.99 feet
Length of Static Water: 20.76 feet
Unit Casing Volume: x ______ gallons/foot
Casing Water Volume: ______ gallons
Purging Volumes: x ______ each
Estimated Purge Volume: ______ gallons
Approximate Pump Depth ______ Feet bgs ______ Feet btoc

Pump@24'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: ______ Was free product observed? ______
Comments:

Purged (gal.)	Time	Conductance (S/m)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	% DO	Water Description: Color, Turbidity, Sheen, Etc.
	906	0.387	20.7	6.86	133	2.5	5.5	97 NTU
	909	0.381	20.4	6.88	133	2.4	5.4	89 NTU
	912	0.378	20.3	6.87	133	2.4	5.3	81 NTU
	915	0.375	20.3	6.87	133	2.4	5.2	79 NTU

Total Water Volume Purged: ______ Gallons = ______ Well Volumes
Purged Dry (Y/N): ______
Comments:

Well Security: Locking cap? ___ yes ___ no Replaced? ___ yes ___ no
Bolts secured? ___ yes ___ no Replaced? ___ yes ___ no

DEP 0 SAL 0.22
M 0 C/1 0.22
0.21

920

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N Ascanio

Well ID: MW-30
Sample ID: MW-30
Sample Collection Date/Time: 6/21/12 1148

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 Inch
Depth to Well Bottom: 39.71 feet
Depth to Water: - 21.42 feet
Length of Static Water: 18.29 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 31'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance ~~S/m (mS/cm)~~	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO ~~mg/L~~	Water Description: Color, Turbidity, Sheen, Etc.
	1134	0.320	22.9	6.89	125	2.1	5.1	270 NTU
	1137	0.324	21.4	6.89	125	2.0	4.2	220 NTU
	1140	0.321	21.0	6.88	125	2.0	3.9	220 NTU
	1143	0.320	21.0	6.86	125	2.0	3.7	210 NTU

Total Water Volume Purged: _____ Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

DEP 1 SAL 0.17
m 1 % 0.18
1 0.17

1148

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: M. Asaro

Well ID: MW-31
Sample ID: MW-31
Sample Collection Date/Time: 6/11/12 1235

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 33.40 feet
Depth to Water: - 18.37 feet
Length of Static Water: 15.03 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pumped

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance ~~(mS/cm)~~ SPC	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO ~~(mg/L)~~	Water Description: Color, Turbidity, Sheen, Etc.
	1221	0.428	24.0	6.84	121	2.7	4.7	500 NTU
	1224	0.413	23.4	6.81	121	2.6	4.1	460 NTU
	1227	0.412	23.3	6.80	121	2.6	4.0	480 NTU
	1230	0.410	23.2	6.79	121	2.6	3.9	440 NTU

Total Water Volume Purged: _____ Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

DEP 1 SAE 0.22
m 1 " 0.22
0.22

1235

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N Ascano

Well ID: MW-32
Sample ID: MW-32
Sample Collection Date/Time: 6/1/12 1354

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 33.75 feet
Depth to Water: - 20.94 feet
Length of Static Water: 12.81 feet
Unit Casing Volume: x ______ gallons/foot
Casing Water Volume: ______ gallons
Purging Volumes: x ______ each
Estimated Purge Volume: ______ gallons
Approximate Pump Depth ______ Feet bgs ______ Feet btoc

Pampers!

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: ______ Was free product observed? ______
Comments:

Purged (gal.)	Time	Conductance S/M (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	g/L DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1341	0.379	27.2	6.90	101	2.4	5.8	220 NTU
	1344	0.366	26.3	6.90	101	2.3	5.1	230 NTU
	1347	0.371	25.7	6.89	101	2.4	4.9	260 NTU
	1350	0.362	25.1	6.89	101	2.3	4.7	240

Total Water Volume Purged: ______ Gallons = ______ Well Volumes
Purged Dry (Y/N): ______
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

1384

DSP/m | Sal 0.08
| T. 0.08
| 0.15

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number: 055-426220.0001
Sampler's Name: M. Agcaoili

Well ID: MW-33
Sample ID: MW-33
Sample Collection Date/Time: 6/11/12 843

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 Inch
Depth to Well Bottom: 33.97 feet
Depth to Water: 19.03 feet
Length of Static Water: 14.46 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 26'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance ~~µS/cm~~ mS	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	~~mg/L~~ DO ~~(ppm)~~	Water Description: Color, Turbidity, Sheen, Etc.
	830	0.409	23.8	6.91	136	2.6	2.2	140 NTU
	833	0.402	23.0	6.89	137	2.6	1.9	150 NTU
	836	0.399	23.0	6.82	136	2.6	1.4	140 NTU
	839	0.398	22.9	6.79	136	2.5	1-3	130 NTU

Total Water Volume Purged: _____ Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

DEP-1 SAL 0.21 0.21

843

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N Ascatt

Well ID: mw-34
Sample ID: MW-34
Sample Collection Date/Time: 6/13/12 1352

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 29.09 feet
Depth to Water: 17.74 feet
Length of Static Water: 11.35 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 23'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1338	3.642	24.11	7.45	96.3	2.366	2.40	25.8 NTU
	1341	3.640	24.54	7.38	95.1	2.368	2.18	36.6
	1344	3.641	24.42	7.35	91.0	2.367	2.37	14.62
	1347	3.638	24.19	7.34	89.5	2.365	2.36	16.40

Total Water Volume Purged: 5L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? x yes ____ no Replaced? ____ yes ____ no
Bolts secured? x yes ____ no Replaced? ____ yes ____ no

Permanganate 0.0

1352

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: M. Records

Well ID: MW-35
Sample ID: MW-35
Sample Collection Date/Time: 4/13/12 1322

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 27.89 feet
Depth to Water: - 18.90 feet
Length of Static Water: 7.89 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump Pump @ 23'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments:

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1308	3.487	25.43	7.43	96.9	2.264	5.40	73.0 NTU
	1311	3.453	24.42	7.37	100.4	2.242	4.01	86.1
	1314	3.448	24.29	7.35	100.8	2.239	4.00	88.2
	1317	3.441	24.30	7.33	100.1	2.227	3.96	87.1

Total Water Volume Purged: 5L Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments:

Well Security: Locking cap? X yes ___no Replaced? ___yes ___no
Bolts secured? Y yes ___no Replaced? ___yes ___no

Permanganate 0.0

1322

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: [illegible]

Well ID: MW-36
Sample ID: MW-36
Sample Collection Date/Time: 6/12/12 14:02

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 38.08 feet
Depth to Water: 21.86 feet
Length of Static Water: 16.82 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 30'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? [illegible]
Comments: _____

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1:48	.405	26.4	6.87	89	2.6	2.9	180
	1:51	.386	25.2	6.80	82	2.5	2.4	180
	1:54	.386	25.4	6.76	76	2.5	2.2	120
	1:57	.384	25.3	6.76	74	25	2.2	110

Total Water Volume Purged: 5 L Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments: _____

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

Def Sol
1 2
1 2

14:02

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: M. Arcano

Well ID: MW-37
Sample ID: MW-37
Sample Collection Date/Time: 6-11-12 1059

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 4 inch
Depth to Well Bottom: 37.09 feet
Depth to Water: - 19.10 feet
Length of Static Water: 17.97 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

Pump @ 28'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments: _____

Purged (gal.)	Time	~~Conductance (mS/cm)~~ µS/cm	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	~~DO (mg/L)~~ mg/L	Water Description: Color, Turbidity, Sheen, Etc.
	1045	0.385	21.1	6.90	128	2.4	6.7	210 NTU
	1048	0.382	20.9	6.87	128	2.4	6.4	200 NTU
	1051	0.379	20.9	6.85	128	2.4	6.3	200 NTU
	1054	0.380	20.8	6.85	128	2.4	6.3	200 NTU

Total Water Volume Purged: _____ Gallons = _____ Well Volumes
Purged Dry (Y/N): _____
Comments: _____

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

DEP 1 SAL 0.21
M 1 TI 0.21
1 0.21

1059

ATC

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: N. Becerra

Well ID: MW-38
Sample ID: MW-38
Sample Collection Date/Time: 6/1/12 1023

Purging Equipment: Low Flow
Sampling Equipment: Low Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 35.17 feet
Depth to Water: 15.08 feet
Length of Static Water: 20.12 feet
Unit Casing Volume: x ______ gallons/foot
Casing Water Volume: ______ gallons
Purging Volumes: x ______ each
Estimated Purge Volume: ______ gallons
Approximate Pump Depth ______ Feet bgs ______ Feet btoc

Pump @ 25'

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: ______ Was free product observed? ______
Comments:

Purged (gal.)	Time	Conductance S/m (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	g/L DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	1009	0.402	22.4	6.92	124	2.6	6.0	820 NTU
	1012	0.394	22.5	6.88	124	2.5	5.7	810 NTU
	1015	0.391	22.4	6.86	124	2.5	5.1	650 NTU
	1018	0.388	22.0	6.84	124	2.5	5.0	550 NTU

Total Water Volume Purged: ______ Gallons = ______ Well Volumes
Purged Dry (Y/N): ______
Comments:

Well Security: Locking cap? ____ yes ____ no Replaced? ____ yes ____ no
Bolts secured? ____ yes ____ no Replaced? ____ yes ____ no

DEP 1 CAL 0-22
M 1 TI 0-22
0 0-22

1023

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: AK

Well ID: MW-39
Sample ID:
Sample Collection Date/Time: 6/13/12 1648

Purging Equipment: Low-Flow
Sampling Equipment: Low-Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 38.11 feet
Depth to Water: 26.15 feet
Length of Static Water: 11.96 feet
Unit Casing Volume: x _____ gallons/foot
Casing Water Volume: _____ gallons
Purging Volumes: x _____ each
Estimated Purge Volume: _____ gallons
Approximate Pump Depth _____ Feet bgs _____ Feet btoc

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: _____ Was free product observed? _____
Comments: _____

Purged (gal.)	Time	Conductance (mS/cm)	Temp. (°C)	pH (SU)	ORP (mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	16:34	3.415	25.89	7.59	93.9	2.189	8.64	91.5
	16:37	3.074	25.22	7.43	91.8	1.28	8.55	79.4
	16:40	3.426	26.68	7.39	84.5	.125	8.37	45.2
	16:43	3.449	29.55	7.60	78.6	2.241	8.94	28.0
	17:03	3.454	25.04	7.30	62.8	2,240	4,06	630
	17:06	3.438	25.86	7.25	60.8	2,239	3.89	465
	17:09	3.443	25.65	7.24	53.9	2.239	3.59	365
	17:12	3.445	25.73	7.25	49.7	2.240	3.31	252

Total Water Volume Purged: 1 Gallons = _____ Well Volumes
Purged Dry (Y/N): N
Comments: Had to redo because bladder was loose

Well Security: Locking cap? ✓ yes ___ no Replaced? ___ yes ___ no
Bolts secured? ✓ yes ___ no Replaced? ___ yes ___ no

1648

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam K

Well ID: MW-38
Sample ID:
Sample Collection Date/Time: 5/1/12 9:26

Purging Equipment: Low-Flow
Sampling Equipment: Low-Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: ____ feet
Depth to Water: - 14.80 feet 9:00
Length of Static Water: ____ feet 35.02 at 17:45
Unit Casing Volume: x ____ gallons/foot
Casing Water Volume: ____ gallons
Purging Volumes: x ____ each
Estimated Purge Volume: ____ gallons

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: ____ Was free product observed? ____
Comments:

Purged (gal.)	Time	Conductance mS/cm	Temp. (C)	pH	ORP(mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	9:12	3.822	20.93	6.95	98.2	2.483	3.86	clear, no odor
	9:17	3.819	20.90	6.92	88.8	2,492	3.77	clear, no odor
	9:19	3.813	20.86	6.91	85.8	2.478	3.75	" "
	9:21	3.809	20.88	6.90	83.5	2.476	3.77	" "

Total Water Volume Purged: 2 Gallons = ____ Well Volumes
Purged Dry (Y/N): N
Comments:

Well Sec Locking cap? ✓ yes ____ no
Bolts secured? ✓ yes ____ no

GROUNDWATER COLLECTION LOG

ATC ASSOCIATES INC.
2925 EAST PATRICK LANE, SUITE M
LAS VEGAS, NEVADA 89120-2457
(702) 798-5750 (702) 798-5742 fax

Project Name: Maryland Square
Project Number:
Sampler's Name: Adam S

Well ID: MW-39
Sample ID:
Sample Collection Date/Time: 5/1/12 16:34

Purging Equipment: Low-Flow
Sampling Equipment: Low-Flow

Casing Type: PVC
Casing Diameter: 2 inch
Depth to Well Bottom: 38.00 feet
Depth to Water: - 25.38 feet / 6:00
Length of Static Water: feet
Unit Casing Volume: x gallons/foot
Casing Water Volume: gallons
Purging Volumes: x each
Estimated Purge Volume: gallons

2" = 0.16 gal/lin ft.
3" = 0.37 gal/lin ft.
4" = 0.67 gal/lin ft.
6" = 1.47 gal/lin ft.
8" = 2.60 gal/lin ft.
10" = 4.10 gal/lin ft.

Initial sample: Was free product observed?
Comments:

Purged (gal.)	Time	Conductance mS/cm	Temp. (C)	pH	ORP(mV)	TDS (g/L)	DO (mg/L)	Water Description: Color, Turbidity, Sheen, Etc.
	4:20	3.466	25.55	7.14	34.5	2.254	2.00	Cloudy, light brown, No odor
	4:25	3.472	25.33	7.11	26.1	2.257	1.92	Cloudy, light brown, No odor
	4:27	3.472	25.57	7.10	24.8	2.256	1.83	" " "
	4:29	3.469	25.42	7.10	24.2	2.254	1.79	" " "

Total Water Volume Purged: 1.5 Gallons = Well Volumes
Purged Dry (Y/N): N
Comments:

Well Sect Locking cap? ✓ yes ____ no
Bolts secured? ✓ yes ____ no

APPENDIX B

LABORATORY ANALYTICAL REPORTS

June 21, 2012

Andrew Stuart
ATC Associates Inc.
2925 E. Patrick Lane
Las Vegas, NV 89120
TEL: (702) 798-5750
FAX: (702) 798-5742

CA-ELAP No.:2676
NV Cert. No.:NV-009222007A

Workorder No.: N008008

RE: Maryland Square Shopping Center, 085.42620.0

Attention: Andrew Stuart

Enclosed are the results for sample(s) received on June 14, 2012 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

I hereby certify that all laboratory analysis requested were performed by Nevada Division of Environmental Protection-certified laboratory for the parameters and matrices reported herein.

Thank you for the opportunity to service the needs of your company.Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,

for

Jose Tenorio Jr.
Laboratory Director

CLIENT: ATC Associates Inc.
Project: Maryland Square Shopping Center, 085.42620.0
Lab Order: N008008

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Samples were analyzed within method holding time.

Advanced Technology Laboratories, Inc.
3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-1
Lab Order:	N008008	**Collection Date:**	6/13/2012 12:53:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-001		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:15 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:15 PM
Tetrachloroethene	410	1.9	5.0		µg/L	10	6/18/2012 08:12 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 06:15 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:15 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 06:15 PM
Surr: 1,2-Dichloroethane-d4	101	0	56-120		%REC	10	6/18/2012 08:12 PM
Surr: 1,2-Dichloroethane-d4	100	0	56-120		%REC	1	6/15/2012 06:15 PM
Surr: 4-Bromofluorobenzene	99.8	0	80-120		%REC	10	6/18/2012 08:12 PM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	1	6/15/2012 06:15 PM
Surr: Dibromofluoromethane	99.8	0	72-120		%REC	10	6/18/2012 08:12 PM
Surr: Dibromofluoromethane	101	0	72-120		%REC	1	6/15/2012 06:15 PM
Surr: Toluene-d8	101	0	80-123		%REC	10	6/18/2012 08:12 PM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/15/2012 06:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-2
Lab Order:	N008008	**Collection Date:**	6/13/2012 7:01:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-002		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:41 PM
cis-1,2-Dichloroethene	0.60	0.18	0.50		µg/L	1	6/15/2012 06:41 PM
Tetrachloroethene	490	1.9	5.0		µg/L	10	6/18/2012 08:39 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 06:41 PM
Trichloroethene	2.0	0.18	0.50		µg/L	1	6/15/2012 06:41 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 06:41 PM
Surr: 1,2-Dichloroethane-d4	100	0	56-120		%REC	10	6/18/2012 08:39 PM
Surr: 1,2-Dichloroethane-d4	101	0	56-120		%REC	1	6/15/2012 06:41 PM
Surr: 4-Bromofluorobenzene	101	0	80-120		%REC	10	6/18/2012 08:39 PM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	1	6/15/2012 06:41 PM
Surr: Dibromofluoromethane	101	0	72-120		%REC	10	6/18/2012 08:39 PM
Surr: Dibromofluoromethane	102	0	72-120		%REC	1	6/15/2012 06:41 PM
Surr: Toluene-d8	101	0	80-123		%REC	10	6/18/2012 08:39 PM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/15/2012 06:41 PM

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-3
Lab Order:	N008008	**Collection Date:**	6/13/2012 6:39:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-003		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 04:26 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 04:26 PM
Tetrachloroethene	25	0.19	0.50		µg/L	1	6/15/2012 04:26 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 04:26 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 04:26 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 04:26 PM
Surr: 1,2-Dichloroethane-d4	102	0	56-120		%REC	1	6/15/2012 04:26 PM
Surr: 4-Bromofluorobenzene	100	0	80-120		%REC	1	6/15/2012 04:26 PM
Surr: Dibromofluoromethane	105	0	72-120		%REC	1	6/15/2012 04:26 PM
Surr: Toluene-d8	103	0	80-123		%REC	1	6/15/2012 04:26 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-5
Lab Order:	N008008	**Collection Date:**	6/13/2012 9:02:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-004		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:08 PM
cis-1,2-Dichloroethene	1.2	0.18	0.50		µg/L	1	6/15/2012 07:08 PM
Tetrachloroethene	520	1.9	5.0		µg/L	10	6/18/2012 09:06 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 07:08 PM
Trichloroethene	2.5	0.18	0.50		µg/L	1	6/15/2012 07:08 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 07:08 PM
Surr: 1,2-Dichloroethane-d4	102	0	56-120		%REC	10	6/18/2012 09:06 PM
Surr: 1,2-Dichloroethane-d4	102	0	56-120		%REC	1	6/15/2012 07:08 PM
Surr: 4-Bromofluorobenzene	97.7	0	80-120		%REC	10	6/18/2012 09:06 PM
Surr: 4-Bromofluorobenzene	105	0	80-120		%REC	1	6/15/2012 07:08 PM
Surr: Dibromofluoromethane	101	0	72-120		%REC	10	6/18/2012 09:06 PM
Surr: Dibromofluoromethane	102	0	72-120		%REC	1	6/15/2012 07:08 PM
Surr: Toluene-d8	100	0	80-123		%REC	10	6/18/2012 09:06 PM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/15/2012 07:08 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-6
Lab Order:	N008008	**Collection Date:**	6/13/2012 2:52:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-005		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120618A**	QC Batch: **D12VW062**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 11:05 PM
cis-1,2-Dichloroethene	5.4	0.18	0.50		µg/L	1	6/18/2012 11:05 PM
Tetrachloroethene	1700	9.6	25		µg/L	50	6/19/2012 04:17 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 11:05 PM
Trichloroethene	8.5	0.18	0.50		µg/L	1	6/18/2012 11:05 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 11:05 PM
Surr: 1,2-Dichloroethane-d4	76.4	0	56-120		%REC	50	6/19/2012 04:17 PM
Surr: 1,2-Dichloroethane-d4	86.3	0	56-120		%REC	1	6/18/2012 11:05 PM
Surr: 4-Bromofluorobenzene	98.6	0	80-120		%REC	50	6/19/2012 04:17 PM
Surr: 4-Bromofluorobenzene	98.1	0	80-120		%REC	1	6/18/2012 11:05 PM
Surr: Dibromofluoromethane	80.4	0	72-120		%REC	50	6/19/2012 04:17 PM
Surr: Dibromofluoromethane	88.7	0	72-120		%REC	1	6/18/2012 11:05 PM
Surr: Toluene-d8	106	0	80-123		%REC	50	6/19/2012 04:17 PM
Surr: Toluene-d8	96.4	0	80-123		%REC	1	6/18/2012 11:05 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-7
Lab Order:	N008008	**Collection Date:**	6/14/2012 11:53:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-006		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 11:29 AM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 11:29 AM
Tetrachloroethene	10	0.19	0.50		µg/L	1	6/15/2012 11:29 AM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 11:29 AM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 11:29 AM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 11:29 AM
Surr: 1,2-Dichloroethane-d4	107	0	56-120		%REC	1	6/15/2012 11:29 AM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	1	6/15/2012 11:29 AM
Surr: Dibromofluoromethane	107	0	72-120		%REC	1	6/15/2012 11:29 AM
Surr: Toluene-d8	103	0	80-123		%REC	1	6/15/2012 11:29 AM

CLIENT: ATC Associates Inc.
Lab Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0
Lab ID: N008008-007

Client Sample ID: MW-8
Collection Date: 6/14/2012 12:44:00 PM
Matrix: GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 10:35 AM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 10:35 AM
Tetrachloroethene	3.5	0.19	0.50		µg/L	1	6/15/2012 10:35 AM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 10:35 AM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 10:35 AM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 10:35 AM
Surr: 1,2-Dichloroethane-d4	100	0	56-120		%REC	1	6/15/2012 10:35 AM
Surr: 4-Bromofluorobenzene	100	0	80-120		%REC	1	6/15/2012 10:35 AM
Surr: Dibromofluoromethane	104	0	72-120		%REC	1	6/15/2012 10:35 AM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/15/2012 10:35 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-9
Lab Order:	N008008	**Collection Date:**	6/14/2012 1:13:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-008		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 11:02 AM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 11:02 AM
Tetrachloroethene	5.7	0.19	0.50		µg/L	1	6/15/2012 11:02 AM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 11:02 AM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 11:02 AM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 11:02 AM
Surr: 1,2-Dichloroethane-d4	105	0	56-120		%REC	1	6/15/2012 11:02 AM
Surr: 4-Bromofluorobenzene	102	0	80-120		%REC	1	6/15/2012 11:02 AM
Surr: Dibromofluoromethane	106	0	72-120		%REC	1	6/15/2012 11:02 AM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/15/2012 11:02 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-10
Lab Order:	N008008	**Collection Date:**	6/14/2012 9:40:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-009		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 03:06 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 03:06 PM
Tetrachloroethene	0.90	0.19	0.50		µg/L	1	6/15/2012 03:06 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 03:06 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 03:06 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 03:06 PM
Surr: 1,2-Dichloroethane-d4	103	0	56-120		%REC	1	6/15/2012 03:06 PM
Surr: 4-Bromofluorobenzene	101	0	80-120		%REC	1	6/15/2012 03:06 PM
Surr: Dibromofluoromethane	107	0	72-120		%REC	1	6/15/2012 03:06 PM
Surr: Toluene-d8	102	0	80-123		%REC	1	6/15/2012 03:06 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-11
Lab Order:	N008008	**Collection Date:**	6/14/2012 10:15:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-010		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 04:53 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 04:53 PM
Tetrachloroethene	1.4	0.19	0.50		µg/L	1	6/15/2012 04:53 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 04:53 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 04:53 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 04:53 PM
Surr: 1,2-Dichloroethane-d4	105	0	56-120		%REC	1	6/15/2012 04:53 PM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	1	6/15/2012 04:53 PM
Surr: Dibromofluoromethane	104	0	72-120		%REC	1	6/15/2012 04:53 PM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/15/2012 04:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-11Dup
Lab Order:	N008008	**Collection Date:**	6/14/2012 10:15:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-011		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 05:20 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 05:20 PM
Tetrachloroethene	1.2	0.19	0.50		µg/L	1	6/15/2012 05:20 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 05:20 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 05:20 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 05:20 PM
Surr: 1,2-Dichloroethane-d4	105	0	56-120		%REC	1	6/15/2012 05:20 PM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	1	6/15/2012 05:20 PM
Surr: Dibromofluoromethane	104	0	72-120		%REC	1	6/15/2012 05:20 PM
Surr: Toluene-d8	102	0	80-123		%REC	1	6/15/2012 05:20 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-12
Lab Order:	N008008	**Collection Date:**	6/14/2012 1:43:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-012		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 03:33 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 03:33 PM
Tetrachloroethene	1.2	0.19	0.50		µg/L	1	6/15/2012 03:33 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 03:33 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 03:33 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 03:33 PM
Surr: 1,2-Dichloroethane-d4	103	0	56-120		%REC	1	6/15/2012 03:33 PM
Surr: 4-Bromofluorobenzene	102	0	80-120		%REC	1	6/15/2012 03:33 PM
Surr: Dibromofluoromethane	105	0	72-120		%REC	1	6/15/2012 03:33 PM
Surr: Toluene-d8	102	0	80-123		%REC	1	6/15/2012 03:33 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-13
Lab Order:	N008008	**Collection Date:**	6/13/2012 7:36:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-013		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:35 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:35 PM
Tetrachloroethene	1500	9.6	25		µg/L	50	6/18/2012 09:33 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 07:35 PM
Trichloroethene	3.7	0.18	0.50		µg/L	1	6/15/2012 07:35 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 07:35 PM
Surr: 1,2-Dichloroethane-d4	100	0	56-120		%REC	50	6/18/2012 09:33 PM
Surr: 1,2-Dichloroethane-d4	99.7	0	56-120		%REC	1	6/15/2012 07:35 PM
Surr: 4-Bromofluorobenzene	101	0	80-120		%REC	50	6/18/2012 09:33 PM
Surr: 4-Bromofluorobenzene	101	0	80-120		%REC	1	6/15/2012 07:35 PM
Surr: Dibromofluoromethane	101	0	72-120		%REC	50	6/18/2012 09:33 PM
Surr: Dibromofluoromethane	99.8	0	72-120		%REC	1	6/15/2012 07:35 PM
Surr: Toluene-d8	101	0	80-123		%REC	50	6/18/2012 09:33 PM
Surr: Toluene-d8	100	0	80-123		%REC	1	6/15/2012 07:35 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: ATC Associates Inc.
Lab Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0
Lab ID: N008008-014

Client Sample ID: MW-14
Collection Date: 6/13/2012 2:23:00 PM
Matrix: GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 08:02 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 08:02 PM
Tetrachloroethene	1400	9.6	25		µg/L	50	6/19/2012 03:54 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 08:02 PM
Trichloroethene	2.5	0.18	0.50		µg/L	1	6/15/2012 08:02 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 08:02 PM
Surr: 1,2-Dichloroethane-d4	86.8	0	56-120		%REC	50	6/19/2012 03:54 PM
Surr: 1,2-Dichloroethane-d4	101	0	56-120		%REC	1	6/15/2012 08:02 PM
Surr: 4-Bromofluorobenzene	98.7	0	80-120		%REC	50	6/19/2012 03:54 PM
Surr: 4-Bromofluorobenzene	100	0	80-120		%REC	1	6/15/2012 08:02 PM
Surr: Dibromofluoromethane	80.4	0	72-120		%REC	50	6/19/2012 03:54 PM
Surr: Dibromofluoromethane	99.3	0	72-120		%REC	1	6/15/2012 08:02 PM
Surr: Toluene-d8	113	0	80-123		%REC	50	6/19/2012 03:54 PM
Surr: Toluene-d8	99.8	0	80-123		%REC	1	6/15/2012 08:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-15
Lab Order:	N008008	**Collection Date:**	6/14/2012 11:16:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-015		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120615A**	QC Batch: **P12VW041**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 03:59 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 03:59 PM
Tetrachloroethene	4.2	0.19	0.50		µg/L	1	6/15/2012 03:59 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 03:59 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 03:59 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 03:59 PM
Surr: 1,2-Dichloroethane-d4	105	0	56-120		%REC	1	6/15/2012 03:59 PM
Surr: 4-Bromofluorobenzene	100	0	80-120		%REC	1	6/15/2012 03:59 PM
Surr: Dibromofluoromethane	107	0	72-120		%REC	1	6/15/2012 03:59 PM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/15/2012 03:59 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

Advanced Technology Laboratories, Inc.

ANALYTICAL RESULTS

Print Date: *27-Jun-12*

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-16
Lab Order:	N008036	**Collection Date:**	6/21/2012 6:00:00 AM
Project:	Maryland Square, 085.42620.0001	**Matrix:**	GROUNDWATER
Lab ID:	N008036-001A		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120622A**	QC Batch: **P12VW045**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/22/2012 10:11 AM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/22/2012 10:11 AM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/22/2012 10:11 AM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/22/2012 10:11 AM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/22/2012 10:11 AM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/22/2012 10:11 AM
Surr: 1,2-Dichloroethane-d4	102	0	56-120		%REC	1	6/22/2012 10:11 AM
Surr: 4-Bromofluorobenzene	105	0	80-120		%REC	1	6/22/2012 10:11 AM
Surr: Dibromofluoromethane	97.5	0	72-120		%REC	1	6/22/2012 10:11 AM
Surr: Toluene-d8	102	0	80-123		%REC	1	6/22/2012 10:11 AM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-17
Lab Order:	N008008	**Collection Date:**	6/13/2012 12:13:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-017		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:30 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:30 PM
Tetrachloroethene	260	1.9	5.0		µg/L	10	6/18/2012 02:48 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 07:30 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:30 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 07:30 PM
Surr: 1,2-Dichloroethane-d4	85.9	0	56-120		%REC	10	6/18/2012 02:48 PM
Surr: 1,2-Dichloroethane-d4	92.4	0	56-120		%REC	1	6/15/2012 07:30 PM
Surr: 4-Bromofluorobenzene	94.6	0	80-120		%REC	10	6/18/2012 02:48 PM
Surr: 4-Bromofluorobenzene	101	0	80-120		%REC	1	6/15/2012 07:30 PM
Surr: Dibromofluoromethane	83.9	0	72-120		%REC	10	6/18/2012 02:48 PM
Surr: Dibromofluoromethane	89.0	0	72-120		%REC	1	6/15/2012 07:30 PM
Surr: Toluene-d8	105	0	80-123		%REC	10	6/18/2012 02:48 PM
Surr: Toluene-d8	110	0	80-123		%REC	1	6/15/2012 07:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-18
Lab Order:	N008008	**Collection Date:**	6/13/2012 11:12:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-018		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 10:30 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 10:30 PM
Tetrachloroethene	1300	9.6	25		µg/L	50	6/18/2012 05:49 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 10:30 PM
Trichloroethene	3.4	0.18	0.50		µg/L	1	6/15/2012 10:30 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 10:30 PM
Surr: 1,2-Dichloroethane-d4	90.0	0	56-120		%REC	50	6/18/2012 05:49 PM
Surr: 1,2-Dichloroethane-d4	94.8	0	56-120		%REC	1	6/15/2012 10:30 PM
Surr: 4-Bromofluorobenzene	98.9	0	80-120		%REC	50	6/18/2012 05:49 PM
Surr: 4-Bromofluorobenzene	96.3	0	80-120		%REC	1	6/15/2012 10:30 PM
Surr: Dibromofluoromethane	90.8	0	72-120		%REC	50	6/18/2012 05:49 PM
Surr: Dibromofluoromethane	96.6	0	72-120		%REC	1	6/15/2012 10:30 PM
Surr: Toluene-d8	107	0	80-123		%REC	50	6/18/2012 05:49 PM
Surr: Toluene-d8	104	0	80-123		%REC	1	6/15/2012 10:30 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: ATC Associates Inc.
Lab Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0
Lab ID: N008008-019

Client Sample ID: MW-18 Dup
Collection Date: 6/13/2012 11:12:00 AM
Matrix: GROUNDWATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS1_120615B** QC Batch: **D12VW061** PrepDate: Analyst: **QBM**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 10:52 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 10:52 PM
Tetrachloroethene	1300	9.6	25		µg/L	50	6/18/2012 06:12 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 10:52 PM
Trichloroethene	3.4	0.18	0.50		µg/L	1	6/15/2012 10:52 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 10:52 PM
Surr: 1,2-Dichloroethane-d4	90.5	0	56-120		%REC	50	6/18/2012 06:12 PM
Surr: 1,2-Dichloroethane-d4	93.8	0	56-120		%REC	1	6/15/2012 10:52 PM
Surr: 4-Bromofluorobenzene	99.3	0	80-120		%REC	50	6/18/2012 06:12 PM
Surr: 4-Bromofluorobenzene	99.6	0	80-120		%REC	1	6/15/2012 10:52 PM
Surr: Dibromofluoromethane	92.2	0	72-120		%REC	50	6/18/2012 06:12 PM
Surr: Dibromofluoromethane	93.9	0	72-120		%REC	1	6/15/2012 10:52 PM
Surr: Toluene-d8	108	0	80-123		%REC	50	6/18/2012 06:12 PM
Surr: Toluene-d8	99.9	0	80-123		%REC	1	6/15/2012 10:52 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-19
Lab Order:	N008008	**Collection Date:**	6/13/2012 10:12:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-020		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 10:07 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 10:07 PM
Tetrachloroethene	1000	9.6	25		µg/L	50	6/18/2012 05:27 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 10:07 PM
Trichloroethene	3.5	0.18	0.50		µg/L	1	6/15/2012 10:07 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 10:07 PM
Surr: 1,2-Dichloroethane-d4	95.6	0	56-120		%REC	50	6/18/2012 05:27 PM
Surr: 1,2-Dichloroethane-d4	90.4	0	56-120		%REC	1	6/15/2012 10:07 PM
Surr: 4-Bromofluorobenzene	95.4	0	80-120		%REC	50	6/18/2012 05:27 PM
Surr: 4-Bromofluorobenzene	97.3	0	80-120		%REC	1	6/15/2012 10:07 PM
Surr: Dibromofluoromethane	91.5	0	72-120		%REC	50	6/18/2012 05:27 PM
Surr: Dibromofluoromethane	87.4	0	72-120		%REC	1	6/15/2012 10:07 PM
Surr: Toluene-d8	106	0	80-123		%REC	50	6/18/2012 05:27 PM
Surr: Toluene-d8	104	0	80-123		%REC	1	6/15/2012 10:07 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-20
Lab Order:	N008008	**Collection Date:**	6/13/2012 9:35:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-021		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 09:45 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 09:45 PM
Tetrachloroethene	660	3.8	10		µg/L	20	6/18/2012 05:04 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 09:45 PM
Trichloroethene	2.1	0.18	0.50		µg/L	1	6/15/2012 09:45 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 09:45 PM
Surr: 1,2-Dichloroethane-d4	89.0	0	56-120		%REC	20	6/18/2012 05:04 PM
Surr: 1,2-Dichloroethane-d4	95.9	0	56-120		%REC	1	6/15/2012 09:45 PM
Surr: 4-Bromofluorobenzene	92.7	0	80-120		%REC	20	6/18/2012 05:04 PM
Surr: 4-Bromofluorobenzene	98.7	0	80-120		%REC	1	6/15/2012 09:45 PM
Surr: Dibromofluoromethane	90.1	0	72-120		%REC	20	6/18/2012 05:04 PM
Surr: Dibromofluoromethane	97.4	0	72-120		%REC	1	6/15/2012 09:45 PM
Surr: Toluene-d8	108	0	80-123		%REC	20	6/18/2012 05:04 PM
Surr: Toluene-d8	106	0	80-123		%REC	1	6/15/2012 09:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-21
Lab Order:	N008008	**Collection Date:**	6/14/2012 10:47:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-022		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:23 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:23 PM
Tetrachloroethene	9.4	0.19	0.50		µg/L	1	6/15/2012 06:23 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 06:23 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:23 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 06:23 PM
Surr: 1,2-Dichloroethane-d4	96.5	0	56-120		%REC	1	6/15/2012 06:23 PM
Surr: 4-Bromofluorobenzene	106	0	80-120		%REC	1	6/15/2012 06:23 PM
Surr: Dibromofluoromethane	92.5	0	72-120		%REC	1	6/15/2012 06:23 PM
Surr: Toluene-d8	114	0	80-123		%REC	1	6/15/2012 06:23 PM

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-22
Lab Order:	N008008	**Collection Date:**	6/12/2012 1:00:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-023		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 04:53 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 04:53 PM
Tetrachloroethene	0.58	0.19	0.50		µg/L	1	6/15/2012 04:53 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 04:53 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 04:53 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 04:53 PM
Surr: 1,2-Dichloroethane-d4	95.9	0	56-120		%REC	1	6/15/2012 04:53 PM
Surr: 4-Bromofluorobenzene	104	0	80-120		%REC	1	6/15/2012 04:53 PM
Surr: Dibromofluoromethane	90.3	0	72-120		%REC	1	6/15/2012 04:53 PM
Surr: Toluene-d8	112	0	80-123		%REC	1	6/15/2012 04:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: ATC Associates Inc.
Lab Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0
Lab ID: N008008-024

Client Sample ID: MW-23
Collection Date: 6/13/2012 4:10:00 PM
Matrix: GROUNDWATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS1_120615B** QC Batch: **D12VW061** PrepDate: Analyst: **QBM**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 11:15 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 11:15 PM
Tetrachloroethene	950	9.6	25		µg/L	50	6/18/2012 06:35 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 11:15 PM
Trichloroethene	2.3	0.18	0.50		µg/L	1	6/15/2012 11:15 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 11:15 PM
Surr: 1,2-Dichloroethane-d4	89.2	0	56-120		%REC	50	6/18/2012 06:35 PM
Surr: 1,2-Dichloroethane-d4	94.8	0	56-120		%REC	1	6/15/2012 11:15 PM
Surr: 4-Bromofluorobenzene	99.5	0	80-120		%REC	50	6/18/2012 06:35 PM
Surr: 4-Bromofluorobenzene	99.5	0	80-120		%REC	1	6/15/2012 11:15 PM
Surr: Dibromofluoromethane	86.4	0	72-120		%REC	50	6/18/2012 06:35 PM
Surr: Dibromofluoromethane	92.0	0	72-120		%REC	1	6/15/2012 11:15 PM
Surr: Toluene-d8	111	0	80-123		%REC	50	6/18/2012 06:35 PM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/15/2012 11:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-24
Lab Order:	N008008	**Collection Date:**	6/12/2012 1:30:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-025		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:00 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:00 PM
Tetrachloroethene	1.3	0.19	0.50		µg/L	1	6/15/2012 06:00 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 06:00 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:00 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 06:00 PM
Surr: 1,2-Dichloroethane-d4	90.5	0	56-120		%REC	1	6/15/2012 06:00 PM
Surr: 4-Bromofluorobenzene	104	0	80-120		%REC	1	6/15/2012 06:00 PM
Surr: Dibromofluoromethane	88.5	0	72-120		%REC	1	6/15/2012 06:00 PM
Surr: Toluene-d8	112	0	80-123		%REC	1	6/15/2012 06:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-25
Lab Order:	N008008	**Collection Date:**	6/12/2012 3:16:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-026		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 09:22 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 09:22 PM
Tetrachloroethene	640	3.8	10		µg/L	20	6/18/2012 04:41 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 09:22 PM
Trichloroethene	0.88	0.18	0.50		µg/L	1	6/15/2012 09:22 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 09:22 PM
Surr: 1,2-Dichloroethane-d4	87.2	0	56-120		%REC	20	6/18/2012 04:41 PM
Surr: 1,2-Dichloroethane-d4	88.2	0	56-120		%REC	1	6/15/2012 09:22 PM
Surr: 4-Bromofluorobenzene	93.3	0	80-120		%REC	20	6/18/2012 04:41 PM
Surr: 4-Bromofluorobenzene	98.1	0	80-120		%REC	1	6/15/2012 09:22 PM
Surr: Dibromofluoromethane	90.2	0	72-120		%REC	20	6/18/2012 04:41 PM
Surr: Dibromofluoromethane	89.6	0	72-120		%REC	1	6/15/2012 09:22 PM
Surr: Toluene-d8	106	0	80-123		%REC	20	6/18/2012 04:41 PM
Surr: Toluene-d8	103	0	80-123		%REC	1	6/15/2012 09:22 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: ATC Associates Inc.
Lab Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0
Lab ID: N008008-027

Client Sample ID: MW-26
Collection Date: 6/12/2012 2:43:00 PM
Matrix: GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 08:37 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 08:37 PM
Tetrachloroethene	740	3.8	10		µg/L	20	6/18/2012 03:56 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 08:37 PM
Trichloroethene	0.54	0.18	0.50		µg/L	1	6/15/2012 08:37 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 08:37 PM
Surr: 1,2-Dichloroethane-d4	85.2	0	56-120		%REC	20	6/18/2012 03:56 PM
Surr: 1,2-Dichloroethane-d4	89.3	0	56-120		%REC	1	6/15/2012 08:37 PM
Surr: 4-Bromofluorobenzene	95.8	0	80-120		%REC	20	6/18/2012 03:56 PM
Surr: 4-Bromofluorobenzene	102	0	80-120		%REC	1	6/15/2012 08:37 PM
Surr: Dibromofluoromethane	87.6	0	72-120		%REC	20	6/18/2012 03:56 PM
Surr: Dibromofluoromethane	88.1	0	72-120		%REC	1	6/15/2012 08:37 PM
Surr: Toluene-d8	106	0	80-123		%REC	20	6/18/2012 03:56 PM
Surr: Toluene-d8	104	0	80-123		%REC	1	6/15/2012 08:37 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: ATC Associates Inc.
Lab Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0
Lab ID: N008008-028

Client Sample ID: MW-26 Dup
Collection Date: 6/12/2012 2:43:00 PM
Matrix: GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 09:00 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 09:00 PM
Tetrachloroethene	750	3.8	10		µg/L	20	6/18/2012 04:19 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 09:00 PM
Trichloroethene	0.68	0.18	0.50		µg/L	1	6/15/2012 09:00 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 09:00 PM
Surr: 1,2-Dichloroethane-d4	87.0	0	56-120		%REC	20	6/18/2012 04:19 PM
Surr: 1,2-Dichloroethane-d4	92.5	0	56-120		%REC	1	6/15/2012 09:00 PM
Surr: 4-Bromofluorobenzene	100	0	80-120		%REC	20	6/18/2012 04:19 PM
Surr: 4-Bromofluorobenzene	98.2	0	80-120		%REC	1	6/15/2012 09:00 PM
Surr: Dibromofluoromethane	88.1	0	72-120		%REC	20	6/18/2012 04:19 PM
Surr: Dibromofluoromethane	91.1	0	72-120		%REC	1	6/15/2012 09:00 PM
Surr: Toluene-d8	105	0	80-123		%REC	20	6/18/2012 04:19 PM
Surr: Toluene-d8	106	0	80-123		%REC	1	6/15/2012 09:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-27
Lab Order:	N008008	**Collection Date:**	6/11/2012 1:11:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-029		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:53 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:53 PM
Tetrachloroethene	440	1.9	5.0		µg/L	10	6/18/2012 03:11 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 07:53 PM
Trichloroethene	0.97	0.18	0.50		µg/L	1	6/15/2012 07:53 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 07:53 PM
Surr: 1,2-Dichloroethane-d4	80.4	0	56-120		%REC	10	6/18/2012 03:11 PM
Surr: 1,2-Dichloroethane-d4	93.2	0	56-120		%REC	1	6/15/2012 07:53 PM
Surr: 4-Bromofluorobenzene	98.4	0	80-120		%REC	10	6/18/2012 03:11 PM
Surr: 4-Bromofluorobenzene	97.4	0	80-120		%REC	1	6/15/2012 07:53 PM
Surr: Dibromofluoromethane	86.9	0	72-120		%REC	10	6/18/2012 03:11 PM
Surr: Dibromofluoromethane	94.1	0	72-120		%REC	1	6/15/2012 07:53 PM
Surr: Toluene-d8	112	0	80-123		%REC	10	6/18/2012 03:11 PM
Surr: Toluene-d8	106	0	80-123		%REC	1	6/15/2012 07:53 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: ATC Associates Inc.
Lab Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0
Lab ID: N008008-030

Client Sample ID: MW-27 Dup
Collection Date: 6/11/2012 1:11:00 PM
Matrix: GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 08:15 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 08:15 PM
Tetrachloroethene	450	1.9	5.0		µg/L	10	6/18/2012 03:33 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 08:15 PM
Trichloroethene	1.2	0.18	0.50		µg/L	1	6/15/2012 08:15 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 08:15 PM
Surr: 1,2-Dichloroethane-d4	81.8	0	56-120		%REC	10	6/18/2012 03:33 PM
Surr: 1,2-Dichloroethane-d4	86.7	0	56-120		%REC	1	6/15/2012 08:15 PM
Surr: 4-Bromofluorobenzene	96.8	0	80-120		%REC	10	6/18/2012 03:33 PM
Surr: 4-Bromofluorobenzene	106	0	80-120		%REC	1	6/15/2012 08:15 PM
Surr: Dibromofluoromethane	83.9	0	72-120		%REC	10	6/18/2012 03:33 PM
Surr: Dibromofluoromethane	91.4	0	72-120		%REC	1	6/15/2012 08:15 PM
Surr: Toluene-d8	105	0	80-123		%REC	10	6/18/2012 03:33 PM
Surr: Toluene-d8	108	0	80-123		%REC	1	6/15/2012 08:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-28
Lab Order:	N008008	**Collection Date:**	6/11/2012 9:50:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-031		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 05:38 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 05:38 PM
Tetrachloroethene	0.73	0.19	0.50		µg/L	1	6/15/2012 05:38 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 05:38 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 05:38 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 05:38 PM
Surr: 1,2-Dichloroethane-d4	89.7	0	56-120		%REC	1	6/15/2012 05:38 PM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	1	6/15/2012 05:38 PM
Surr: Dibromofluoromethane	91.2	0	72-120		%REC	1	6/15/2012 05:38 PM
Surr: Toluene-d8	117	0	80-123		%REC	1	6/15/2012 05:38 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-29
Lab Order:	N008008	**Collection Date:**	6/11/2012 9:20:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-032		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 05:15 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 05:15 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/15/2012 05:15 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 05:15 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 05:15 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 05:15 PM
Surr: 1,2-Dichloroethane-d4	93.3	0	56-120		%REC	1	6/15/2012 05:15 PM
Surr: 4-Bromofluorobenzene	104	0	80-120		%REC	1	6/15/2012 05:15 PM
Surr: Dibromofluoromethane	93.1	0	72-120		%REC	1	6/15/2012 05:15 PM
Surr: Toluene-d8	111	0	80-123		%REC	1	6/15/2012 05:15 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-30
Lab Order:	N008008	**Collection Date:**	6/11/2012 11:48:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-033		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:45 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 06:45 PM
Tetrachloroethene	84	0.19	0.50		µg/L	1	6/15/2012 06:45 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 06:45 PM
Trichloroethene	0.73	0.18	0.50		µg/L	1	6/15/2012 06:45 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 06:45 PM
Surr: 1,2-Dichloroethane-d4	92.0	0	56-120		%REC	1	6/15/2012 06:45 PM
Surr: 4-Bromofluorobenzene	98.8	0	80-120		%REC	1	6/15/2012 06:45 PM
Surr: Dibromofluoromethane	84.4	0	72-120		%REC	1	6/15/2012 06:45 PM
Surr: Toluene-d8	106	0	80-123		%REC	1	6/15/2012 06:45 PM

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-31
Lab Order:	N008008	**Collection Date:**	6/11/2012 12:35:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-034		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120615B**	QC Batch: **D12VW061**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:08 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/15/2012 07:08 PM
Tetrachloroethene	44	0.19	0.50		µg/L	1	6/15/2012 07:08 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/15/2012 07:08 PM
Trichloroethene	0.52	0.18	0.50		µg/L	1	6/15/2012 07:08 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/15/2012 07:08 PM
Surr: 1,2-Dichloroethane-d4	95.3	0	56-120		%REC	1	6/15/2012 07:08 PM
Surr: 4-Bromofluorobenzene	99.7	0	80-120		%REC	1	6/15/2012 07:08 PM
Surr: Dibromofluoromethane	93.0	0	72-120		%REC	1	6/15/2012 07:08 PM
Surr: Toluene-d8	106	0	80-123		%REC	1	6/15/2012 07:08 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-32
Lab Order:	N008008	**Collection Date:**	6/11/2012 1:54:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-035		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120618A**	QC Batch: **D12VW062**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 10:20 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 10:20 PM
Tetrachloroethene	640	3.8	10		µg/L	20	6/18/2012 08:27 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 10:20 PM
Trichloroethene	2.0	0.18	0.50		µg/L	1	6/18/2012 10:20 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 10:20 PM
Surr: 1,2-Dichloroethane-d4	92.9	0	56-120		%REC	1	6/18/2012 10:20 PM
Surr: 1,2-Dichloroethane-d4	81.6	0	56-120		%REC	20	6/18/2012 08:27 PM
Surr: 4-Bromofluorobenzene	93.4	0	80-120		%REC	1	6/18/2012 10:20 PM
Surr: 4-Bromofluorobenzene	92.2	0	80-120		%REC	20	6/18/2012 08:27 PM
Surr: Dibromofluoromethane	83.1	0	72-120		%REC	1	6/18/2012 10:20 PM
Surr: Dibromofluoromethane	84.9	0	72-120		%REC	20	6/18/2012 08:27 PM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/18/2012 10:20 PM
Surr: Toluene-d8	110	0	80-123		%REC	20	6/18/2012 08:27 PM

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-33
Lab Order:	N008008	**Collection Date:**	6/11/2012 8:43:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-036		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120618A**	QC Batch: **D12VW062**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:03 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:03 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 02:03 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 02:03 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:03 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 02:03 PM
Surr: 1,2-Dichloroethane-d4	90.1	0	56-120		%REC	1	6/18/2012 02:03 PM
Surr: 4-Bromofluorobenzene	98.8	0	80-120		%REC	1	6/18/2012 02:03 PM
Surr: Dibromofluoromethane	88.0	0	72-120		%REC	1	6/18/2012 02:03 PM
Surr: Toluene-d8	109	0	80-123		%REC	1	6/18/2012 02:03 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: ATC Associates Inc.
Lab Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0
Lab ID: N008008-037

Client Sample ID: MW-34
Collection Date: 6/13/2012 1:52:00 PM
Matrix: GROUNDWATER

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS1_120618A** QC Batch: **D12VW062** PrepDate: Analyst: **QBM**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 10:42 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 10:42 PM
Tetrachloroethene	860	3.8	10		µg/L	20	6/18/2012 08:50 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 10:42 PM
Trichloroethene	0.97	0.18	0.50		µg/L	1	6/18/2012 10:42 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 10:42 PM
Surr: 1,2-Dichloroethane-d4	87.2	0	56-120		%REC	1	6/18/2012 10:42 PM
Surr: 1,2-Dichloroethane-d4	82.4	0	56-120		%REC	20	6/18/2012 08:50 PM
Surr: 4-Bromofluorobenzene	99.0	0	80-120		%REC	1	6/18/2012 10:42 PM
Surr: 4-Bromofluorobenzene	97.2	0	80-120		%REC	20	6/18/2012 08:50 PM
Surr: Dibromofluoromethane	89.2	0	72-120		%REC	1	6/18/2012 10:42 PM
Surr: Dibromofluoromethane	83.0	0	72-120		%REC	20	6/18/2012 08:50 PM
Surr: Toluene-d8	99.9	0	80-123		%REC	1	6/18/2012 10:42 PM
Surr: Toluene-d8	111	0	80-123		%REC	20	6/18/2012 08:50 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-35
Lab Order:	N008008	**Collection Date:**	6/13/2012 1:22:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-038		

VOLATILE ORGANIC COMPOUNDS BY GC/MS

EPA 8260B

RunID: **MS1_120618A** QC Batch: **D12VW062** PrepDate: Analyst: **QBM**

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 09:57 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 09:57 PM
Tetrachloroethene	530	1.9	5.0		µg/L	10	6/18/2012 08:05 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 09:57 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 09:57 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 09:57 PM
Surr: 1,2-Dichloroethane-d4	88.1	0	56-120		%REC	1	6/18/2012 09:57 PM
Surr: 1,2-Dichloroethane-d4	83.0	0	56-120		%REC	10	6/18/2012 08:05 PM
Surr: 4-Bromofluorobenzene	97.1	0	80-120		%REC	1	6/18/2012 09:57 PM
Surr: 4-Bromofluorobenzene	94.9	0	80-120		%REC	10	6/18/2012 08:05 PM
Surr: Dibromofluoromethane	88.0	0	72-120		%REC	1	6/18/2012 09:57 PM
Surr: Dibromofluoromethane	80.4	0	72-120		%REC	10	6/18/2012 08:05 PM
Surr: Toluene-d8	100	0	80-123		%REC	1	6/18/2012 09:57 PM
Surr: Toluene-d8	110	0	80-123		%REC	10	6/18/2012 08:05 PM

CLIENT: ATC Associates Inc.
Lab Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0
Lab ID: N008008-039

Client Sample ID: MW-36
Collection Date: 6/12/2012 2:02:00 PM
Matrix: GROUNDWATER

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120618A**	QC Batch: **D12VW062**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 09:12 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 09:12 PM
Tetrachloroethene	130	1.9	5.0		µg/L	10	6/18/2012 07:20 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 09:12 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 09:12 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 09:12 PM
Surr: 1,2-Dichloroethane-d4	86.8	0	56-120		%REC	1	6/18/2012 09:12 PM
Surr: 1,2-Dichloroethane-d4	85.2	0	56-120		%REC	10	6/18/2012 07:20 PM
Surr: 4-Bromofluorobenzene	97.4	0	80-120		%REC	1	6/18/2012 09:12 PM
Surr: 4-Bromofluorobenzene	98.0	0	80-120		%REC	10	6/18/2012 07:20 PM
Surr: Dibromofluoromethane	87.1	0	72-120		%REC	1	6/18/2012 09:12 PM
Surr: Dibromofluoromethane	83.6	0	72-120		%REC	10	6/18/2012 07:20 PM
Surr: Toluene-d8	111	0	80-123		%REC	1	6/18/2012 09:12 PM
Surr: Toluene-d8	108	0	80-123		%REC	10	6/18/2012 07:20 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-37
Lab Order:	N008008	**Collection Date:**	6/11/2012 10:59:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-040		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 12:51 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 12:51 PM
Tetrachloroethene	34	0.19	0.50		µg/L	1	6/18/2012 12:51 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 12:51 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 12:51 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 12:51 PM
Surr: 1,2-Dichloroethane-d4	101	0	56-120		%REC	1	6/18/2012 12:51 PM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	1	6/18/2012 12:51 PM
Surr: Dibromofluoromethane	99.3	0	72-120		%REC	1	6/18/2012 12:51 PM
Surr: Toluene-d8	99.7	0	80-123		%REC	1	6/18/2012 12:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-38
Lab Order:	N008008	**Collection Date:**	6/11/2012 10:23:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-041		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 12:23 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 12:23 PM
Tetrachloroethene	5.8	0.19	0.50		µg/L	1	6/18/2012 12:23 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 12:23 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 12:23 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 12:23 PM
Surr: 1,2-Dichloroethane-d4	101	0	56-120		%REC	1	6/18/2012 12:23 PM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	1	6/18/2012 12:23 PM
Surr: Dibromofluoromethane	97.7	0	72-120		%REC	1	6/18/2012 12:23 PM
Surr: Toluene-d8	100	0	80-123		%REC	1	6/18/2012 12:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-39
Lab Order:	N008008	**Collection Date:**	6/13/2012 4:48:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-042		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120618A**	QC Batch: **D12VW062**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 09:35 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 09:35 PM
Tetrachloroethene	250	1.9	5.0		µg/L	10	6/18/2012 07:42 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 09:35 PM
Trichloroethene	0.63	0.18	0.50		µg/L	1	6/18/2012 09:35 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 09:35 PM
Surr: 1,2-Dichloroethane-d4	82.9	0	56-120		%REC	1	6/18/2012 09:35 PM
Surr: 1,2-Dichloroethane-d4	81.5	0	56-120		%REC	10	6/18/2012 07:42 PM
Surr: 4-Bromofluorobenzene	94.6	0	80-120		%REC	1	6/18/2012 09:35 PM
Surr: 4-Bromofluorobenzene	94.0	0	80-120		%REC	10	6/18/2012 07:42 PM
Surr: Dibromofluoromethane	84.2	0	72-120		%REC	1	6/18/2012 09:35 PM
Surr: Dibromofluoromethane	80.1	0	72-120		%REC	10	6/18/2012 07:42 PM
Surr: Toluene-d8	106	0	80-123		%REC	1	6/18/2012 09:35 PM
Surr: Toluene-d8	108	0	80-123		%REC	10	6/18/2012 07:42 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	N008008	**Collection Date:**	6/11/2012 8:05:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-043		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS1_120618A**	QC Batch: **D12VW062**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:25 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:25 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 02:25 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 02:25 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:25 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 02:25 PM
Surr: 1,2-Dichloroethane-d4	88.8	0	56-120		%REC	1	6/18/2012 02:25 PM
Surr: 4-Bromofluorobenzene	101	0	80-120		%REC	1	6/18/2012 02:25 PM
Surr: Dibromofluoromethane	89.4	0	72-120		%REC	1	6/18/2012 02:25 PM
Surr: Toluene-d8	110	0	80-123		%REC	1	6/18/2012 02:25 PM

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Field Blank
Lab Order:	N008008	**Collection Date:**	6/11/2012 11:57:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-044		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:20 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:20 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 02:20 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 02:20 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:20 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 02:20 PM
Surr: 1,2-Dichloroethane-d4	98.6	0	56-120		%REC	1	6/18/2012 02:20 PM
Surr: 4-Bromofluorobenzene	96.9	0	80-120		%REC	1	6/18/2012 02:20 PM
Surr: Dibromofluoromethane	100	0	72-120		%REC	1	6/18/2012 02:20 PM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/18/2012 02:20 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Equipment Blank
Lab Order:	N008008	**Collection Date:**	6/11/2012 1:20:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-045		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:47 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:47 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 02:47 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 02:47 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 02:47 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 02:47 PM
Surr: 1,2-Dichloroethane-d4	103	0	56-120		%REC	1	6/18/2012 02:47 PM
Surr: 4-Bromofluorobenzene	101	0	80-120		%REC	1	6/18/2012 02:47 PM
Surr: Dibromofluoromethane	102	0	72-120		%REC	1	6/18/2012 02:47 PM
Surr: Toluene-d8	102	0	80-123		%REC	1	6/18/2012 02:47 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	N008008	**Collection Date:**	6/12/2012 8:04:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-046		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 03:14 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 03:14 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 03:14 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 03:14 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 03:14 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 03:14 PM
Surr: 1,2-Dichloroethane-d4	102	0	56-120		%REC	1	6/18/2012 03:14 PM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	1	6/18/2012 03:14 PM
Surr: Dibromofluoromethane	102	0	72-120		%REC	1	6/18/2012 03:14 PM
Surr: Toluene-d8	102	0	80-123		%REC	1	6/18/2012 03:14 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Field Blank
Lab Order:	N008008	**Collection Date:**	6/12/2012 2:11:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-047		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 03:41 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 03:41 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 03:41 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 03:41 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 03:41 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 03:41 PM
Surr: 1,2-Dichloroethane-d4	103	0	56-120		%REC	1	6/18/2012 03:41 PM
Surr: 4-Bromofluorobenzene	99.6	0	80-120		%REC	1	6/18/2012 03:41 PM
Surr: Dibromofluoromethane	103	0	72-120		%REC	1	6/18/2012 03:41 PM
Surr: Toluene-d8	99.2	0	80-123		%REC	1	6/18/2012 03:41 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Equipment Blank
Lab Order:	N008008	**Collection Date:**	6/12/2012 2:05:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-048		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 04:08 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 04:08 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 04:08 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 04:08 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 04:08 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 04:08 PM
Surr: 1,2-Dichloroethane-d4	103	0	56-120		%REC	1	6/18/2012 04:08 PM
Surr: 4-Bromofluorobenzene	102	0	80-120		%REC	1	6/18/2012 04:08 PM
Surr: Dibromofluoromethane	103	0	72-120		%REC	1	6/18/2012 04:08 PM
Surr: Toluene-d8	100	0	80-123		%REC	1	6/18/2012 04:08 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	N008008	**Collection Date:**	6/13/2012 5:25:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-049		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 05:29 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 05:29 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 05:29 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 05:29 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 05:29 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 05:29 PM
Surr: 1,2-Dichloroethane-d4	101	0	56-120		%REC	1	6/18/2012 05:29 PM
Surr: 4-Bromofluorobenzene	101	0	80-120		%REC	1	6/18/2012 05:29 PM
Surr: Dibromofluoromethane	99.1	0	72-120		%REC	1	6/18/2012 05:29 PM
Surr: Toluene-d8	98.9	0	80-123		%REC	1	6/18/2012 05:29 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Field Blank
Lab Order:	N008008	**Collection Date:**	6/13/2012 9:44:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-050		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 05:56 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 05:56 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 05:56 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 05:56 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 05:56 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 05:56 PM
Surr: 1,2-Dichloroethane-d4	103	0	56-120		%REC	1	6/18/2012 05:56 PM
Surr: 4-Bromofluorobenzene	101	0	80-120		%REC	1	6/18/2012 05:56 PM
Surr: Dibromofluoromethane	100	0	72-120		%REC	1	6/18/2012 05:56 PM
Surr: Toluene-d8	100	0	80-123		%REC	1	6/18/2012 05:56 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Equipment Blank
Lab Order:	N008008	**Collection Date:**	6/13/2012 8:16:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-051		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 06:24 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 06:24 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 06:24 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 06:24 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 06:24 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 06:24 PM
Surr: 1,2-Dichloroethane-d4	103	0	56-120		%REC	1	6/18/2012 06:24 PM
Surr: 4-Bromofluorobenzene	99.5	0	80-120		%REC	1	6/18/2012 06:24 PM
Surr: Dibromofluoromethane	101	0	72-120		%REC	1	6/18/2012 06:24 PM
Surr: Toluene-d8	100	0	80-123		%REC	1	6/18/2012 06:24 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Trip Blank
Lab Order:	N008008	**Collection Date:**	6/14/2012 8:40:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-052		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 06:51 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 06:51 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 06:51 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 06:51 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 06:51 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 06:51 PM
Surr: 1,2-Dichloroethane-d4	101	0	56-120		%REC	1	6/18/2012 06:51 PM
Surr: 4-Bromofluorobenzene	97.6	0	80-120		%REC	1	6/18/2012 06:51 PM
Surr: Dibromofluoromethane	102	0	72-120		%REC	1	6/18/2012 06:51 PM
Surr: Toluene-d8	100	0	80-123		%REC	1	6/18/2012 06:51 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Field Blank
Lab Order:	N008008	**Collection Date:**	6/14/2012 12:21:00 PM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-053		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 07:18 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 07:18 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 07:18 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 07:18 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 07:18 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 07:18 PM
Surr: 1,2-Dichloroethane-d4	102	0	56-120		%REC	1	6/18/2012 07:18 PM
Surr: 4-Bromofluorobenzene	99.7	0	80-120		%REC	1	6/18/2012 07:18 PM
Surr: Dibromofluoromethane	99.6	0	72-120		%REC	1	6/18/2012 07:18 PM
Surr: Toluene-d8	101	0	80-123		%REC	1	6/18/2012 07:18 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	Equipment Blank
Lab Order:	N008008	**Collection Date:**	6/14/2012 11:20:00 AM
Project:	Maryland Square Shopping Center, 085.42620.0	**Matrix:**	GROUNDWATER
Lab ID:	N008008-054		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
			EPA 8260B				
RunID: **MS5_120618A**	QC Batch: **P12VW042**			PrepDate:			Analyst: **QBM**
1,1-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 07:45 PM
cis-1,2-Dichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 07:45 PM
Tetrachloroethene	ND	0.19	0.50		µg/L	1	6/18/2012 07:45 PM
trans-1,2-Dichloroethene	ND	0.13	0.50		µg/L	1	6/18/2012 07:45 PM
Trichloroethene	ND	0.18	0.50		µg/L	1	6/18/2012 07:45 PM
Vinyl chloride	ND	0.23	0.50		µg/L	1	6/18/2012 07:45 PM
Surr: 1,2-Dichloroethane-d4	98.7	0	56-120		%REC	1	6/18/2012 07:45 PM
Surr: 4-Bromofluorobenzene	102	0	80-120		%REC	1	6/18/2012 07:45 PM
Surr: Dibromofluoromethane	98.3	0	72-120		%REC	1	6/18/2012 07:45 PM
Surr: Toluene-d8	100	0	80-123		%REC	1	6/18/2012 07:45 PM

Qualifiers:

B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out
E	Value above quantitation range
ND	Not Detected at the Reporting Limit
	Results are wet unless otherwise specified

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **D120615LCS2** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84580**
Client ID: **LCSW** Batch ID: **D12VW061** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1405340**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.940	0.50	20.00	0	99.7	80	120				
cis-1,2-Dichloroethene	19.500	0.50	20.00	0	97.5	80	120				
Tetrachloroethene	19.060	0.50	20.00	0	95.3	80	121				
trans-1,2-Dichloroethene	17.970	0.50	20.00	0	89.8	80	120				
Trichloroethene	21.520	0.50	20.00	0	108	80	120				
Vinyl chloride	20.550	0.50	20.00	0	103	80	120				
Surr: 1,2-Dichloroethane-d4	28.600		25.00		114	56	120				
Surr: 4-Bromofluorobenzene	24.120		25.00		96.5	80	120				
Surr: Dibromofluoromethane	26.310		25.00		105	72	120				
Surr: Toluene-d8	26.440		25.00		106	80	123				

Sample ID: **N008008-016AMS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84580**
Client ID: **ZZZZZZ** Batch ID: **D12VW061** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1405341**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.110	0.50	20.00	0	101	80	120				
cis-1,2-Dichloroethene	19.760	0.50	20.00	0	98.8	79	120				
trans-1,2-Dichloroethene	17.270	0.50	20.00	0	86.4	80	120				
Trichloroethene	22.500	0.50	20.00	2.410	100	80	120				
Vinyl chloride	20.850	0.50	20.00	0	104	77	120				
Surr: 1,2-Dichloroethane-d4	29.800		25.00		119	56	120				
Surr: 4-Bromofluorobenzene	25.310		25.00		101	80	120				
Surr: Dibromofluoromethane	26.800		25.00		107	72	120				
Surr: Toluene-d8	24.220		25.00		96.9	80	123				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **N008008-016AMSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84580**
Client ID: **ZZZZZZ** Batch ID: **D12VW061** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1405342**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.480	0.50	20.00	0	97.4	80	120	20.11	3.18	20	
cis-1,2-Dichloroethene	19.180	0.50	20.00	0	95.9	79	120	19.76	2.98	20	
trans-1,2-Dichloroethene	16.780	0.50	20.00	0	83.9	80	120	17.27	2.88	20	
Trichloroethene	23.340	0.50	20.00	2.410	105	80	120	22.50	3.66	20	
Vinyl chloride	20.030	0.50	20.00	0	100	77	120	20.85	4.01	20	
Surr: 1,2-Dichloroethane-d4	29.200		25.00		117	56	120		0		
Surr: 4-Bromofluorobenzene	24.110		25.00		96.4	80	120		0		
Surr: Dibromofluoromethane	25.080		25.00		100	72	120		0		
Surr: Toluene-d8	24.080		25.00		96.3	80	123		0		

Sample ID: **N008008-016AMS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84580**
Client ID: **ZZZZZZ** Batch ID: **D12VW061** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1405343**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	2339.500	25	1000	1274	107	70	145				
Surr: 1,2-Dichloroethane-d4	1365.000		1250		109	56	120				
Surr: 4-Bromofluorobenzene	1262.500		1250		101	80	120				
Surr: Dibromofluoromethane	1236.000		1250		98.9	72	120				
Surr: Toluene-d8	1319.500		1250		106	80	123				

Sample ID: **N008008-016AMSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84580**
Client ID: **ZZZZZZ** Batch ID: **D12VW061** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1405344**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	2307.500	25	1000	1274	103	70	145	2340	1.38	20	
Surr: 1,2-Dichloroethane-d4	1454.000		1250		116	56	120		0		
Surr: 4-Bromofluorobenzene	1245.000		1250		99.6	80	120		0		
Surr: Dibromofluoromethane	1320.500		1250		106	72	120		0		
Surr: Toluene-d8	1333.500		1250		107	80	123		0		

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **D120615MB5** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84580**
Client ID: **PBW** Batch ID: **D12VW061** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1405345**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
Tetrachloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	21.510		25.00		86.0	56	120				
Surr: 4-Bromofluorobenzene	24.720		25.00		98.9	80	120				
Surr: Dibromofluoromethane	22.170		25.00		88.7	72	120				
Surr: Toluene-d8	26.610		25.00		106	80	123				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **D120618LCS** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84583**
Client ID: **LCSW** Batch ID: **D12VW062** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405445**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.590	0.50	20.00	0	98.0	80	120				
cis-1,2-Dichloroethene	19.520	0.50	20.00	0	97.6	80	120				
Tetrachloroethene	20.300	0.50	20.00	0	102	80	121				
trans-1,2-Dichloroethene	17.210	0.50	20.00	0	86.1	80	120				
Trichloroethene	22.150	0.50	20.00	0	111	80	120				
Vinyl chloride	21.030	0.50	20.00	0	105	80	120				
Surr: 1,2-Dichloroethane-d4	27.980		25.00		112	56	120				
Surr: 4-Bromofluorobenzene	24.240		25.00		97.0	80	120				
Surr: Dibromofluoromethane	24.890		25.00		99.6	72	120				
Surr: Toluene-d8	26.830		25.00		107	80	123				

Sample ID: **N008008-036AMS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84583**
Client ID: **ZZZZZZ** Batch ID: **D12VW062** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405446**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.440	0.50	20.00	0	97.2	80	120				
cis-1,2-Dichloroethene	19.400	0.50	20.00	0	97.0	79	120				
Tetrachloroethene	20.940	0.50	20.00	0	105	70	145				
trans-1,2-Dichloroethene	16.010	0.50	20.00	0	80.1	80	120				
Trichloroethene	21.610	0.50	20.00	0	108	80	120				
Vinyl chloride	20.130	0.50	20.00	0	101	77	120				
Surr: 1,2-Dichloroethane-d4	28.660		25.00		115	56	120				
Surr: 4-Bromofluorobenzene	25.210		25.00		101	80	120				
Surr: Dibromofluoromethane	25.530		25.00		102	72	120				
Surr: Toluene-d8	26.630		25.00		107	80	123				

Sample ID: **N008008-036AMSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84583**
Client ID: **ZZZZZZ** Batch ID: **D12VW062** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405447**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **N008008-036AMSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84583**
Client ID: **ZZZZZZ** Batch ID: **D12VW062** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405447**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.470	0.50	20.00	0	97.4	80	120	19.44	0.154	20	
cis-1,2-Dichloroethene	20.240	0.50	20.00	0	101	79	120	19.40	4.24	20	
Tetrachloroethene	19.990	0.50	20.00	0	100	70	145	20.94	4.64	20	
trans-1,2-Dichloroethene	16.950	0.50	20.00	0	84.8	80	120	16.01	5.70	20	
Trichloroethene	21.920	0.50	20.00	0	110	80	120	21.61	1.42	20	
Vinyl chloride	20.800	0.50	20.00	0	104	77	120	20.13	3.27	20	
Surr: 1,2-Dichloroethane-d4	27.650		25.00		111	56	120		0		
Surr: 4-Bromofluorobenzene	25.340		25.00		101	80	120		0		
Surr: Dibromofluoromethane	24.510		25.00		98.0	72	120		0		
Surr: Toluene-d8	26.890		25.00		108	80	123		0		

Sample ID: **D120618MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84583**
Client ID: **PBW** Batch ID: **D12VW062** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405448**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
Tetrachloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	21.490		25.00		86.0	56	120				
Surr: 4-Bromofluorobenzene	24.320		25.00		97.3	80	120				
Surr: Dibromofluoromethane	21.100		25.00		84.4	72	120				
Surr: Toluene-d8	26.540		25.00		106	80	123				

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **D120619LCS** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84594**
Client ID: **LCSW** Batch ID: **D12VW063** TestNo: **EPA 8260B** Analysis Date: **6/19/2012** SeqNo: **1405944**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	21.540	0.50	20.00	0	108	80	120				
cis-1,2-Dichloroethene	18.970	0.50	20.00	0	94.8	80	120				
Tetrachloroethene	21.780	0.50	20.00	0	109	80	121				
trans-1,2-Dichloroethene	17.520	0.50	20.00	0	87.6	80	120				
Trichloroethene	21.670	0.50	20.00	0	108	80	120				
Vinyl chloride	21.740	0.50	20.00	0	109	80	120				
Surr: 1,2-Dichloroethane-d4	25.910		25.00		104	56	120				
Surr: 4-Bromofluorobenzene	25.020		25.00		100	80	120				
Surr: Dibromofluoromethane	22.940		25.00		91.8	72	120				
Surr: Toluene-d8	27.060		25.00		108	80	123				

Sample ID: **N008024-006AMS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84594**
Client ID: **ZZZZZZ** Batch ID: **D12VW063** TestNo: **EPA 8260B** Analysis Date: **6/19/2012** SeqNo: **1405945**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.420	0.50	20.00	0	102	80	120				
cis-1,2-Dichloroethene	19.480	0.50	20.00	0	97.4	79	120				
Tetrachloroethene	19.500	0.50	20.00	0	97.5	70	145				
trans-1,2-Dichloroethene	16.530	0.50	20.00	0	82.6	80	120				
Trichloroethene	20.040	0.50	20.00	0	100	80	120				
Vinyl chloride	21.730	0.50	20.00	0	109	77	120				
Surr: 1,2-Dichloroethane-d4	26.360		25.00		105	56	120				
Surr: 4-Bromofluorobenzene	24.000		25.00		96.0	80	120				
Surr: Dibromofluoromethane	25.700		25.00		103	72	120				
Surr: Toluene-d8	26.070		25.00		104	80	123				

Sample ID: **N008024-006AMSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84594**
Client ID: **ZZZZZZ** Batch ID: **D12VW063** TestNo: **EPA 8260B** Analysis Date: **6/19/2012** SeqNo: **1405946**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **N008024-006AMSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84594**
Client ID: **ZZZZZZ** Batch ID: **D12VW063** TestNo: **EPA 8260B** Analysis Date: **6/19/2012** SeqNo: **1405946**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	19.880	0.50	20.00	0	99.4	80	120	20.42	2.68	20	
cis-1,2-Dichloroethene	18.480	0.50	20.00	0	92.4	79	120	19.48	5.27	20	
Tetrachloroethene	20.770	0.50	20.00	0	104	70	145	19.50	6.31	20	
trans-1,2-Dichloroethene	16.790	0.50	20.00	0	84.0	80	120	16.53	1.56	20	
Trichloroethene	22.270	0.50	20.00	0	111	80	120	20.04	10.5	20	
Vinyl chloride	20.440	0.50	20.00	0	102	77	120	21.73	6.12	20	
Surr: 1,2-Dichloroethane-d4	27.030		25.00		108	56	120		0		
Surr: 4-Bromofluorobenzene	24.480		25.00		97.9	80	120		0		
Surr: Dibromofluoromethane	25.320		25.00		101	72	120		0		
Surr: Toluene-d8	27.170		25.00		109	80	123		0		

Sample ID: **D120619MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84594**
Client ID: **PBW** Batch ID: **D12VW063** TestNo: **EPA 8260B** Analysis Date: **6/19/2012** SeqNo: **1405947**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
Tetrachloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	21.770		25.00		87.1	56	120				
Surr: 4-Bromofluorobenzene	24.270		25.00		97.1	80	120				
Surr: Dibromofluoromethane	20.940		25.00		83.8	72	120				
Surr: Toluene-d8	27.070		25.00		108	80	123				

Sample ID: **N008025-001ADUP** SampType: **DUP** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84594**
Client ID: **ZZZZZZ** Batch ID: **D12VW063** TestNo: **EPA 8260B** Analysis Date: **6/19/2012** SeqNo: **1405950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **N008025-001ADUP** SampType: **DUP** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84594**
Client ID: **ZZZZZZ** Batch ID: **D12VW063** TestNo: **EPA 8260B** Analysis Date: **6/19/2012** SeqNo: **1405950**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.50						0	0	20	
cis-1,2-Dichloroethene	ND	0.50						0	0	20	
Tetrachloroethene	ND	0.50						0	0	20	
trans-1,2-Dichloroethene	ND	0.50						0	0	20	
Trichloroethene	ND	0.50						0	0	20	
Vinyl chloride	ND	0.50						0	0	20	
Surr: 1,2-Dichloroethane-d4	21.150		25.00		84.6	56	120		0		
Surr: 4-Bromofluorobenzene	24.290		25.00		97.2	80	120		0		
Surr: Dibromofluoromethane	21.680		25.00		86.7	72	120		0		
Surr: Toluene-d8	28.190		25.00		113	80	123		0		

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **P120615LCS** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84552**
Client ID: **LCSW** Batch ID: **P12VW041** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1404146**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.480	0.50	20.00	0	102	80	120				
cis-1,2-Dichloroethene	19.900	0.50	20.00	0	99.5	80	120				
Tetrachloroethene	20.440	0.50	20.00	0	102	80	121				
trans-1,2-Dichloroethene	20.100	0.50	20.00	0	101	80	120				
Trichloroethene	20.120	0.50	20.00	0	101	80	120				
Vinyl chloride	21.280	0.50	20.00	0	106	80	120				
Surr: 1,2-Dichloroethane-d4	25.650		25.00		103	56	120				
Surr: 4-Bromofluorobenzene	26.440		25.00		106	80	120				
Surr: Dibromofluoromethane	25.570		25.00		102	72	120				
Surr: Toluene-d8	25.490		25.00		102	80	123				

Sample ID: **P120615MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84552**
Client ID: **PBW** Batch ID: **P12VW041** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1404147**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
Tetrachloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	25.580		25.00		102	56	120				
Surr: 4-Bromofluorobenzene	25.800		25.00		103	80	120				
Surr: Dibromofluoromethane	26.300		25.00		105	72	120				
Surr: Toluene-d8	24.860		25.00		99.4	80	123				

Sample ID: **N008008-008AMS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84552**
Client ID: **ZZZZZZ** Batch ID: **P12VW041** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1404154**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **N008008-008AMS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84552**
Client ID: **ZZZZZZ** Batch ID: **P12VW041** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1404154**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.370	0.50	20.00	0	102	80	120				
cis-1,2-Dichloroethene	19.570	0.50	20.00	0	97.9	79	120				
Tetrachloroethene	25.270	0.50	20.00	5.660	98.0	70	145				
trans-1,2-Dichloroethene	19.910	0.50	20.00	0	99.6	80	120				
Trichloroethene	19.430	0.50	20.00	0	97.2	80	120				
Vinyl chloride	20.740	0.50	20.00	0	104	77	120				
Surr: 1,2-Dichloroethane-d4	25.990		25.00		104	56	120				
Surr: 4-Bromofluorobenzene	25.220		25.00		101	80	120				
Surr: Dibromofluoromethane	26.440		25.00		106	72	120				
Surr: Toluene-d8	25.760		25.00		103	80	123				

Sample ID: **N008008-008AMSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84552**
Client ID: **ZZZZZZ** Batch ID: **P12VW041** TestNo: **EPA 8260B** Analysis Date: **6/15/2012** SeqNo: **1404155**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	20.060	0.50	20.00	0	100	80	120	20.37	1.53	20	
cis-1,2-Dichloroethene	20.590	0.50	20.00	0	103	79	120	19.57	5.08	20	
Tetrachloroethene	26.030	0.50	20.00	5.660	102	70	145	25.27	2.96	20	
trans-1,2-Dichloroethene	20.060	0.50	20.00	0	100	80	120	19.91	0.751	20	
Trichloroethene	19.550	0.50	20.00	0	97.8	80	120	19.43	0.616	20	
Vinyl chloride	21.370	0.50	20.00	0	107	77	120	20.74	2.99	20	
Surr: 1,2-Dichloroethane-d4	26.650		25.00		107	56	120		0		
Surr: 4-Bromofluorobenzene	25.680		25.00		103	80	120		0		
Surr: Dibromofluoromethane	26.370		25.00		105	72	120		0		
Surr: Toluene-d8	25.980		25.00		104	80	123		0		

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **P120618LCS** SampType: **LCS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84587**
Client ID: **LCSW** Batch ID: **P12VW042** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405565**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	18.570	0.50	20.00	0	92.8	80	120				
cis-1,2-Dichloroethene	17.730	0.50	20.00	0	88.6	80	120				
Tetrachloroethene	19.210	0.50	20.00	0	96.0	80	121				
trans-1,2-Dichloroethene	18.170	0.50	20.00	0	90.9	80	120				
Trichloroethene	18.640	0.50	20.00	0	93.2	80	120				
Vinyl chloride	18.950	0.50	20.00	0	94.8	80	120				
Surr: 1,2-Dichloroethane-d4	24.700		25.00		98.8	56	120				
Surr: 4-Bromofluorobenzene	25.710		25.00		103	80	120				
Surr: Dibromofluoromethane	23.700		25.00		94.8	72	120				
Surr: Toluene-d8	25.420		25.00		102	80	123				

Sample ID: **P120618MB2** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84587**
Client ID: **PBW** Batch ID: **P12VW042** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405566**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
Tetrachloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
Trichloroethene	ND	0.50									
Vinyl chloride	ND	0.50									
Surr: 1,2-Dichloroethane-d4	24.200		25.00		96.8	56	120				
Surr: 4-Bromofluorobenzene	24.750		25.00		99.0	80	120				
Surr: Dibromofluoromethane	24.230		25.00		96.9	72	120				
Surr: Toluene-d8	25.080		25.00		100	80	123				

Sample ID: **N008008-041AMS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84587**
Client ID: **ZZZZZZ** Batch ID: **P12VW042** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CLIENT: ATC Associates Inc.
Work Order: N008008
Project: Maryland Square Shopping Center, 085.42620.0

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **N008008-041AMS** SampType: **MS** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84587**
Client ID: **ZZZZZZ** Batch ID: **P12VW042** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405576**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.070	0.50	20.00	0	85.4	80	120				
cis-1,2-Dichloroethene	17.640	0.50	20.00	0	88.2	79	120				
Tetrachloroethene	23.990	0.50	20.00	5.750	91.2	70	145				
trans-1,2-Dichloroethene	17.940	0.50	20.00	0	89.7	80	120				
Trichloroethene	18.190	0.50	20.00	0	91.0	80	120				
Vinyl chloride	18.180	0.50	20.00	0	90.9	77	120				
Surr: 1,2-Dichloroethane-d4	24.870		25.00		99.5	56	120				
Surr: 4-Bromofluorobenzene	25.460		25.00		102	80	120				
Surr: Dibromofluoromethane	24.500		25.00		98.0	72	120				
Surr: Toluene-d8	25.510		25.00		102	80	123				

Sample ID: **N008008-041AMSD** SampType: **MSD** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84587**
Client ID: **ZZZZZZ** Batch ID: **P12VW042** TestNo: **EPA 8260B** Analysis Date: **6/18/2012** SeqNo: **1405577**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	17.800	0.50	20.00	0	89.0	80	120	17.07	4.19	20	
cis-1,2-Dichloroethene	18.340	0.50	20.00	0	91.7	79	120	17.64	3.89	20	
Tetrachloroethene	23.540	0.50	20.00	5.750	89.0	70	145	23.99	1.89	20	
trans-1,2-Dichloroethene	18.090	0.50	20.00	0	90.4	80	120	17.94	0.833	20	
Trichloroethene	18.430	0.50	20.00	0	92.2	80	120	18.19	1.31	20	
Vinyl chloride	18.310	0.50	20.00	0	91.6	77	120	18.18	0.713	20	
Surr: 1,2-Dichloroethane-d4	25.230		25.00		101	56	120		0		
Surr: 4-Bromofluorobenzene	24.880		25.00		99.5	80	120		0		
Surr: Dibromofluoromethane	24.440		25.00		97.8	72	120		0		
Surr: Toluene-d8	25.390		25.00		102	80	123		0		

Qualifiers:

B Analyte detected in the associated Method Blank
ND Not Detected at the Reporting Limit
DO Surrogate Diluted Out
E Value above quantitation range
R RPD outside accepted recovery limits
Calculations are based on raw values
H Holding times for preparation or analysis exceeded
S Spike/Surrogate outside of limits due to matrix interference

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories INC.
3151-3153 W. Post Rd.
Las Vegas, NV 89118
Tel: (702) 307-2659 • Fax: (702) 307-2691

FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: _____ Date: 6/14/12

Method of Transport: Client ☐ ATL ☐ CA Overn ☐ FedEx ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED 4.1°C Y ☑ N ☐ 4. SEALED Y ☑ N ☐ (ice in bag)
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☑ N ☐
3. CONTAINER INTACT Y ☑ N ☐ 6. PRESERVED Y ☑ N ☐

Client: ATC Associates
Address: 2925 E. Patrick Lane #M
Tel: 702 798 5750
Attention: Andrew Stuart
City: Las Vegas State: NV Zip Code 89120
Fax: 702 798 5792

Project Name: Maryland Square Shopping Center
Project #: 085.42620.0001
Sampler: *I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.* (Printed Name) Norman Ascano (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Norman Ascano	6/14/12	1600		6/14/12	1643

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Norman Ascano 6/14/2012
Print Name Date
Signature

Send Report To:
Attn: Andrew Stuart
Co: ATC
Addr: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip: 89120

Bill To:
Attn: SAME as Send Report To:
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
Email results to andrew.stuart@atcassociates.com

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report

Storage Fees (applies when storage is requested):
- Sample: $2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Lab No.	Sample ID / Location	Date	Time	8260B (Volatiles)	8015M - GRO	8015R - DRO/ORO	PCE TCE DCE VC	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	N008C08-001	MW-1	6/13/2012	1253				x		x			E	3	V	H	
2	2	MW-2	6/13/2012	701				x		x			E	3	V	H	
3	3	MW-3	6/13/2012	639				x		x			E	3	V	H	
4	4	MW-5	6/13/2012	902				x		x			E	3	V	H	
5	5	MW-6	6/13/2012	1452				x		x			E	3	V	H	
6	6	MW-7	6/14/2012	1153				x		x			E	3	V	H	
7	7	MW-8	6/14/2012	1244				x		x			E	3	V	H	
8	8	MW-9	6/14/2012	1313				x		x			E	3	V	H	
9	9	MW-10	6/14/2012	940				x		x			E	3	V	H	
10	10	MW-11	6/14/2012	1015				x		x			E	3	V	H	

- TAT starts 8AM the following day if samples received after 3 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☑ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories INC.
3151-3153 W. Post Rd.
Las Vegas, NV 89118
Tel: (702) 307-2659 • Fax: (702) 307-2691

FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y ☐ N ☐ 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: ATC Associates
Attention: Andrew Stuart
Address: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip Code: 89120
Tel:
Fax:

Project Name: Maryland Square Shopping Center
Project #: 085.42620.0001

Sampler: *I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.*
(Printed Name) Norman Ascano
(Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Norman Ascano	6/14/12	1600	MBCARRIER	6/14/12	1643
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Norman Ascano 6/14/2012
Print Name Date
Signature

Send Report To:
Attn: Andrew Stuart
Co: ATC
Addr: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip: 89120

Bill To:
Attn: SAME as Send Report To:
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
Email results to andrew.stuart@atcassociates.com

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 cays)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA / QC
RTNE ☐
CT ☐
SWRCB ☐ Logcode____
OTHER ____

ITEM	LAB USE ONLY: Lab No.	Sample Description: Sample ID / Location	Date	Time	8260B (Volatiles)	8015M - GRO	8015B - DRO/ORO	PCE-TCE-DCE-VC	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	N008008-011	MW-11 Dup	6/14/2012	1015				x		x			E	3	V	H	
	12	MW-12	6/14/2012	1343				x		x			E	3	V	H	
	13	MW-13	6/13/2012	736				x		x			E	3	V	H	
	14	MW-14	6/13/2012	1423				x		x			E	3	V	H	
	15	MW-15	6/14/2012	1116				x		x			E	3	V	H	
	16	MW-16	6/13/2012	1833				x		x			E	3	V	H	
	17	MW-17	6/13/2012	1213				x		x			E	3	V	H	
	18	MW-18	6/13/2012	1112				x		x			E	3	V	H	
	19	MW-18 Dup	6/13/2012	1112				x		x			E	3	V	H	
	20	MW-19	6/13/2012	1012				x		x			E	3	V	H	

- TAT starts 8AM the following day if samples received after 3 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☑ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories INC.
3151-3153 W. Post Rd.
Las Vegas, NV 89118
Tel: (702) 307-2659 • Fax: (702) 307-2691

FOR LABORATORY USE ONLY

P.O. #: _____

Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y ☐ N ☐ 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: ATC Associates
Attention: Andrew Stuart
Address: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip Code: 89120
Tel:
Fax:

Project Name: Maryland Square Shopping Center
Project #: 085.42620.0001
Sampler: *I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.*
(Printed Name) Norman Ascano
(Signature)

Relinquished by: (Signature and Printed Name)	Date	Time	Received by: (Signature and Printed Name)	Date	Time
Norman Ascano	6/14/12	1600	MBCURTIN	6/14/12	1643

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Norman Ascano 6/14/2012
Print Name Date
Signature

Send Report To:
Attn: Andrew Stuart
Co: ATC
Addr: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip: 89120

Bill To:
Attn: SAME as Send Report To:
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
Email results to andrew.stuart@atcassociates.com

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be dispcsed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode_____ OTHER _____

ITEM	LAB USE ONLY: Lab No.	Sample Description: Sample ID / Location	Date	Time	8260B (Volatiles)	8015M - GRO	8015B - DRO/ORO	PCE	ICE/PCE/VC	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	N008008-021	MW-20	6/13/2012	935				x			x			E	3	V	H	
	22	MW-21	6/14/2012	1047				x			x			E	3	V	H	
	23	MW-22	6/12/2012	1300				x			x			E	3	V	H	
	24	MW-23	6/13/2012	1610				x			x			E	3	V	H	
	25	MW-24	6/12/2012	1330				x			x			E	3	V	H	
	26	MW-25	6/12/2012	1516				x			x			E	3	V	H	
	27	MW-26	6/12/2012	1443				x			x			E	3	V	H	
	28	MW-26 Dup	6/12/2012	1443				x			x			E	3	V	H	
	29	MW-27	6/11/2012	1311				x			x			E	3	V	H	
	30	MW-27 Dup	6/11/2012	1311				x			x			E	3	V	H	

- TAT starts 8AM the following day if samples received after 3 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☑ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl $N=HNO_3$ $S=H_2SO_4$ C=4°C $Z=Zn(AC)_2$ O=NaOH $T=Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories INC.
3151-3153 W. Post Rd.
Las Vegas, NV 89118
Tel: (702) 307-2659 • Fax: (702) 307-2691

FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: _____

Sample Condition Upon Receipt
1. CHILLED Y ☐ N ☐ 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: ATC Associates
Attention: Andrew Stuart
Address: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip Code: 89120
Tel:
Fax:

Project Name: Maryland Square Shopping Center
Project #: 085.42620.0001
Sampler: *I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.*
(Printed Name) Norman Ascano
(Signature)

Relinquished by: (Signature and Printed Name) Norman Ascano Date: 6/14/12 Time: 1600
Received by: (Signature and Printed Name) MB CARTIN Date: 6/14/12 Time: @1643

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Norman Ascano 6/14/2012
Print Name Date
Signature

Send Report To:
Attn: Andrew Stuart
Co: ATC
Addr: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip: 89120

Bill To:
Attn: SAME as Send Report To:
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
Email results to andrew.stuart@atcassociates.com

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA / QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode_____ OTHER _____

ITEM	LAB USE ONLY: Lab No.	Sample ID / Location	Date	Time	8260B (Volatiles)	8015M - GRO	8015B - DRO/ORO	PCE, TCE, DCE, VC	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	1100800E-031	MW-28	6/11/2012	950				x			x		E	3	V	H	
	32	MW-29	6/11/2012	920				x			x		E	3	V	H	
	33	MW-30	6/11/2012	1148				x			x		E	3	V	H	
	34	MW-31	6/11/2012	1235				x			x		E	3	V	H	
	35	MW-32	6/11/2012	1354				x			x		E	3	V	H	
	36	MW-33	6/11/2012	843				x			x		E	3	V	H	
	37	MW-34	6/13/2012	1352				x			x		E	3	V	H	
	38	MW-35	6/13/2012	1322				x			x		E	3	V	H	
	39	MW-36	6/12/2012	1402				x			x		E	3	V	H	
	40	MW-37	6/11/2012	1059				x			x		E	3	V	H	

- TAT starts 8AM the following day if samples received after 3 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☑ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories INC.
3151-3153 W. Post Rd.
Las Vegas, NV 89118
Tel: (702) 307-2659 • Fax: (702) 307-2691

FOR LABORATORY USE ONLY

P.O. #: _____

Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: _____

Sample Condition Upon Receipt: 1. CHILLED Y ☐ N ☐ 4. SEALED Y ☐ N ☐ 2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐ 3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: ATC Associates
Attention: Andrew Stuart
Address: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip Code: 89120
Tel:
Fax:

Project Name: Maryland Square Shopping Center
Project #: 085.42620.0001
Sampler: *I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.* (Printed Name) Norman Ascano (Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Norman Ascano	6/14/12	1600		6/19/12	1643

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter: Norman Ascano 6/14/2012
Print Name Date
Signature

Send Report To:
Attn: Andrew Stuart
Co: ATC
Addr: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip: 89120

Bill To:
Attn: SAME as Send Report To:
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
Email results to andrew.stuart@atcassociates.com

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

PRESERVATION

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode_____ OTHER _____

ITEM	LAB USE ONLY: Lab No.	Sample Description: Sample ID / Location	Date	Time	8260B (Volatiles)	8015M - GRO	8015B - DRO/ORO	PCE, TCE, DCE, VC	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	M6080008-041	MW-38	6/11/2012	1023				x		x			E	3	V	H	
	42	MW-39	6/13/2012	1648				x		x			E	3	V	H	
	43	Trip Blank	6/11/2012	805				x		x			E	3	V	H	
	44	Field Blank	6/11/2012	1157				x		x			E	3	V	H	
	45	Equipment Blank	6/11/2012	1320				x		x			E	3	V	H	
	46	Trip Blank	6/12/2012	804				x		x			E	3	V	H	
	47	Field Blank	6/12/2012	1411				x		x			E	3	V	H	
	48	Equipment Blank	6/12/2012	1405				x		x			E	3	V	H	
	49	Trip Blank	6/13/2012	525				x		x			E	3	V	H	
	50	Field Blank	6/13/2012	944				x		x			E	3	V	H	

■ TAT starts 8AM the following day if samples received after 3 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☑ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=HCl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

CHAIN OF CUSTODY RECORD

Advanced Technology Laboratories INC.
3151-3153 W. Post Rd.
Las Vegas, NV 89118
Tel: (702) 307-2659 • Fax: (702) 307-2691

FOR LABORATORY USE ONLY

P.O. #: _____
Logged By: _____ Date: _____

Method of Transport: Client ☐ ATL ☐ CA OverN ☐ FedEx ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED Y ☐ N ☐ 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ 6. PRESERVED Y ☐ N ☐

Client: ATC Associates
Address: 2925 E. Patrick Lane, #M
Tel:
Attention: Andrew Stuart
City: Las Vegas State: NV Zip Code: 89120
Fax:

Project Name: Maryland Square Shopping Center
Project #: 085.42620.0001
Sampler: *I attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.*
(Printed Name) Norman Ascano
(Signature)

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
	6/14/12	1600	MBCARTIN	6/14/12	1643
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Norman Ascano 6/14/2012
Print Name Date
Signature

Send Report To:
Attn: Andrew Stuart
Co: ATC
Addr: 2925 E. Patrick Lane, #M
City: Las Vegas State: NV Zip: 89120

Bill To:
Attn: SAME as Send Report To:
Co:
Addr:
City: State: Zip:

Special Instructions/Comments:
Email results to andrew.stuart@atcassociates.com

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample :$2.00 / sample /mo (after 45 days)
- Records: $1 /ATL workorder /mo (after 1 year)

Circle or Add Analysis(es) Requested

SPECIFY APPROPRIATE MATRIX

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode_____ OTHER _____

ITEM	LAB USE ONLY: Lab No.	Sample Description: Sample ID / Location	Date	Time	8260B (Volatiles)	8015M - GRO	8015B - DRO/ORO	PCE	ICE/PRES YC	SOIL	WATER	GROUND WATER	WASTEWATER	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
	NOV8008-051	Equipment Blank	6/13/2012	816				x				x		E	3	V	H	
	52	Trip Blank	6/14/2012	840				x				x		E	3	V	H	
	53	Field Blank	6/14/2012	1221				x				x		E	3	V	H	
	54	Equipment Blank	6/14/2012	1120				x				x		E	3	V	H	
								x				x		E	3	V	H	
								x				x		E	3	V	H	
								x				x		E	3	V	H	
								x				x		E	3	V	H	
								x				x		E	3	V	H	
								x				x		E	3	V	H	

- TAT starts 8AM the following day if samples received after 3 PM

TAT: ☐ A = Overnight ≤ 24 hrs ☐ B = Emergency Next Workday ☐ C = Critical 2 Workdays ☐ D = Urgent 3 Workdays ☑ E = Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives:
H=HCl N=HNO_3 S=H_2SO_4 C=4°C
Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Advanced Technology Laboratories, Inc.

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	6/14/2012	Workorder:	N008008
Rep sample Temp (Deg C):	4.1	IR Gun ID:	2
Temp Blank:	☐ Yes ☑ No		
Carrier name:	ATL		
Last 4 digits of Tracking No.:	na	Packing Material Used:	Bubble Wrap
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ None		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☑	No ☐	NA ☐
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed B MBC 6/15/12

Reviewed By:

Nancy Sibucao

From: Andrew Stuart [andrew.stuart@atcassociates.com]
Sent: Wednesday, June 20, 2012 8:36 AM
To: Marlon Cartin
Cc: Nancy Sibucao
Subject: RE: MW-16

Yes please remove. It was the wrong well that was sampled.

Andrew D. Stuart, CEM, LEED AP | Operations Manager | ATC Associates Inc. | Las Vegas

2925 East Patrick Lane | Suite M | Las Vegas, Nevada 89120
702-798-5750 ex. 237 | 702-524-1454 mobile | 702-798-5742 fax | www.atcassociates.com

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From: Marlon Cartin [mailto:marlon@atl-labs.com]
Sent: Wednesday, June 20, 2012 8:23 AM
To: Andrew Stuart
Cc: Nancy Sibucao
Subject: MW-16

Hi Andrew!

Good morning!
Adam called yesterday and canceling the above sample ID for project Maryland Square Shopping Center, 085.42620.0001. We will remove the sample from the report. However, his name was not on the COC. I just want to get an approval from you to remove it when we generate the report.

Thanks,

Marlon B. Cartin

Advanced Technology Laboratories, Inc.

3151 W. Post Road

Las Vegas, NV 89118

Phone: 702-307-2659 ext 410

Mobile: 702-439-0421

www.atl-labs.com

May 02, 2012

Andrew Stuart
ATC Associates Inc.
2925 E. Patrick Lane
Las Vegas, NV 89120
TEL: (702) 798-5750
FAX: (702) 798-5742

CA-ELAP No.:2676
NV Cert. No.:NV-009222007A

Workorder No.: N007780

RE: Maryland Square

Attention: Andrew Stuart

Enclosed are the results for sample(s) received on May 01, 2012 by Advanced Technology Laboratories, Inc. . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

I hereby certify that all laboratory analysis requested were performed by Nevada Division of Environmental Protection-certified laboratory for the parameters and matrices reported herein.

Thank you for the opportunity to service the needs of your company.Please feel free to call me at (702) 307-2659 if I can be of further assistance to your company.

Sincerely,

Jose Tenorio Jr.
Laboratory Director

CLIENT: ATC Associates Inc.
Project: Maryland Square
Lab Order: N007780

CASE NARRATIVE

SAMPLE RECEIVING/GENERAL COMMENTS:

Samples were received intact with proper chain of custody documentation.

Cooler temperature and sample preservation were verified upon receipt of samples if applicable.

Information on sample receipt conditions including discrepancies can be found in attached Sample Receipt Checklist Form.

Samples were analyzed within method holding time.

Advanced Technology Laboratories, Inc.
3151 W. Post Rd Las Vegas, NV 89118 Tel: 702-307-2659 Fax: 702-307-2691

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-38
Lab Order:	N007780	**Collection Date:**	5/1/2012 7:26:00 AM
Project:	Maryland Square	**Matrix:**	GROUNDWATER
Lab ID:	N007780-001		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
EPA 8260B							
RunID: **MS1_120501A**	QC Batch: **D12VW049**			PrepDate:			Analyst: **QBM**
Tetrachloroethene	4.6	0.19	0.50		µg/L	1	5/1/2012 07:02 PM
Surr: 1,2-Dichloroethane-d4	85.6	0	56-120		%REC	1	5/1/2012 07:02 PM
Surr: 4-Bromofluorobenzene	116	0	80-120		%REC	1	5/1/2012 07:02 PM
Surr: Dibromofluoromethane	89.5	0	72-120		%REC	1	5/1/2012 07:02 PM
Surr: Toluene-d8	115	0	80-123		%REC	1	5/1/2012 07:02 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT:	ATC Associates Inc.	**Client Sample ID:**	MW-39
Lab Order:	N007780	**Collection Date:**	5/1/2012 4:34:00 PM
Project:	Maryland Square	**Matrix:**	GROUNDWATER
Lab ID:	N007780-002		

Analyses	Result	MDL	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS							
EPA 8260B							
RunID: **MS1_120501A**	QC Batch: **D12VW049**			PrepDate:			Analyst: **QBM**
Tetrachloroethene	220	1.9	5.0		µg/L	10	5/1/2012 10:33 PM
Surr: 1,2-Dichloroethane-d4	88.6	0	56-120		%REC	10	5/1/2012 10:33 PM
Surr: 1,2-Dichloroethane-d4	84.6	0	56-120		%REC	1	5/1/2012 07:23 PM
Surr: 4-Bromofluorobenzene	103	0	80-120		%REC	10	5/1/2012 10:33 PM
Surr: 4-Bromofluorobenzene	112	0	80-120		%REC	1	5/1/2012 07:23 PM
Surr: Dibromofluoromethane	81.5	0	72-120		%REC	10	5/1/2012 10:33 PM
Surr: Dibromofluoromethane	85.4	0	72-120		%REC	1	5/1/2012 07:23 PM
Surr: Toluene-d8	104	0	80-123		%REC	10	5/1/2012 10:33 PM
Surr: Toluene-d8	108	0	80-123		%REC	1	5/1/2012 07:23 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
DO	Surrogate Diluted Out		

CLIENT: ATC Associates Inc.
Work Order: N007780
Project: Maryland Square

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **D120501LCS**	SampType: **LCS**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **84098**
Client ID: **LCSW**	Batch ID: **D12VW049**	TestNo: **EPA 8260B**		Analysis Date: **5/1/2012**	SeqNo: **1388847**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	18.290	0.50	20.00	0	91.4	80	121				
Surr: 1,2-Dichloroethane-d4	24.640		25.00		98.6	56	120				
Surr: 4-Bromofluorobenzene	25.000		25.00		100	80	120				
Surr: Dibromofluoromethane	25.200		25.00		101	72	120				
Surr: Toluene-d8	24.740		25.00		99.0	80	123				

Sample ID: **N007755-002DMS**	SampType: **MS**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **84098**
Client ID: **ZZZZZZ**	Batch ID: **D12VW049**	TestNo: **EPA 8260B**		Analysis Date: **5/1/2012**	SeqNo: **1388848**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	17.690	0.50	20.00	0	88.4	70	145				
Surr: 1,2-Dichloroethane-d4	21.510		25.00		86.0	56	120				
Surr: 4-Bromofluorobenzene	25.170		25.00		101	80	120				
Surr: Dibromofluoromethane	22.800		25.00		91.2	72	120				
Surr: Toluene-d8	24.680		25.00		98.7	80	123				

Sample ID: **N007755-002DMSD**	SampType: **MSD**	TestCode: **8260_WP_LL**	Units: **µg/L**	Prep Date:	RunNo: **84098**
Client ID: **ZZZZZZ**	Batch ID: **D12VW049**	TestNo: **EPA 8260B**		Analysis Date: **5/1/2012**	SeqNo: **1388849**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	17.210	0.50	20.00	0	86.1	70	145	17.69	2.75	20	
Surr: 1,2-Dichloroethane-d4	22.830		25.00		91.3	56	120		0		
Surr: 4-Bromofluorobenzene	27.630		25.00		111	80	120		0		
Surr: Dibromofluoromethane	23.580		25.00		94.3	72	120		0		
Surr: Toluene-d8	26.580		25.00		106	80	123		0		

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CLIENT: ATC Associates Inc.
Work Order: N007780
Project: Maryland Square

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_WP_LL

Sample ID: **D120501MB5** SampType: **MBLK** TestCode: **8260_WP_LL** Units: **µg/L** Prep Date: RunNo: **84098**
Client ID: **PBW** Batch ID: **D12VW049** TestNo: **EPA 8260B** Analysis Date: **5/1/2012** SeqNo: **1388850**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene	ND	0.50									
Surr: 1,2-Dichloroethane-d4	20.170		25.00		80.7	56	120				
Surr: 4-Bromofluorobenzene	27.040		25.00		108	80	120				
Surr: Dibromofluoromethane	21.300		25.00		85.2	72	120				
Surr: Toluene-d8	27.190		25.00		109	80	123				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		

CHAIN OF CUSTODY RECORD

Pg ____ of ____

Advanced Technology Laboratories INC
3151 W. Post Road
Las Vegas, NV 89118
(702) 307-2659 • Fax (702) 307-2691

FOR LABORATORY USE ONLY:

P.O.#: ____

Logged By: ____ Date: 5/1/12

Method of Transport: Client ☐ ATL ☑ CA OverN ☐ FEDEX ☐ Other: ____

Sample Condition Upon Receipt
1. CHILLED 2.4°C Y☑ N☐ ICE 1842
2. HEADSPACE (VOA) Y☐ N☑
3. CONTAINER INTACT Y☑ N☐
4. SEALED Y☑ N☐
5. # OF SPLS MATCH COC Y☑ N☐
6. PRESERVED Y☑ N☐

Client: Maryland Square Shopping Center
Attn:
Address: 2925 E Patrick Lane Suite M
City Las Vegas State NV Zip Code 89120
TEL: (702) 798-5750
FAX: ( )

Project Name: Maryland Square Project #: /
Sampler: I attest to the validity and authenticity of this sample, I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.
(Printed Name) Adam Kattlen
(Signature) Adam Kattlen

Relinquished by: (Signature and Printed Name) Adam Kattlen Adam Kattlen Date: 5/1/12 Time: 17:39
Received by: (Signature and Printed Name) M.BOARTIN Date: 5/1/12 Time: 1739

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

Relinquished by: (Signature and Printed Name) Date: Time:
Received by: (Signature and Printed Name) Date: Time:

I hereby authorize ATL to perform the work indicated below:
Project Mgr /Submitter:
Andrew Stuart 5/1/12
Print Name Date
Signature

Send Report To:
Attn: andrew stuart@atlaslabs.com
Co: /
Address 5975 E Patrick
City Las Vegas State NV Zip 89120

Bill To:
Attn: /
Co:
Address
City State Zip

Special Instructions/Comments:
Turnaround by 12:00 5/2/12

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):
- Sample : $2.00 / sample / mo (after 45 days)
- Records : $1.00 / ATL workorder / mo (after 1 year)

Circle or Add Analysis(es) Requested: 8260B (VOC), 8260B (BTEX), (MTBE), 8015B (GRO), 8015B (DRO), (Motor Oil/ORO), RCRA8 (6010B/7000), PLC

SPECIFY APPROPRIATE MATRIX: SOIL, WATER, GROUND WATER, WASTEWATER

PRESERVATION

Container(s): TAT, #, Type

QA/QC: RTNE ☐ CT ☐ SWRCB ☐ Logcode ____ OTHER ____

ITEM	LAB USE ONLY: Batch #: / Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	#	Type	REMARKS
	K1007780-1	MW-38	5/1	9:26	Quick		VOA	
	↓ -2	MW-39	5/1	16:34	Quick		VOA	

- TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: ☐ A= Overnight ≤ 24 hr ☐ B= Emergency Next workday ☐ C= Critical 2 Workdays ☐ D= Urgent 3 Workdays ☐ E= Routine 7 Workdays

Container Types: T=Tube V=VOA L=Liter P=Pint J=Jar B=Tedlar G=Glass P=Plastic M=Metal

Preservatives: H=Hcl N=HNO_3 S=H_2SO_4 C=4°C Z=$Zn(AC)_2$ O=NaOH T=$Na_2S_2O_3$

Advanced Technology Laboratories, Inc.

Please review the checklist below. Any NO signifies non-compliance. Any non-compliance will be noted and must be understood as having an impact on the quality of the data. All tests will be performed as requested regardless of any compliance issues.

If you have any questions or further instruction, please contact our Project Coordinator at (702) 307-2659.

Cooler Received/Opened On:	5/1/2012	Workorder:	N007780
Rep sample Temp (Deg C):	2.4	IR Gun ID:	2
Temp Blank:	☐ Yes ☑ No		
Carrier name:	ATL		
Last 4 digits of Tracking No.:	na	Packing Material Used:	None
Cooling process:	☑ Ice ☐ Ice Pack ☐ Dry Ice ☐ Other ☐ Nonc		

Sample Receipt Checklist

1. Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
2. Custody seals intact, signed, dated on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
3. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
4. Chain of custody present?	Yes ☑	No ☐	
5. Sampler's name present in COC?	Yes ☑	No ☐	
6. Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
7. Chain of custody agrees with sample labels?	Yes ☑	No ☐	
8. Samples in proper container/bottle?	Yes ☑	No ☐	
9. Sample containers intact?	Yes ☑	No ☐	
10. Sufficient sample volume for indicated test?	Yes ☑	No ☐	
11. All samples received within holding time?	Yes ☑	No ☐	
12. Temperature of rep sample or Temp Blank within acceptable limit?	Yes ☑	No ☐	NA ☐
13. Water - VOA vials have zero headspace?	Yes ☑	No ☐	NA ☐
14. Water - pH acceptable upon receipt? Example: pH > 12 for (CN,S); pH<2 for Metals	Yes ☐	No ☐	NA ☑
15. Did the bottle labels indicate correct preservatives used?	Yes ☑	No ☐	NA ☐
16. Were there Non-Conformance issues at login?	Yes ☐	No ☐	NA ☑
Was Client notified?	Yes ☐	No ☐	NA ☑

Comments:

Checklist Completed B MBC 5/2/12

Reviewed By: 5/2/12

APPENDIX C

MAROS STATISTICAL ANALYSIS REPORTS

MAROS Mann-Kendall Statistics Summary

Project: Maryland Square Shopping Cente
User Name:
Location: 3661 South Maryland Parkway
State: Nevada

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value

Well	Source/ Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
TETRACHLOROETHYLENE(PCE)								
MW-1	S	23	23	0.84	-155	100.0%	No	D
MW-13	S	22	22	0.34	-127	100.0%	No	D
MW-14	S	21	21	0.33	-105	99.9%	No	D
MW-17	S	17	17	0.60	-74	99.9%	No	D
MW-18	S	26	26	0.34	-141	99.9%	No	D
MW-19	S	25	25	0.22	-17	64.5%	No	S
MW-2	S	21	21	0.59	-159	100.0%	No	D
MW-20	S	26	26	0.48	-190	100.0%	No	D
MW-23	S	24	24	0.29	-160	100.0%	No	D
MW-25	T	26	26	0.27	-182	100.0%	No	D
MW-26	T	22	22	0.18	-74	98.1%	No	D
MW-27	T	24	24	0.30	68	95.2%	No	I
MW-28	T	10	9	0.76	-27	99.2%	No	D
MW-29	T	7	5	0.78	-16	99.0%	No	D
MW-30	T	17	17	0.58	-9	62.7%	No	S
MW-31	T	16	16	0.30	2	51.8%	No	NT
MW-32	T	16	16	0.21	-41	96.5%	No	D
MW-33	T	10	5	1.02	-25	98.6%	No	D
MW-5	S	22	22	0.63	120	100.0%	No	I
MW-6	S	23	23	0.44	116	99.9%	No	I
MW-9	S	20	20	1.72	-102	100.0%	No	D

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A)- Due to insufficient Data (< 4 sampling events); Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values.

MAROS Linear Regression Statistics Summary

Project: Maryland Square Shopping Cente

User Name:

Location: 3661 South Maryland Parkway

State: Nevada

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value

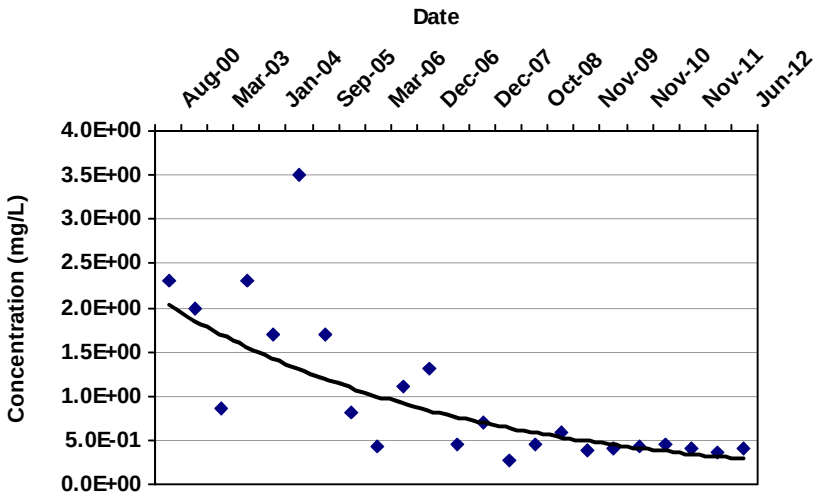
Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence in Trend	Concentration Trend
TETRACHLOROETHYLENE(PCE)									
MW-1	S	1.0E+00	5.9E-01	8.5E-01	No	-4.9E-04	0.84	100.0%	D
MW-13	S	2.6E+00	2.5E+00	8.9E-01	No	-2.3E-04	0.34	100.0%	D
MW-14	S	1.9E+00	1.7E+00	6.3E-01	No	-1.8E-04	0.33	99.8%	D
MW-17	S	4.3E-01	3.5E-01	2.6E-01	No	-3.3E-04	0.60	99.7%	D
MW-18	S	1.5E+00	1.4E+00	5.2E-01	No	-1.6E-04	0.34	99.0%	D
MW-19	S	9.8E-01	9.5E-01	2.2E-01	No	-7.7E-05	0.22	90.5%	PD
MW-2	S	1.4E+00	1.3E+00	8.2E-01	No	-4.5E-04	0.59	100.0%	D
MW-20	S	1.2E+00	1.0E+00	5.6E-01	No	-2.7E-04	0.48	99.1%	D
MW-23	S	1.3E+00	1.1E+00	3.8E-01	No	-2.8E-04	0.29	100.0%	D
MW-25	T	7.9E-01	7.7E-01	2.1E-01	No	-2.5E-04	0.27	100.0%	D
MW-26	T	8.3E-01	7.9E-01	1.5E-01	No	-1.2E-04	0.18	97.7%	D
MW-27	T	4.3E-01	4.2E-01	1.3E-01	No	1.9E-04	0.30	97.9%	I
MW-28	T	1.4E-03	9.7E-04	1.1E-03	No	-1.1E-03	0.76	99.3%	D
MW-29	T	1.2E-03	1.0E-03	9.1E-04	No	-1.6E-03	0.78	99.9%	D
MW-30	T	5.4E-02	5.4E-02	3.1E-02	No	8.4E-04	0.58	96.6%	I
MW-31	T	4.0E-02	3.9E-02	1.2E-02	No	1.3E-04	0.30	78.1%	NT
MW-32	T	7.6E-01	7.3E-01	1.6E-01	No	-2.3E-04	0.21	97.6%	D
MW-33	T	1.3E-03	6.3E-04	1.3E-03	No	-1.8E-03	1.02	99.9%	D
MW-5	S	3.6E-01	3.5E-01	2.2E-01	No	4.4E-04	0.63	100.0%	I
MW-6	S	1.8E+00	1.9E+00	7.8E-01	No	2.2E-04	0.44	99.5%	I
MW-9	S	9.5E-02	1.3E-02	1.6E-01	No	-1.0E-03	1.72	100.0%	D

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Non-detect (ND); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); COV = Coefficient of Variation

MAROS Linear Regression Statistics

Well: MW-1
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.84

Confidence in Trend: 100.0%

Ln Slope: -4.9E-04

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-1	S	8/1/2000	TETRACHLOROETHYLENE(PCE	2.3E+00		1	1
MW-1	S	9/1/2002	TETRACHLOROETHYLENE(PCE	2.0E+00		1	1
MW-1	S	3/1/2003	TETRACHLOROETHYLENE(PCE	8.7E-01		1	1
MW-1	S	9/1/2003	TETRACHLOROETHYLENE(PCE	2.3E+00		1	1
MW-1	S	1/1/2004	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-1	S	5/1/2005	TETRACHLOROETHYLENE(PCE	3.5E+00		1	1
MW-1	S	9/1/2005	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-1	S	12/1/2005	TETRACHLOROETHYLENE(PCE	8.2E-01		1	1
MW-1	S	3/1/2006	TETRACHLOROETHYLENE(PCE	4.2E-01		1	1
MW-1	S	10/1/2006	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-1	S	12/1/2006	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-1	S	6/1/2007	TETRACHLOROETHYLENE(PCE	4.5E-01		1	1
MW-1	S	12/1/2007	TETRACHLOROETHYLENE(PCE	7.1E-01		1	1
MW-1	S	6/1/2008	TETRACHLOROETHYLENE(PCE	2.6E-01		1	1
MW-1	S	10/1/2008	TETRACHLOROETHYLENE(PCE	4.6E-01		1	1
MW-1	S	6/1/2009	TETRACHLOROETHYLENE(PCE	5.9E-01		1	1
MW-1	S	11/1/2009	TETRACHLOROETHYLENE(PCE	3.9E-01		1	1
MW-1	S	6/1/2010	TETRACHLOROETHYLENE(PCE	4.0E-01		1	1
MW-1	S	11/1/2010	TETRACHLOROETHYLENE(PCE	4.3E-01		1	1
MW-1	S	6/1/2011	TETRACHLOROETHYLENE(PCE	4.6E-01		1	1
MW-1	S	11/9/2011	TETRACHLOROETHYLENE(PCE	4.1E-01		1	1

MAROS Linear Regression Statistics

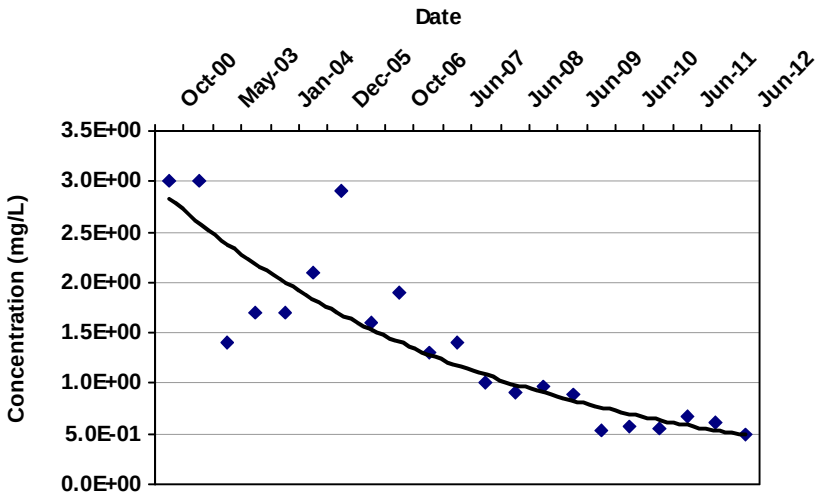
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-1	S	3/30/2012	TETRACHLOROETHYLENE(PCE	3.7E-01		1	1
MW-1	S	6/13/2012	TETRACHLOROETHYLENE(PCE	4.1E-01		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-2
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.59

Confidence in Trend: 100.0%

Ln Slope: -4.5E-04

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-2	S	10/1/2000	TETRACHLOROETHYLENE(PCE	3.0E+00		1	1
MW-2	S	9/1/2002	TETRACHLOROETHYLENE(PCE	3.0E+00		1	1
MW-2	S	5/1/2003	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-2	S	9/1/2003	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-2	S	1/1/2004	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-2	S	5/1/2005	TETRACHLOROETHYLENE(PCE	2.1E+00		1	1
MW-2	S	12/1/2005	TETRACHLOROETHYLENE(PCE	2.9E+00		1	1
MW-2	S	6/1/2006	TETRACHLOROETHYLENE(PCE	1.6E+00		1	1
MW-2	S	10/1/2006	TETRACHLOROETHYLENE(PCE	1.9E+00		1	1
MW-2	S	12/1/2006	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-2	S	6/1/2007	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-2	S	12/1/2007	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-2	S	6/1/2008	TETRACHLOROETHYLENE(PCE	9.0E-01		1	1
MW-2	S	10/1/2008	TETRACHLOROETHYLENE(PCE	9.6E-01		1	1
MW-2	S	6/1/2009	TETRACHLOROETHYLENE(PCE	8.8E-01		1	1
MW-2	S	11/1/2009	TETRACHLOROETHYLENE(PCE	5.3E-01		1	1
MW-2	S	6/1/2010	TETRACHLOROETHYLENE(PCE	5.7E-01		1	1
MW-2	S	11/1/2010	TETRACHLOROETHYLENE(PCE	5.6E-01		1	1
MW-2	S	6/1/2011	TETRACHLOROETHYLENE(PCE	6.8E-01		1	1
MW-2	S	11/10/2011	TETRACHLOROETHYLENE(PCE	6.1E-01		1	1
MW-2	S	6/13/2012	TETRACHLOROETHYLENE(PCE	4.9E-01		1	1

MAROS Linear Regression Statistics

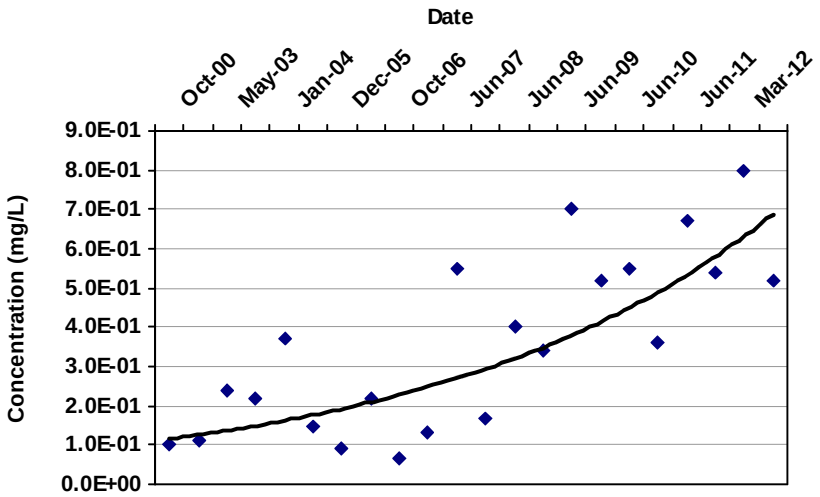
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-5
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.63

Confidence in Trend: 100.0%

Ln Slope: 4.4E-04

LR Concentration Trend: I

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-5	S	10/1/2000	TETRACHLOROETHYLENE(PCE	1.0E-01		1	1
MW-5	S	9/1/2002	TETRACHLOROETHYLENE(PCE	1.1E-01		1	1
MW-5	S	5/1/2003	TETRACHLOROETHYLENE(PCE	2.4E-01		1	1
MW-5	S	9/1/2003	TETRACHLOROETHYLENE(PCE	2.2E-01		1	1
MW-5	S	1/1/2004	TETRACHLOROETHYLENE(PCE	3.7E-01		1	1
MW-5	S	5/1/2005	TETRACHLOROETHYLENE(PCE	1.5E-01		1	1
MW-5	S	12/1/2005	TETRACHLOROETHYLENE(PCE	9.3E-02		1	1
MW-5	S	6/1/2006	TETRACHLOROETHYLENE(PCE	2.2E-01		1	1
MW-5	S	10/1/2006	TETRACHLOROETHYLENE(PCE	6.7E-02		1	1
MW-5	S	12/1/2006	TETRACHLOROETHYLENE(PCE	1.3E-01		1	1
MW-5	S	6/1/2007	TETRACHLOROETHYLENE(PCE	5.5E-01		1	1
MW-5	S	12/1/2007	TETRACHLOROETHYLENE(PCE	1.7E-01		1	1
MW-5	S	6/1/2008	TETRACHLOROETHYLENE(PCE	4.0E-01		1	1
MW-5	S	10/1/2008	TETRACHLOROETHYLENE(PCE	3.4E-01		1	1
MW-5	S	6/1/2009	TETRACHLOROETHYLENE(PCE	7.0E-01		1	1
MW-5	S	11/1/2009	TETRACHLOROETHYLENE(PCE	5.2E-01		1	1
MW-5	S	6/1/2010	TETRACHLOROETHYLENE(PCE	5.5E-01		1	1
MW-5	S	11/1/2010	TETRACHLOROETHYLENE(PCE	3.6E-01		1	1
MW-5	S	6/1/2011	TETRACHLOROETHYLENE(PCE	6.7E-01		1	1
MW-5	S	11/9/2011	TETRACHLOROETHYLENE(PCE	5.4E-01		1	1
MW-5	S	3/30/2012	TETRACHLOROETHYLENE(PCE	8.0E-01		1	1

MAROS Linear Regression Statistics

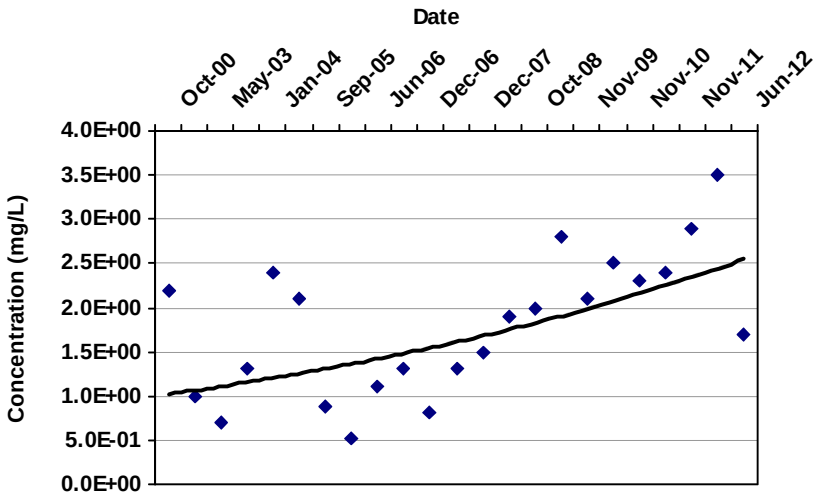
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-5	S	6/13/2012	TETRACHLOROETHYLENE(PCE	5.2E-01		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-6
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.44

Confidence in Trend: 99.5%

Ln Slope: 2.2E-04

LR Concentration Trend: I

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-6	S	10/1/2000	TETRACHLOROETHYLENE(PCE	2.2E+00		1	1
MW-6	S	9/1/2002	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-6	S	5/1/2003	TETRACHLOROETHYLENE(PCE	7.1E-01		1	1
MW-6	S	9/1/2003	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-6	S	1/1/2004	TETRACHLOROETHYLENE(PCE	2.4E+00		1	1
MW-6	S	5/1/2005	TETRACHLOROETHYLENE(PCE	2.1E+00		1	1
MW-6	S	9/1/2005	TETRACHLOROETHYLENE(PCE	8.9E-01		1	1
MW-6	S	12/1/2005	TETRACHLOROETHYLENE(PCE	5.3E-01		1	1
MW-6	S	6/1/2006	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-6	S	10/1/2006	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-6	S	12/1/2006	TETRACHLOROETHYLENE(PCE	8.1E-01		1	1
MW-6	S	6/1/2007	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-6	S	12/1/2007	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-6	S	6/1/2008	TETRACHLOROETHYLENE(PCE	1.9E+00		1	1
MW-6	S	10/1/2008	TETRACHLOROETHYLENE(PCE	2.0E+00		1	1
MW-6	S	6/1/2009	TETRACHLOROETHYLENE(PCE	2.8E+00		1	1
MW-6	S	11/1/2009	TETRACHLOROETHYLENE(PCE	2.1E+00		1	1
MW-6	S	6/1/2010	TETRACHLOROETHYLENE(PCE	2.5E+00		1	1
MW-6	S	11/1/2010	TETRACHLOROETHYLENE(PCE	2.3E+00		1	1
MW-6	S	6/1/2011	TETRACHLOROETHYLENE(PCE	2.4E+00		1	1
MW-6	S	11/10/2011	TETRACHLOROETHYLENE(PCE	2.9E+00		1	1

MAROS Linear Regression Statistics

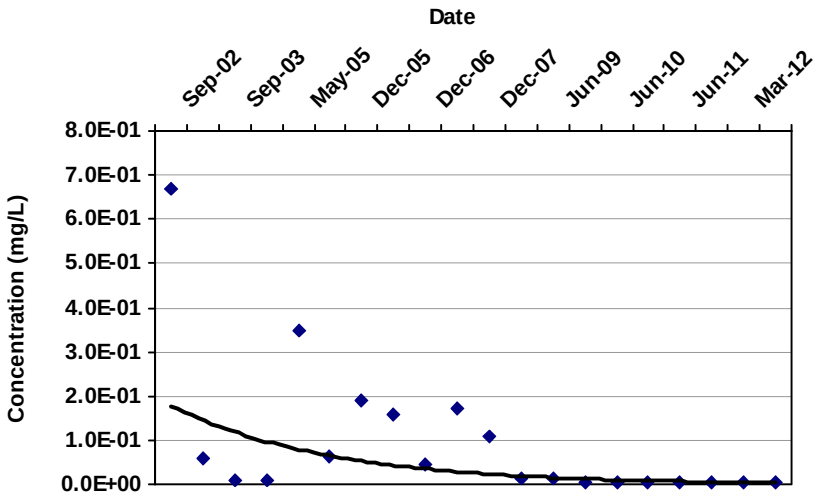
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-6	S	3/30/2012	TETRACHLOROETHYLENE(PCE	3.5E+00		1	1
MW-6	S	6/13/2012	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-9
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 1.72

Confidence in Trend: 100.0%

Ln Slope: -1.0E-03

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-9	S	9/1/2002	TETRACHLOROETHYLENE(PCE	6.7E-01		1	1
MW-9	S	5/1/2003	TETRACHLOROETHYLENE(PCE	5.9E-02		1	1
MW-9	S	9/1/2003	TETRACHLOROETHYLENE(PCE	9.2E-03		1	1
MW-9	S	1/1/2004	TETRACHLOROETHYLENE(PCE	1.0E-02		1	1
MW-9	S	5/1/2005	TETRACHLOROETHYLENE(PCE	3.5E-01		1	1
MW-9	S	9/1/2005	TETRACHLOROETHYLENE(PCE	6.4E-02		1	1
MW-9	S	12/1/2005	TETRACHLOROETHYLENE(PCE	1.9E-01		1	1
MW-9	S	10/1/2006	TETRACHLOROETHYLENE(PCE	1.6E-01		1	1
MW-9	S	12/1/2006	TETRACHLOROETHYLENE(PCE	4.5E-02		1	1
MW-9	S	6/1/2007	TETRACHLOROETHYLENE(PCE	1.7E-01		1	1
MW-9	S	12/1/2007	TETRACHLOROETHYLENE(PCE	1.1E-01		1	1
MW-9	S	10/1/2008	TETRACHLOROETHYLENE(PCE	1.2E-02		1	1
MW-9	S	6/1/2009	TETRACHLOROETHYLENE(PCE	1.3E-02		1	1
MW-9	S	11/1/2009	TETRACHLOROETHYLENE(PCE	5.5E-03		1	1
MW-9	S	6/1/2010	TETRACHLOROETHYLENE(PCE	6.6E-03		1	1
MW-9	S	11/1/2010	TETRACHLOROETHYLENE(PCE	3.7E-03		1	1
MW-9	S	6/1/2011	TETRACHLOROETHYLENE(PCE	2.3E-03		1	1
MW-9	S	11/12/2011	TETRACHLOROETHYLENE(PCE	5.6E-03		1	1
MW-9	S	3/30/2012	TETRACHLOROETHYLENE(PCE	5.2E-03		1	1
MW-9	S	6/13/2012	TETRACHLOROETHYLENE(PCE	5.7E-03		1	1

MAROS Linear Regression Statistics

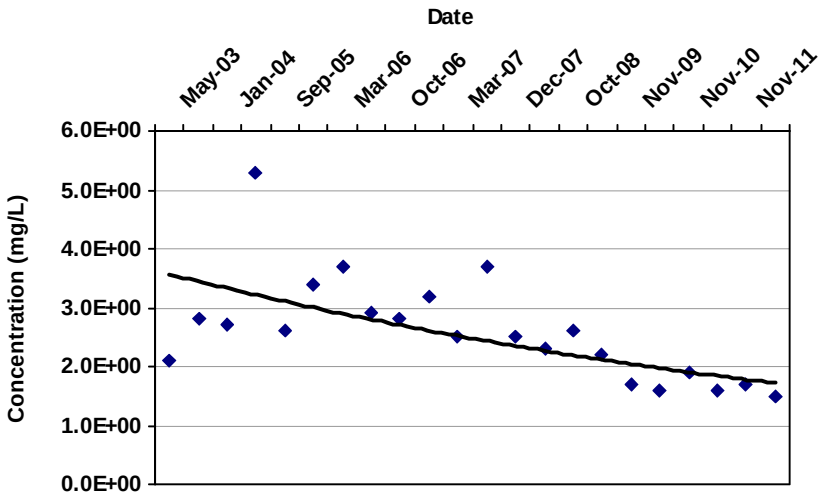
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-13
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.34

Confidence in Trend: 100.0%

Ln Slope: -2.3E-04

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-13	S	5/1/2003	TETRACHLOROETHYLENE(PCE	2.1E+00		1	1
MW-13	S	9/1/2003	TETRACHLOROETHYLENE(PCE	2.8E+00		1	1
MW-13	S	1/1/2004	TETRACHLOROETHYLENE(PCE	2.7E+00		1	1
MW-13	S	5/1/2005	TETRACHLOROETHYLENE(PCE	5.3E+00		1	1
MW-13	S	9/1/2005	TETRACHLOROETHYLENE(PCE	2.6E+00		1	1
MW-13	S	12/1/2005	TETRACHLOROETHYLENE(PCE	3.4E+00		1	1
MW-13	S	3/1/2006	TETRACHLOROETHYLENE(PCE	3.7E+00		1	1
MW-13	S	6/1/2006	TETRACHLOROETHYLENE(PCE	2.9E+00		1	1
MW-13	S	10/1/2006	TETRACHLOROETHYLENE(PCE	2.8E+00		1	1
MW-13	S	12/1/2006	TETRACHLOROETHYLENE(PCE	3.2E+00		1	1
MW-13	S	3/1/2007	TETRACHLOROETHYLENE(PCE	2.5E+00		1	1
MW-13	S	6/1/2007	TETRACHLOROETHYLENE(PCE	3.7E+00		1	1
MW-13	S	12/1/2007	TETRACHLOROETHYLENE(PCE	2.5E+00		1	1
MW-13	S	6/1/2008	TETRACHLOROETHYLENE(PCE	2.3E+00		1	1
MW-13	S	10/1/2008	TETRACHLOROETHYLENE(PCE	2.6E+00		1	1
MW-13	S	6/1/2009	TETRACHLOROETHYLENE(PCE	2.2E+00		1	1
MW-13	S	11/1/2009	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-13	S	6/1/2010	TETRACHLOROETHYLENE(PCE	1.6E+00		1	1
MW-13	S	11/1/2010	TETRACHLOROETHYLENE(PCE	1.9E+00		1	1
MW-13	S	6/1/2011	TETRACHLOROETHYLENE(PCE	1.6E+00		1	1
MW-13	S	11/10/2011	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1

MAROS Linear Regression Statistics

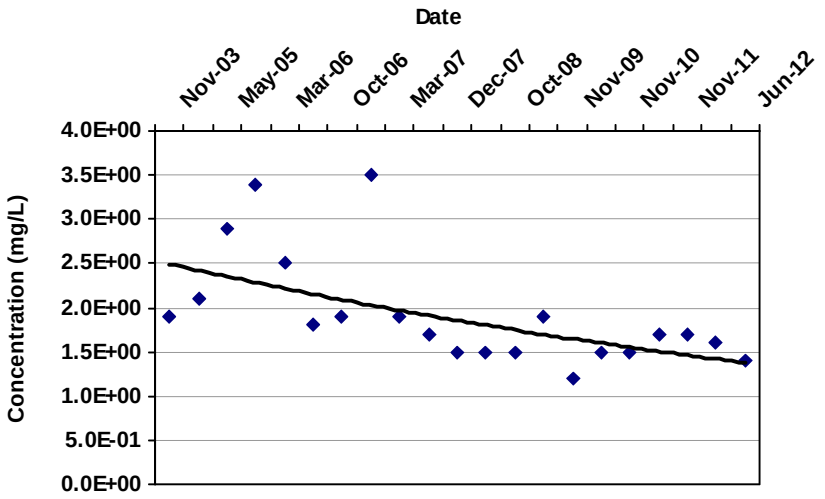
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-13	S	6/13/2012	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-14
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.33

Confidence in Trend: 99.8%

Ln Slope: -1.8E-04

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-14	S	11/1/2003	TETRACHLOROETHYLENE(PCE	1.9E+00		1	1
MW-14	S	1/1/2004	TETRACHLOROETHYLENE(PCE	2.1E+00		1	1
MW-14	S	5/1/2005	TETRACHLOROETHYLENE(PCE	2.9E+00		1	1
MW-14	S	12/1/2005	TETRACHLOROETHYLENE(PCE	3.4E+00		1	1
MW-14	S	3/1/2006	TETRACHLOROETHYLENE(PCE	2.5E+00		1	1
MW-14	S	6/1/2006	TETRACHLOROETHYLENE(PCE	1.8E+00		1	1
MW-14	S	10/1/2006	TETRACHLOROETHYLENE(PCE	1.9E+00		1	1
MW-14	S	12/1/2006	TETRACHLOROETHYLENE(PCE	3.5E+00		1	1
MW-14	S	3/1/2007	TETRACHLOROETHYLENE(PCE	1.9E+00		1	1
MW-14	S	6/1/2007	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-14	S	12/1/2007	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-14	S	6/1/2008	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-14	S	10/1/2008	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-14	S	6/1/2009	TETRACHLOROETHYLENE(PCE	1.9E+00		1	1
MW-14	S	11/1/2009	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-14	S	6/1/2010	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-14	S	11/1/2010	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-14	S	6/1/2011	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-14	S	11/10/2011	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-14	S	3/30/2012	TETRACHLOROETHYLENE(PCE	1.6E+00		1	1
MW-14	S	6/13/2012	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1

MAROS Linear Regression Statistics

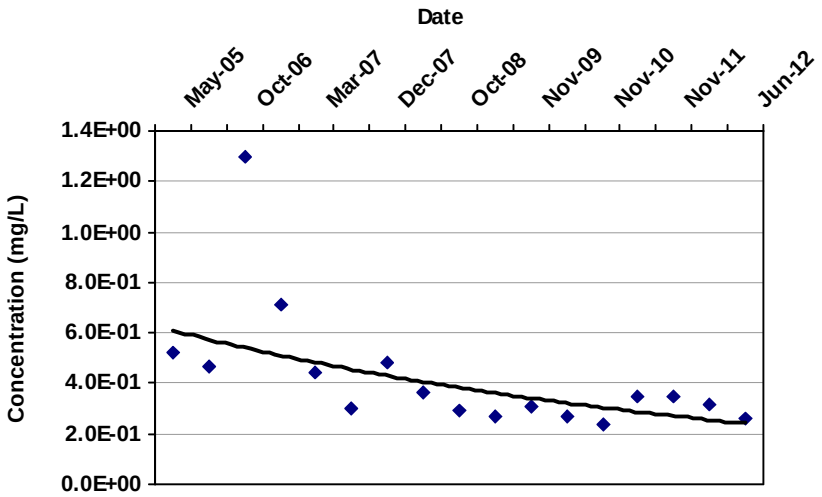
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-17
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.60

Confidence in Trend: 99.7%

Ln Slope: -3.3E-04

LR Concentration Trend: D

Consolidation Data Table:

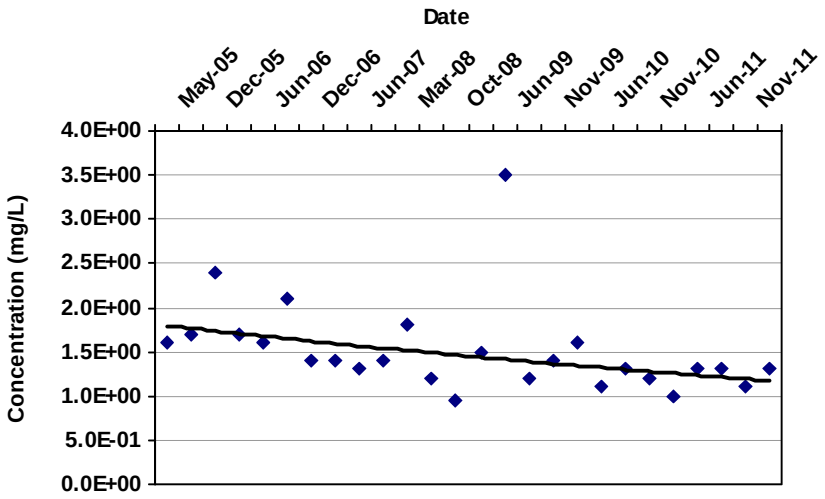
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-17	S	5/1/2005	TETRACHLOROETHYLENE(PCE	5.2E-01		1	1
MW-17	S	12/1/2005	TETRACHLOROETHYLENE(PCE	4.7E-01		1	1
MW-17	S	10/1/2006	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-17	S	12/1/2006	TETRACHLOROETHYLENE(PCE	7.1E-01		1	1
MW-17	S	3/1/2007	TETRACHLOROETHYLENE(PCE	4.4E-01		1	1
MW-17	S	6/1/2007	TETRACHLOROETHYLENE(PCE	3.0E-01		1	1
MW-17	S	12/1/2007	TETRACHLOROETHYLENE(PCE	4.8E-01		1	1
MW-17	S	6/1/2008	TETRACHLOROETHYLENE(PCE	3.6E-01		1	1
MW-17	S	10/1/2008	TETRACHLOROETHYLENE(PCE	2.9E-01		1	1
MW-17	S	6/1/2009	TETRACHLOROETHYLENE(PCE	2.7E-01		1	1
MW-17	S	11/1/2009	TETRACHLOROETHYLENE(PCE	3.1E-01		1	1
MW-17	S	6/1/2010	TETRACHLOROETHYLENE(PCE	2.7E-01		1	1
MW-17	S	11/1/2010	TETRACHLOROETHYLENE(PCE	2.4E-01		1	1
MW-17	S	6/1/2011	TETRACHLOROETHYLENE(PCE	3.5E-01		1	1
MW-17	S	11/12/2011	TETRACHLOROETHYLENE(PCE	3.5E-01		1	1
MW-17	S	3/30/2012	TETRACHLOROETHYLENE(PCE	3.2E-01		1	1
MW-17	S	6/13/2012	TETRACHLOROETHYLENE(PCE	2.6E-01		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-18
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.34

Confidence in Trend: 99.0%

Ln Slope: -1.6E-04

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-18	S	5/1/2005	TETRACHLOROETHYLENE(PCE	1.6E+00		1	1
MW-18	S	9/1/2005	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-18	S	12/1/2005	TETRACHLOROETHYLENE(PCE	2.4E+00		1	1
MW-18	S	3/1/2006	TETRACHLOROETHYLENE(PCE	1.7E+00		1	1
MW-18	S	6/1/2006	TETRACHLOROETHYLENE(PCE	1.6E+00		1	1
MW-18	S	10/1/2006	TETRACHLOROETHYLENE(PCE	2.1E+00		1	1
MW-18	S	12/1/2006	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-18	S	3/1/2007	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-18	S	6/1/2007	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-18	S	12/1/2007	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-18	S	3/1/2008	TETRACHLOROETHYLENE(PCE	1.8E+00		1	1
MW-18	S	6/1/2008	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-18	S	10/1/2008	TETRACHLOROETHYLENE(PCE	9.5E-01		1	1
MW-18	S	2/1/2009	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-18	S	6/1/2009	TETRACHLOROETHYLENE(PCE	3.5E+00		1	1
MW-18	S	9/1/2009	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-18	S	11/1/2009	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-18	S	2/1/2010	TETRACHLOROETHYLENE(PCE	1.6E+00		1	1
MW-18	S	6/1/2010	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-18	S	10/1/2010	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-18	S	11/1/2010	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1

MAROS Linear Regression Statistics

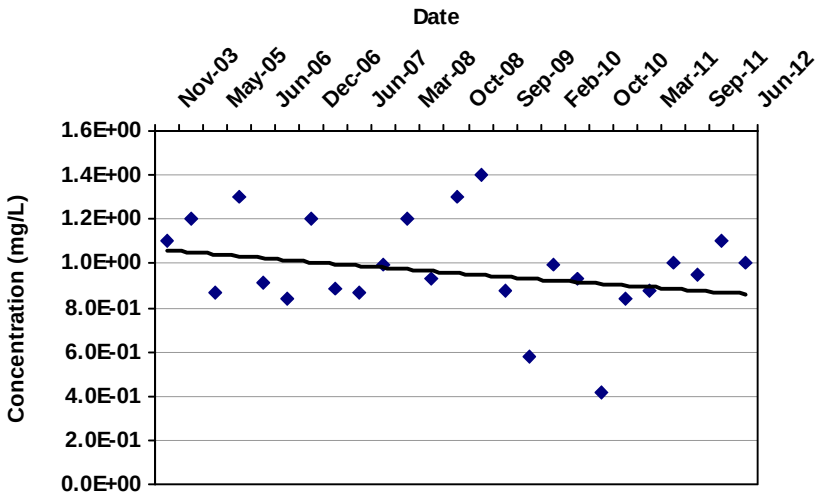
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-18	S	3/1/2011	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-18	S	6/1/2011	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-18	S	9/1/2011	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-18	S	11/11/2011	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-18	S	6/13/2012	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-19
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.22

Confidence in Trend: 90.5%

Ln Slope: -7.7E-05

LR Concentration Trend: PD

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-19	S	11/1/2003	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-19	S	1/1/2004	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-19	S	5/1/2005	TETRACHLOROETHYLENE(PCE	8.7E-01		1	1
MW-19	S	12/1/2005	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-19	S	6/1/2006	TETRACHLOROETHYLENE(PCE	9.1E-01		1	1
MW-19	S	10/1/2006	TETRACHLOROETHYLENE(PCE	8.4E-01		1	1
MW-19	S	12/1/2006	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-19	S	3/1/2007	TETRACHLOROETHYLENE(PCE	8.9E-01		1	1
MW-19	S	6/1/2007	TETRACHLOROETHYLENE(PCE	8.7E-01		1	1
MW-19	S	12/1/2007	TETRACHLOROETHYLENE(PCE	9.9E-01		1	1
MW-19	S	3/1/2008	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-19	S	6/1/2008	TETRACHLOROETHYLENE(PCE	9.3E-01		1	1
MW-19	S	10/1/2008	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-19	S	6/1/2009	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-19	S	9/1/2009	TETRACHLOROETHYLENE(PCE	8.8E-01		1	1
MW-19	S	11/1/2009	TETRACHLOROETHYLENE(PCE	5.8E-01		1	1
MW-19	S	2/1/2010	TETRACHLOROETHYLENE(PCE	9.9E-01		1	1
MW-19	S	6/1/2010	TETRACHLOROETHYLENE(PCE	9.3E-01		1	1
MW-19	S	10/1/2010	TETRACHLOROETHYLENE(PCE	4.2E-01		1	1
MW-19	S	11/1/2010	TETRACHLOROETHYLENE(PCE	8.4E-01		1	1
MW-19	S	3/1/2011	TETRACHLOROETHYLENE(PCE	8.8E-01		1	1

MAROS Linear Regression Statistics

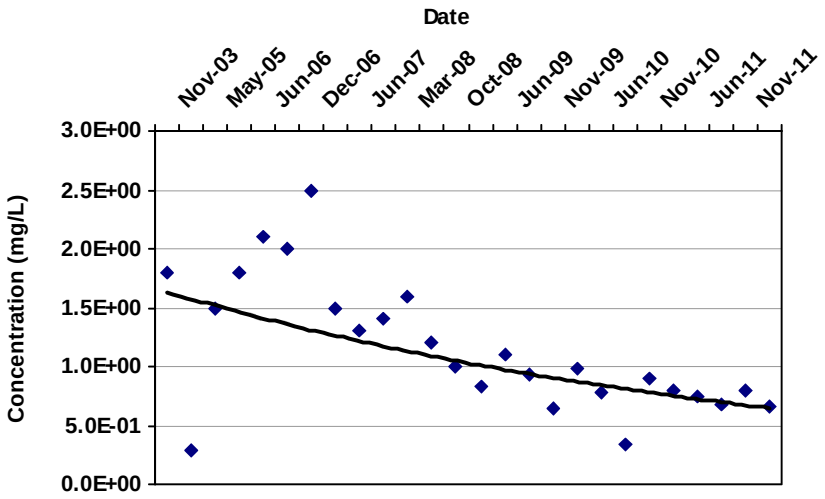
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-19	S	6/1/2011	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-19	S	9/1/2011	TETRACHLOROETHYLENE(PCE	9.5E-01		1	1
MW-19	S	11/10/2011	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-19	S	6/13/2012	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-20
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.48

Confidence in Trend: 99.1%

Ln Slope: -2.7E-04

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-20	S	11/1/2003	TETRACHLOROETHYLENE(PCE	1.8E+00		1	1
MW-20	S	1/1/2004	TETRACHLOROETHYLENE(PCE	2.9E-01		1	1
MW-20	S	5/1/2005	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-20	S	12/1/2005	TETRACHLOROETHYLENE(PCE	1.8E+00		1	1
MW-20	S	6/1/2006	TETRACHLOROETHYLENE(PCE	2.1E+00		1	1
MW-20	S	10/1/2006	TETRACHLOROETHYLENE(PCE	2.0E+00		1	1
MW-20	S	12/1/2006	TETRACHLOROETHYLENE(PCE	2.5E+00		1	1
MW-20	S	3/1/2007	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-20	S	6/1/2007	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-20	S	12/1/2007	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-20	S	3/1/2008	TETRACHLOROETHYLENE(PCE	1.6E+00		1	1
MW-20	S	6/1/2008	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-20	S	10/1/2008	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-20	S	2/1/2009	TETRACHLOROETHYLENE(PCE	8.3E-01		1	1
MW-20	S	6/1/2009	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-20	S	9/1/2009	TETRACHLOROETHYLENE(PCE	9.4E-01		1	1
MW-20	S	11/1/2009	TETRACHLOROETHYLENE(PCE	6.4E-01		1	1
MW-20	S	2/1/2010	TETRACHLOROETHYLENE(PCE	9.9E-01		1	1
MW-20	S	6/1/2010	TETRACHLOROETHYLENE(PCE	7.8E-01		1	1
MW-20	S	10/1/2010	TETRACHLOROETHYLENE(PCE	3.4E-01		1	1
MW-20	S	11/1/2010	TETRACHLOROETHYLENE(PCE	8.9E-01		1	1

MAROS Linear Regression Statistics

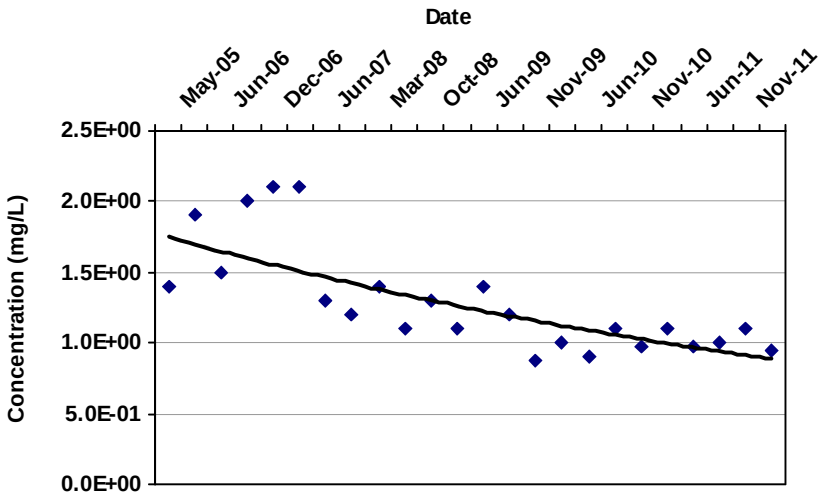
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-20	S	3/1/2011	TETRACHLOROETHYLENE(PCE	8.0E-01		1	1
MW-20	S	6/1/2011	TETRACHLOROETHYLENE(PCE	7.4E-01		1	1
MW-20	S	9/1/2011	TETRACHLOROETHYLENE(PCE	6.8E-01		1	1
MW-20	S	11/10/2011	TETRACHLOROETHYLENE(PCE	8.0E-01		1	1
MW-20	S	6/13/2012	TETRACHLOROETHYLENE(PCE	6.6E-01		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-23
Well Type: S
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.29

Confidence in Trend: 100.0%

Ln Slope: -2.8E-04

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-23	S	5/1/2005	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-23	S	12/1/2005	TETRACHLOROETHYLENE(PCE	1.9E+00		1	1
MW-23	S	6/1/2006	TETRACHLOROETHYLENE(PCE	1.5E+00		1	1
MW-23	S	10/1/2006	TETRACHLOROETHYLENE(PCE	2.0E+00		1	1
MW-23	S	12/1/2006	TETRACHLOROETHYLENE(PCE	2.1E+00		1	1
MW-23	S	3/1/2007	TETRACHLOROETHYLENE(PCE	2.1E+00		1	1
MW-23	S	6/1/2007	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-23	S	12/1/2007	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-23	S	3/1/2008	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-23	S	6/1/2008	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-23	S	10/1/2008	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-23	S	2/1/2009	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-23	S	6/1/2009	TETRACHLOROETHYLENE(PCE	1.4E+00		1	1
MW-23	S	9/1/2009	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-23	S	11/1/2009	TETRACHLOROETHYLENE(PCE	8.8E-01		1	1
MW-23	S	2/1/2010	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-23	S	6/1/2010	TETRACHLOROETHYLENE(PCE	9.0E-01		1	1
MW-23	S	10/1/2010	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-23	S	11/1/2010	TETRACHLOROETHYLENE(PCE	9.7E-01		1	1
MW-23	S	3/1/2011	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-23	S	6/1/2011	TETRACHLOROETHYLENE(PCE	9.7E-01		1	1

MAROS Linear Regression Statistics

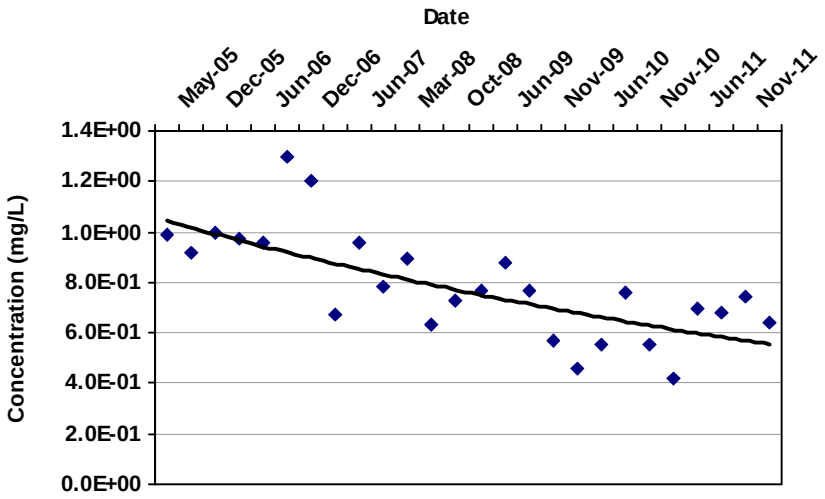
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-23	S	9/1/2011	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-23	S	11/11/2011	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-23	S	6/13/2012	TETRACHLOROETHYLENE(PCE	9.5E-01		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-25
Well Type: T
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.27

Confidence in Trend: 100.0%

Ln Slope: -2.5E-04

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-25	T	5/1/2005	TETRACHLOROETHYLENE(PCE	9.9E-01		1	1
MW-25	T	9/1/2005	TETRACHLOROETHYLENE(PCE	9.2E-01		1	1
MW-25	T	12/1/2005	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-25	T	3/1/2006	TETRACHLOROETHYLENE(PCE	9.7E-01		1	1
MW-25	T	6/1/2006	TETRACHLOROETHYLENE(PCE	9.6E-01		1	1
MW-25	T	10/1/2006	TETRACHLOROETHYLENE(PCE	1.3E+00		1	1
MW-25	T	12/1/2006	TETRACHLOROETHYLENE(PCE	1.2E+00		1	1
MW-25	T	3/1/2007	TETRACHLOROETHYLENE(PCE	6.7E-01		1	1
MW-25	T	6/1/2007	TETRACHLOROETHYLENE(PCE	9.6E-01		1	1
MW-25	T	12/1/2007	TETRACHLOROETHYLENE(PCE	7.8E-01		1	1
MW-25	T	3/1/2008	TETRACHLOROETHYLENE(PCE	8.9E-01		1	1
MW-25	T	6/1/2008	TETRACHLOROETHYLENE(PCE	6.3E-01		1	1
MW-25	T	10/1/2008	TETRACHLOROETHYLENE(PCE	7.3E-01		1	1
MW-25	T	2/1/2009	TETRACHLOROETHYLENE(PCE	7.7E-01		1	1
MW-25	T	6/1/2009	TETRACHLOROETHYLENE(PCE	8.8E-01		1	1
MW-25	T	9/1/2009	TETRACHLOROETHYLENE(PCE	7.7E-01		1	1
MW-25	T	11/1/2009	TETRACHLOROETHYLENE(PCE	5.7E-01		1	1
MW-25	T	2/1/2010	TETRACHLOROETHYLENE(PCE	4.6E-01		1	1
MW-25	T	6/1/2010	TETRACHLOROETHYLENE(PCE	5.5E-01		1	1
MW-25	T	10/1/2010	TETRACHLOROETHYLENE(PCE	7.6E-01		1	1
MW-25	T	11/1/2010	TETRACHLOROETHYLENE(PCE	5.5E-01		1	1

MAROS Linear Regression Statistics

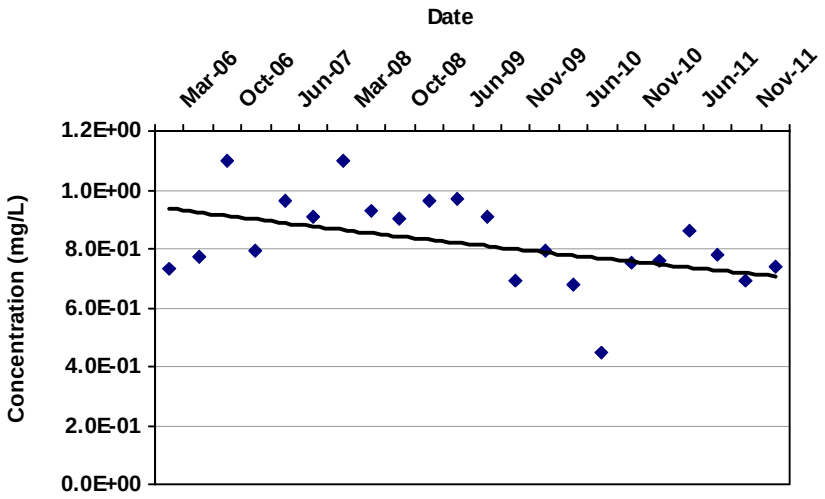
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-25	T	3/1/2011	TETRACHLOROETHYLENE(PCE	4.2E-01		1	1
MW-25	T	6/1/2011	TETRACHLOROETHYLENE(PCE	7.0E-01		1	1
MW-25	T	9/1/2011	TETRACHLOROETHYLENE(PCE	6.8E-01		1	1
MW-25	T	11/11/2011	TETRACHLOROETHYLENE(PCE	7.4E-01		1	1
MW-25	T	6/13/2012	TETRACHLOROETHYLENE(PCE	6.4E-01		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-26
Well Type: T
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.18

Confidence in Trend: 97.7%

Ln Slope: -1.2E-04

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-26	T	3/1/2006	TETRACHLOROETHYLENE(PCE	7.3E-01		1	1
MW-26	T	6/1/2006	TETRACHLOROETHYLENE(PCE	7.7E-01		1	1
MW-26	T	10/1/2006	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-26	T	3/1/2007	TETRACHLOROETHYLENE(PCE	7.9E-01		1	1
MW-26	T	6/1/2007	TETRACHLOROETHYLENE(PCE	9.6E-01		1	1
MW-26	T	12/1/2007	TETRACHLOROETHYLENE(PCE	9.1E-01		1	1
MW-26	T	3/1/2008	TETRACHLOROETHYLENE(PCE	1.1E+00		1	1
MW-26	T	6/1/2008	TETRACHLOROETHYLENE(PCE	9.3E-01		1	1
MW-26	T	10/1/2008	TETRACHLOROETHYLENE(PCE	9.0E-01		1	1
MW-26	T	2/1/2009	TETRACHLOROETHYLENE(PCE	9.6E-01		1	1
MW-26	T	6/1/2009	TETRACHLOROETHYLENE(PCE	9.7E-01		1	1
MW-26	T	9/1/2009	TETRACHLOROETHYLENE(PCE	9.1E-01		1	1
MW-26	T	11/1/2009	TETRACHLOROETHYLENE(PCE	6.9E-01		1	1
MW-26	T	2/1/2010	TETRACHLOROETHYLENE(PCE	7.9E-01		1	1
MW-26	T	6/1/2010	TETRACHLOROETHYLENE(PCE	6.8E-01		1	1
MW-26	T	10/1/2010	TETRACHLOROETHYLENE(PCE	4.5E-01		1	1
MW-26	T	11/1/2010	TETRACHLOROETHYLENE(PCE	7.5E-01		1	1
MW-26	T	3/1/2011	TETRACHLOROETHYLENE(PCE	7.6E-01		1	1
MW-26	T	6/1/2011	TETRACHLOROETHYLENE(PCE	8.6E-01		1	1
MW-26	T	9/1/2011	TETRACHLOROETHYLENE(PCE	7.8E-01		1	1
MW-26	T	11/11/2011	TETRACHLOROETHYLENE(PCE	6.9E-01		1	1

MAROS Linear Regression Statistics

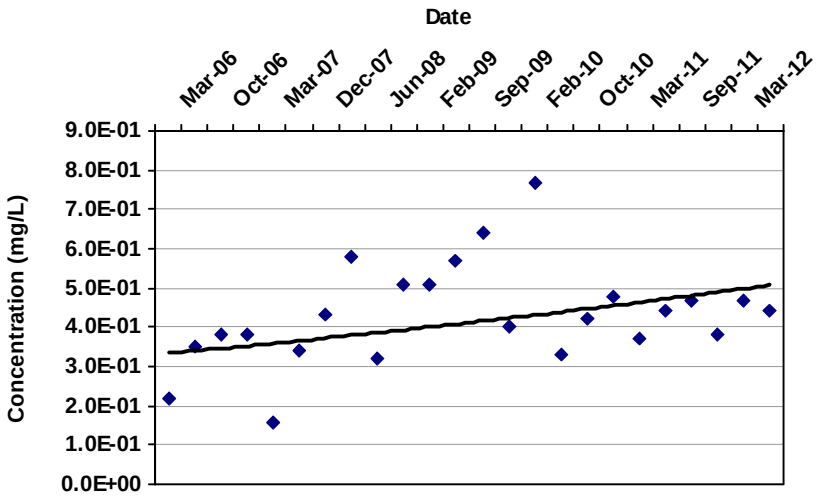
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-26	T	6/13/2012	TETRACHLOROETHYLENE(PCE	7.4E-01		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-27
Well Type: T
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.30

Confidence in Trend: 97.9%

Ln Slope: 1.9E-04

LR Concentration Trend: I

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-27	T	3/1/2006	TETRACHLOROETHYLENE(PCE	2.2E-01		1	1
MW-27	T	6/1/2006	TETRACHLOROETHYLENE(PCE	3.5E-01		1	1
MW-27	T	10/1/2006	TETRACHLOROETHYLENE(PCE	3.8E-01		1	1
MW-27	T	12/1/2006	TETRACHLOROETHYLENE(PCE	3.8E-01		1	1
MW-27	T	3/1/2007	TETRACHLOROETHYLENE(PCE	1.6E-01		1	1
MW-27	T	6/1/2007	TETRACHLOROETHYLENE(PCE	3.4E-01		1	1
MW-27	T	12/1/2007	TETRACHLOROETHYLENE(PCE	4.3E-01		1	1
MW-27	T	3/1/2008	TETRACHLOROETHYLENE(PCE	5.8E-01		1	1
MW-27	T	6/1/2008	TETRACHLOROETHYLENE(PCE	3.2E-01		1	1
MW-27	T	10/1/2008	TETRACHLOROETHYLENE(PCE	5.1E-01		1	1
MW-27	T	2/1/2009	TETRACHLOROETHYLENE(PCE	5.1E-01		1	1
MW-27	T	6/1/2009	TETRACHLOROETHYLENE(PCE	5.7E-01		1	1
MW-27	T	9/1/2009	TETRACHLOROETHYLENE(PCE	6.4E-01		1	1
MW-27	T	11/1/2009	TETRACHLOROETHYLENE(PCE	4.0E-01		1	1
MW-27	T	2/1/2010	TETRACHLOROETHYLENE(PCE	7.7E-01		1	1
MW-27	T	6/1/2010	TETRACHLOROETHYLENE(PCE	3.3E-01		1	1
MW-27	T	10/1/2010	TETRACHLOROETHYLENE(PCE	4.2E-01		1	1
MW-27	T	11/1/2010	TETRACHLOROETHYLENE(PCE	4.8E-01		1	1
MW-27	T	3/1/2011	TETRACHLOROETHYLENE(PCE	3.7E-01		1	1
MW-27	T	6/1/2011	TETRACHLOROETHYLENE(PCE	4.4E-01		1	1
MW-27	T	9/1/2011	TETRACHLOROETHYLENE(PCE	4.7E-01		1	1

MAROS Linear Regression Statistics

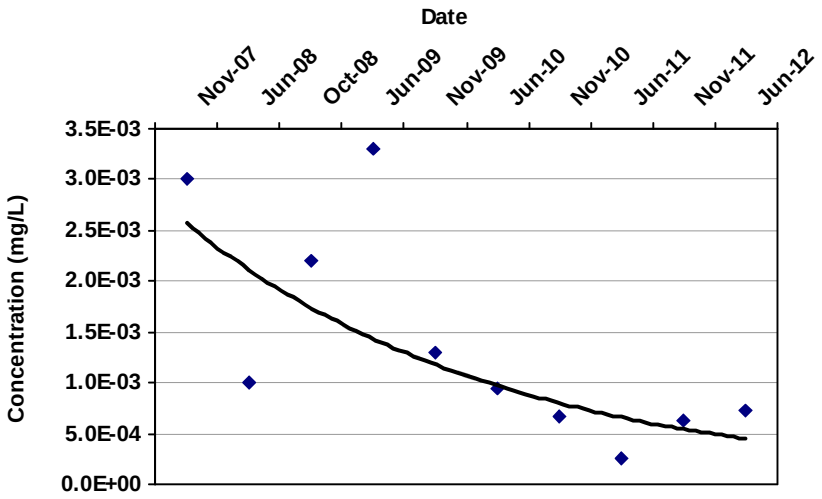
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-27	T	11/11/2011	TETRACHLOROETHYLENE(PCE	3.8E-01		1	1
MW-27	T	3/30/2012	TETRACHLOROETHYLENE(PCE	4.7E-01		1	1
MW-27	T	6/13/2012	TETRACHLOROETHYLENE(PCE	4.4E-01		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-28
Well Type: T
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.76

Confidence in Trend: 99.3%

Ln Slope: -1.1E-03

LR Concentration Trend: D

Consolidation Data Table:

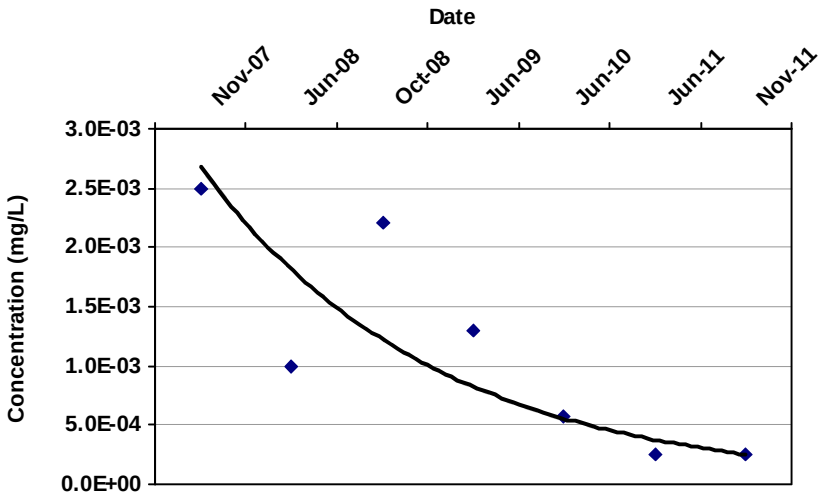
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-28	T	11/1/2007	TETRACHLOROETHYLENE(PCE	3.0E-03		1	1
MW-28	T	6/1/2008	TETRACHLOROETHYLENE(PCE	1.0E-03		1	1
MW-28	T	10/1/2008	TETRACHLOROETHYLENE(PCE	2.2E-03		1	1
MW-28	T	6/1/2009	TETRACHLOROETHYLENE(PCE	3.3E-03		1	1
MW-28	T	11/1/2009	TETRACHLOROETHYLENE(PCE	1.3E-03		1	1
MW-28	T	6/1/2010	TETRACHLOROETHYLENE(PCE	9.4E-04		1	1
MW-28	T	11/1/2010	TETRACHLOROETHYLENE(PCE	6.6E-04		1	1
MW-28	T	6/1/2011	TETRACHLOROETHYLENE(PCE	2.5E-04	ND	1	0
MW-28	T	11/11/2011	TETRACHLOROETHYLENE(PCE	6.2E-04		1	1
MW-28	T	6/13/2012	TETRACHLOROETHYLENE(PCE	7.3E-04		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-29
Well Type: T
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.78

Confidence in Trend: 99.9%

Ln Slope: -1.6E-03

LR Concentration Trend: D

Consolidation Data Table:

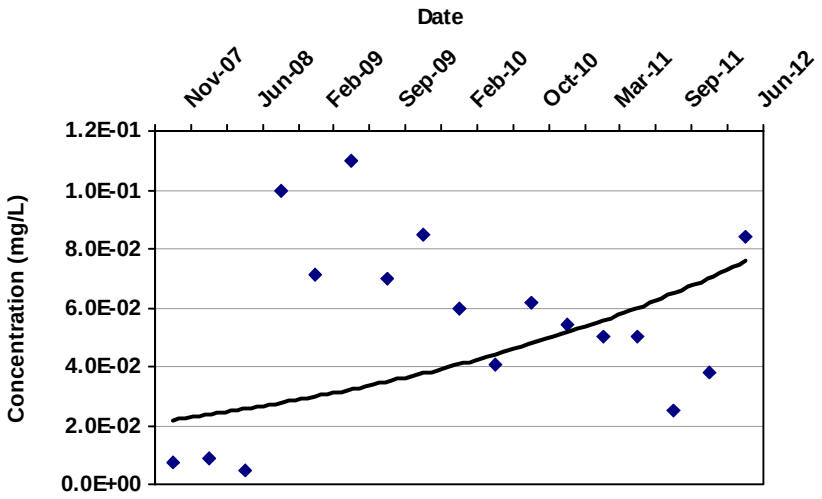
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-29	T	11/1/2007	TETRACHLOROETHYLENE(PCE	2.5E-03		1	1
MW-29	T	6/1/2008	TETRACHLOROETHYLENE(PCE	1.0E-03		1	1
MW-29	T	10/1/2008	TETRACHLOROETHYLENE(PCE	2.2E-03		1	1
MW-29	T	6/1/2009	TETRACHLOROETHYLENE(PCE	1.3E-03		1	1
MW-29	T	6/1/2010	TETRACHLOROETHYLENE(PCE	5.8E-04		1	1
MW-29	T	6/1/2011	TETRACHLOROETHYLENE(PCE	2.5E-04	ND	1	0
MW-29	T	11/11/2011	TETRACHLOROETHYLENE(PCE	2.5E-04	ND	1	0

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-30
Well Type: T
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.58

Confidence in Trend: 96.6%

Ln Slope: 8.4E-04

LR Concentration Trend: I

Consolidation Data Table:

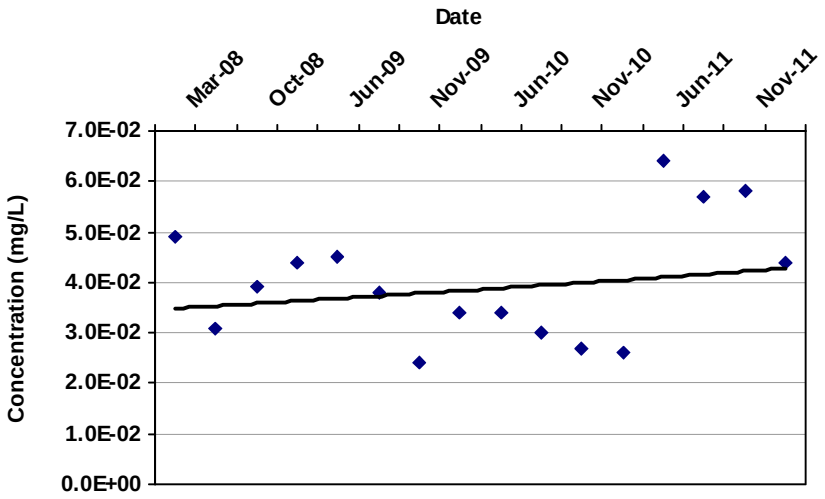
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-30	T	11/1/2007	TETRACHLOROETHYLENE(PCE	7.4E-03		1	1
MW-30	T	3/1/2008	TETRACHLOROETHYLENE(PCE	8.6E-03		1	1
MW-30	T	6/1/2008	TETRACHLOROETHYLENE(PCE	4.9E-03		1	1
MW-30	T	10/1/2008	TETRACHLOROETHYLENE(PCE	1.0E-01		1	1
MW-30	T	2/1/2009	TETRACHLOROETHYLENE(PCE	7.1E-02		1	1
MW-30	T	6/1/2009	TETRACHLOROETHYLENE(PCE	1.1E-01		1	1
MW-30	T	9/1/2009	TETRACHLOROETHYLENE(PCE	7.0E-02		1	1
MW-30	T	11/1/2009	TETRACHLOROETHYLENE(PCE	8.5E-02		1	1
MW-30	T	2/1/2010	TETRACHLOROETHYLENE(PCE	6.0E-02		1	1
MW-30	T	6/1/2010	TETRACHLOROETHYLENE(PCE	4.1E-02		1	1
MW-30	T	10/1/2010	TETRACHLOROETHYLENE(PCE	6.2E-02		1	1
MW-30	T	11/1/2010	TETRACHLOROETHYLENE(PCE	5.4E-02		1	1
MW-30	T	3/1/2011	TETRACHLOROETHYLENE(PCE	5.0E-02		1	1
MW-30	T	6/1/2011	TETRACHLOROETHYLENE(PCE	5.0E-02		1	1
MW-30	T	9/1/2011	TETRACHLOROETHYLENE(PCE	2.5E-02		1	1
MW-30	T	11/11/2011	TETRACHLOROETHYLENE(PCE	3.8E-02		1	1
MW-30	T	6/13/2012	TETRACHLOROETHYLENE(PCE	8.4E-02		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-31
Well Type: T
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.30

Confidence in Trend: 78.1%

Ln Slope: 1.3E-04

LR Concentration Trend: NT

Consolidation Data Table:

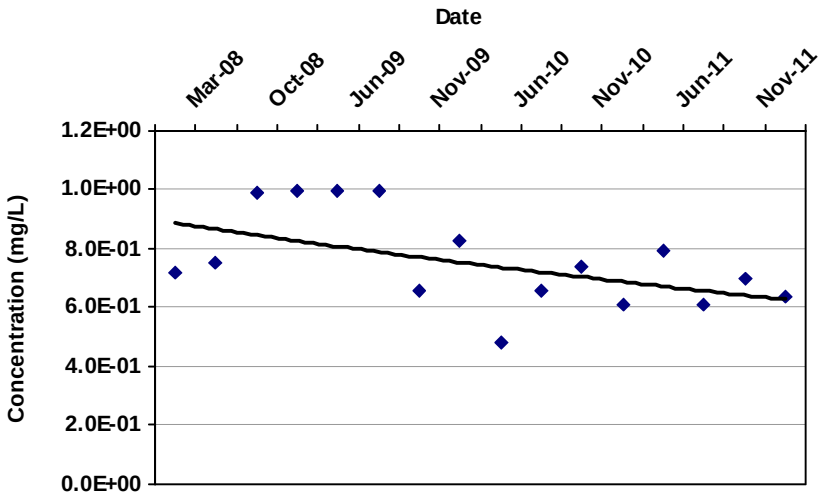
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-31	T	3/1/2008	TETRACHLOROETHYLENE(PCE	4.9E-02		1	1
MW-31	T	6/1/2008	TETRACHLOROETHYLENE(PCE	3.1E-02		1	1
MW-31	T	10/1/2008	TETRACHLOROETHYLENE(PCE	3.9E-02		1	1
MW-31	T	2/1/2009	TETRACHLOROETHYLENE(PCE	4.4E-02		1	1
MW-31	T	6/1/2009	TETRACHLOROETHYLENE(PCE	4.5E-02		1	1
MW-31	T	9/1/2009	TETRACHLOROETHYLENE(PCE	3.8E-02		1	1
MW-31	T	11/1/2009	TETRACHLOROETHYLENE(PCE	2.4E-02		1	1
MW-31	T	2/1/2010	TETRACHLOROETHYLENE(PCE	3.4E-02		1	1
MW-31	T	6/1/2010	TETRACHLOROETHYLENE(PCE	3.4E-02		1	1
MW-31	T	10/1/2010	TETRACHLOROETHYLENE(PCE	3.0E-02		1	1
MW-31	T	11/1/2010	TETRACHLOROETHYLENE(PCE	2.7E-02		1	1
MW-31	T	3/1/2011	TETRACHLOROETHYLENE(PCE	2.6E-02		1	1
MW-31	T	6/1/2011	TETRACHLOROETHYLENE(PCE	6.4E-02		1	1
MW-31	T	9/1/2011	TETRACHLOROETHYLENE(PCE	5.7E-02		1	1
MW-31	T	11/11/2011	TETRACHLOROETHYLENE(PCE	5.8E-02		1	1
MW-31	T	6/13/2012	TETRACHLOROETHYLENE(PCE	4.4E-02		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-32
Well Type: T
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 0.21

Confidence in Trend: 97.6%

Ln Slope: -2.3E-04

LR Concentration Trend: D

Consolidation Data Table:

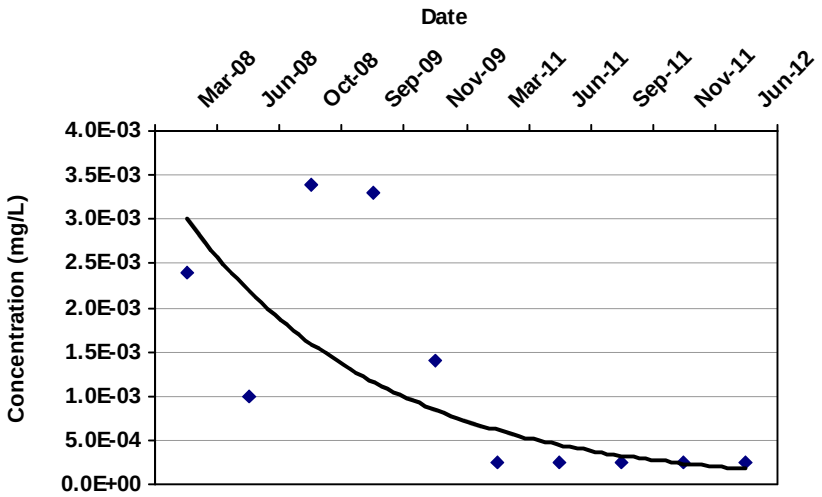
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-32	T	3/1/2008	TETRACHLOROETHYLENE(PCE	7.2E-01		1	1
MW-32	T	6/1/2008	TETRACHLOROETHYLENE(PCE	7.5E-01		1	1
MW-32	T	10/1/2008	TETRACHLOROETHYLENE(PCE	9.9E-01		1	1
MW-32	T	2/1/2009	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-32	T	6/1/2009	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-32	T	9/1/2009	TETRACHLOROETHYLENE(PCE	1.0E+00		1	1
MW-32	T	11/1/2009	TETRACHLOROETHYLENE(PCE	6.6E-01		1	1
MW-32	T	2/1/2010	TETRACHLOROETHYLENE(PCE	8.3E-01		1	1
MW-32	T	6/1/2010	TETRACHLOROETHYLENE(PCE	4.8E-01		1	1
MW-32	T	10/1/2010	TETRACHLOROETHYLENE(PCE	6.6E-01		1	1
MW-32	T	11/1/2010	TETRACHLOROETHYLENE(PCE	7.4E-01		1	1
MW-32	T	3/1/2011	TETRACHLOROETHYLENE(PCE	6.1E-01		1	1
MW-32	T	6/1/2011	TETRACHLOROETHYLENE(PCE	7.9E-01		1	1
MW-32	T	9/1/2011	TETRACHLOROETHYLENE(PCE	6.1E-01		1	1
MW-32	T	11/11/2011	TETRACHLOROETHYLENE(PCE	7.0E-01		1	1
MW-32	T	6/13/2012	TETRACHLOROETHYLENE(PCE	6.4E-01		1	1

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well: MW-33
Well Type: T
COC: TETRACHLOROETHYLENE(PCE)

Time Period: 8/1/2000 **to** 6/13/2012
Consolidation Period: No Time Consolidation
Consolidation Type: Median
Duplicate Consolidation: Average
ND Values: 1/2 Detection Limit
J Flag Values : Actual Value



COV: 1.02

Confidence in Trend: 99.9%

Ln Slope: -1.8E-03

LR Concentration Trend: D

Consolidation Data Table:

Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW-33	T	3/1/2008	TETRACHLOROETHYLENE(PCE	2.4E-03		1	1
MW-33	T	6/1/2008	TETRACHLOROETHYLENE(PCE	1.0E-03		1	1
MW-33	T	10/1/2008	TETRACHLOROETHYLENE(PCE	3.4E-03		1	1
MW-33	T	9/1/2009	TETRACHLOROETHYLENE(PCE	3.3E-03		1	1
MW-33	T	11/1/2009	TETRACHLOROETHYLENE(PCE	1.4E-03		1	1
MW-33	T	3/1/2011	TETRACHLOROETHYLENE(PCE	2.5E-04	ND	1	0
MW-33	T	6/1/2011	TETRACHLOROETHYLENE(PCE	2.5E-04	ND	1	0
MW-33	T	9/1/2011	TETRACHLOROETHYLENE(PCE	2.5E-04	ND	1	0
MW-33	T	11/11/2011	TETRACHLOROETHYLENE(PCE	2.5E-04	ND	1	0
MW-33	T	6/13/2012	TETRACHLOROETHYLENE(PCE	2.5E-04	ND	1	0

Note: Increasing (I); Probably Increasing (PI); Stable (S); Probably Decreasing (PD); Decreasing (D); No Trend (NT); Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events); ND = All Samples are Non-detect

APPENDIX D

BORING LOGS

TETRA TECH

BORING LOG
MW-30

Project: Herman Kishner Trust	Borehole Depth: 38 feet bgs	Sampling Method: Split spoon	
Location: [illegible]	Borehole Diameter: 12 inches		
Project No.: 103P172821	Reviewed By: Vladimir Prilepin, P.G. #7305	Northing (feet): TBA	
Logged By: [illegible]		Easting (feet): TBA	
Date Boring Started: 1-9-12	Drilling Contractor: WDC Expl & Wells	Ground Surface Elevation (feet MSL): TBA	
Date Boring Completed: 1-9-12	Drilling Method: HSA [illegible]	Top of Casing Elevation (feet MSL): TBA	

Depth (feet bgs)	Recovery	Blow Counts	Time	Sample No	USCS	Graphic Log	Interval and Lithologic Description	OVA (ppm, BZ = breathing zone)
0							Asphalt 3"	
1	Cleared w/ air knife				SM		7.5 YR 5/6 silty sand w/ gravel low mod plastic poorly graded damp 80% F-C sand 10% fines 10% gravels (cobbles) no odor	
4							Color change to 5YR 8/2 ↑ sand ↓ gravels	
5							Mod cemented gravels w/ caliche ~ 5' bgs	
6		8					7.5 YR 4/3 Silty Sand low-mod plastic dry Sub ang-sub rnd gravels no odor gravels ≤1" 80% sand 10% fines 10% gravel	
10		7					7.5 YR 5/6 Silty sand increasing fines decreasing sands mod plastic damp well graded sub angular sands + small gravels Sand 80% fines 20% ↓ gravels no odor	
15		7			ML		7.5 YR 5/6 Sandy Silt well graded moist no odors Sand 30% fines 70% mod plastic	
20								

TETRA TECH

BORING LOG
MW-

Project: Herman Kishner Trust	Borehole Depth: feet bgs	Sampling Method: Split spoon
Location:	Borehole Diameter: inches	Page 2 of 2
Project No.: 103P172821	Reviewed By: Vladimir Prilepin, P.G. #7305	Northing (feet): TBA
Logged By:		Easting (feet): TBA
Date Boring Started:	Drilling Contractor: WDC Expl.& Wells	Ground Surface Elevation (feet MSL): TBA
Date Boring Completed:	Drilling Method: HSA	Top of Casing Elevation (feet MSL): TBA

Depth (feet bgs)	Recovery	Blow Counts	Time	Sample No.	USCS	Graphic Log	Interval and Lithologic Description	OVA (ppm, BZ = breathing zone)
20								
21		X			ML to SP		7.5 YR 5/4 Sandy silt wet no odor brown ~70% 30% sand thin layers of 1" of med-coarse sand	
22								
23							water producing-layer ~22' well graded sands w/ little fines	
24								
25					ML-SW		Well graded sands 4% in layers wet no odor	
26		X						
27					SC		Clayey sands 7.5 YR 5/4	
28								
29								
30								
31		X			SM		7.5 YR 5/4 Silty clayey sands wet plastic 70-80% fine sand 30-20% fines sticky no odor no gravel	
32								
33								
34								
35					CH		Silty clay 7.5 YR 5/4 wet plastic 80% fines 20% f-c sand no odor	
36		6						
37								
38							boring terminated ~38' bgs	
39								
40								

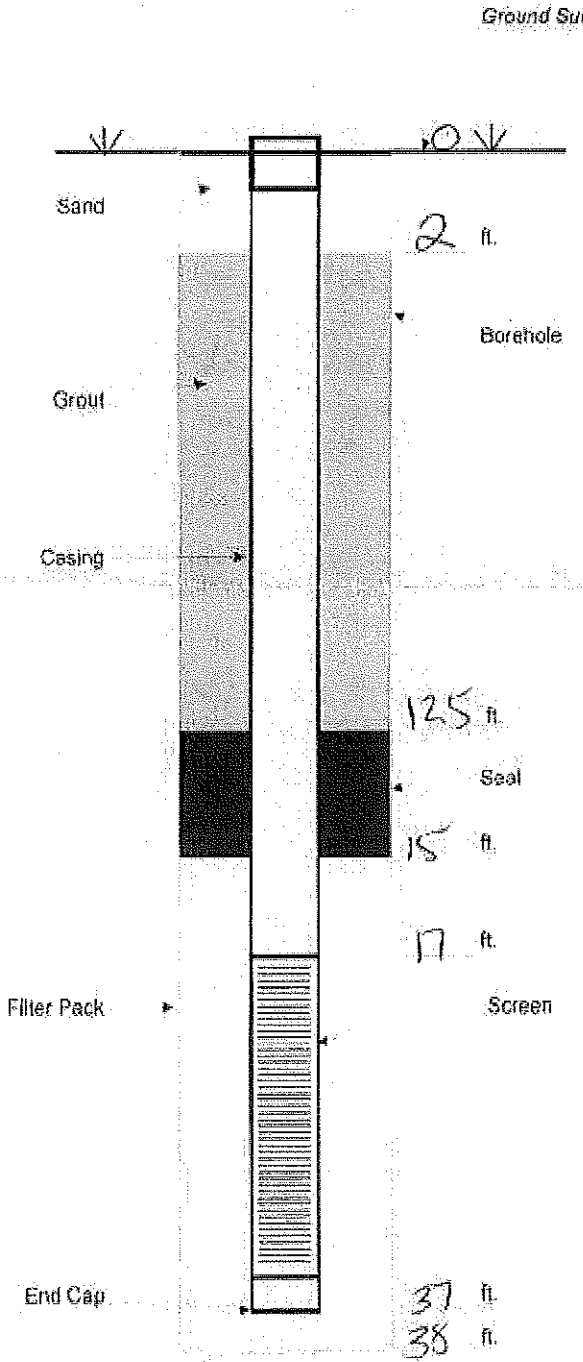
WELL CONSTRUCTION LOG

WELL NUMBER: MW-3le

WELL TYPE: Monitoring Well

SURFACE ELEV (ft. above MSL): TBA

CASING ELEV (ft. above MSL): TBA



DRILLING SUMMARY

DATE COMPLETED: 1-3-2012

DRILLING COMPANY: WDC Exploration & Wells

DRILLING RIG TYPE: Hollow Stem Auger

TOTAL DEPTH DRILLED: feet bgs

CONSTRUCTION DETAILS

BOREHOLE DIAMETER: 12 inches

TOTAL WELL DEPTH: 38 feet

BLANK CASING TYPE: SCH 40 PVC

BLANK CASING DIAMETER: 4 inches

TOTAL BLANK CASING LENGTH: 17 feet

SCREEN TYPE: Slotted Sch. 40 PVC

SCREEN SLOT SIZE: 0.010 inches

SCREEN LENGTH: 20 feet

SUMP LENGTH: N/A

PROTECTIVE CASING STICKUP: N/A

GROUT MATERIAL: Portland Cement/Bentonite

SEAL MATERIAL: Coated Bentonite Chips

FILTER PACK MATERIAL: #3 Sand Lapis Lustre Equivalent

TRANSITION MATERIAL: N/A

COMMENTS:

TETRA TECH

BORING LOG
MW-37

Project: Herman Kishner Trust Location: Pueblo Way Project No.: 103P172821 Logged By: B. Quino Date Boring Started: 1-13-12 Date Boring Completed:	Borehole Depth: 35 feet bgs Borehole Diameter: 12 inches Reviewed By: Vladimir Prilepin, P.G. #7305 Drilling Contractor: WDC Expl & Wells Drilling Method: HSA (CME 85 Rig)	Sampling Method: Split spoon Page 1 of 2 Northing (feet): TBA Easting (feet): TBA Ground Surface Elevation (feet MSL): TBA Top of Casing Elevation (feet MSL): TBA

Depth (feet bgs)	Recovery	Blow Counts	Time	Sample No.	USCS	Graphic Log	Interval and Lithologic Description	OVA (ppm, BZ = breathing zone)
0							Asphalt 8"	
1					SM		7.5 YR 4/6 SM Silty Sand poorly graded 10% small gravels 70% f-c sand 20% fines no odor sub ang - sub round sands/gravels low plastic damp	
2								
3							@ 3' large cobble gravel - small cobbles in Silty Sand Same as above	
4								
5								
6		6					5YR 4/6 SM Silty Sand well sorted 5% small gravels ≈ 1/4" ~60% fine-c sands ~35% fines no odor sub round sub ang sands-gravels low plastic damp	
7		9		X				
8		10						
9								
10		8					5YR 4/6 SM Silty Sand loose sand damp no odor low plastic No gravels ~90% sands f-m ~10% fines	
11		16		X				
		20						
12								
13							5YR 4/6 SC clayey sand damp no odor no gravels med-hi plastic	
14								
15					SC		SC clayey lens @ 3" thick @ 16'	
16				X	SM		7.5 YR 4/3 Silty Sand same as above diff color	
17								
18								
19								
20								

TETRA TECH

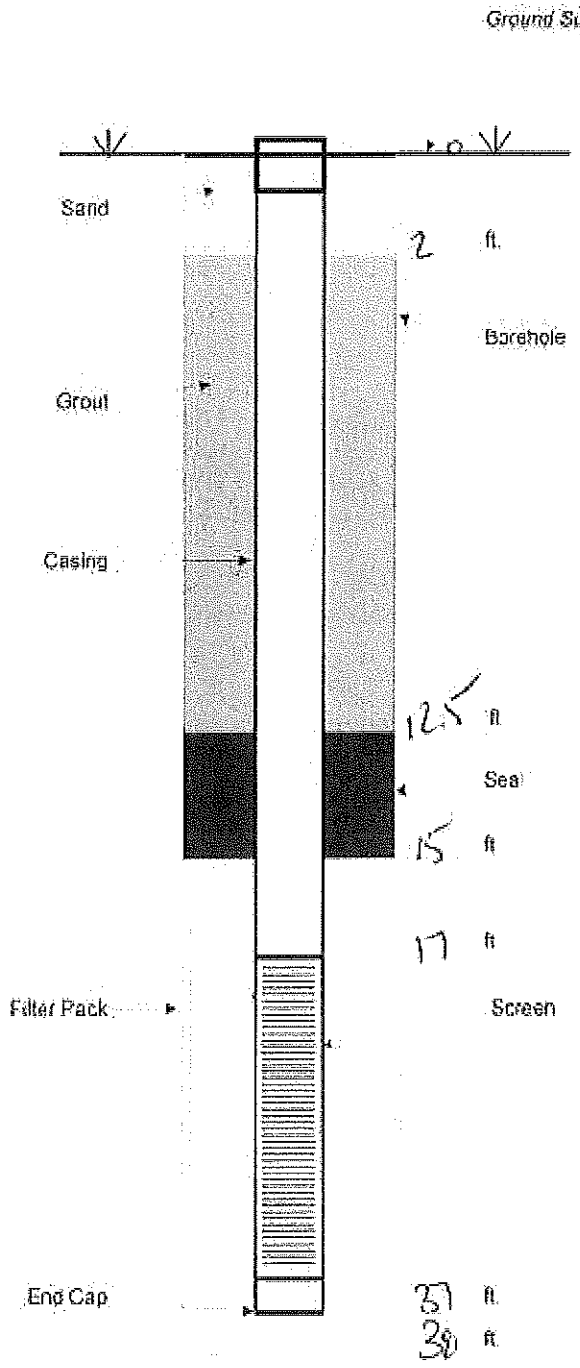
BORING LOG
MW-31

Project: Herman Kishner Trust	Borehole Depth: feet bgs	Sampling Method: Split spoon
Location: Pueblo Way	Borehole Diameter: inches	Page 2 of 2
Project No.: 103P172821	Reviewed By: Vladimir Prilepin, P.G. #7305	Northing (feet): TBA
Logged By:		Easting (feet): TBA
Date Boring Started: 1-10-12	Drilling Contractor: WDC Expl.&Wells	Ground Surface Elevation (feet MSL): TBA
Date Boring Completed: 1-10-12	Drilling Method: HSA	Top of Casing Elevation (feet MSL): TBA

Depth (feet bgs)	Recovery	Blow Counts	Time	Sample No.	USCS	Graphic Log	Interval and Lithologic Description	OVA (ppm, BZ = breathing zone)
20								
21 ▽	X			X	SW		7.5 YR 4/6 well graded sands subround sands fine ~95% fines ~5% no odor wet no plastic	
22								
23								
24								
25					SM		7.5 YR 4/4 Silty sand poorly graded subrnd sand ~70% f-m sand ~30% fines wet low plastic no odor	
26	X				CL		Sandy Clay 7.5 YR 4/6 wet hi plastic fines ~60% sands ~40%	
27					SM			
					CL		Silty sand w/ gravels 7.5 YR 4/6 ~60% f-c sand ~30% fines ~10% gravels subrnd-sub ang no odor wet	
28					SM			
29							7.5 YR 5/1 Sandy clay damp med. Hi plastic ~70% fines ~30 sands	
30								
31	X			X	SM		7.5 YR 4/6 Silty clayey sand damp Hi plast medium no gravel ~40% f-c sand ~60% fines	
32								
33								
34								
35					SW		Well graded sand w/ silt wet subrnd sands f-c ~90% fines ~10% no plastic	
36	X			X	SC		Silty sand 7.5 YR 4/6 no odor damp-wet f-c sand ~70% ~20-40% fines no odor low-med plastic	
37								
38								
39								
40								

WELL CONSTRUCTION LOG

WELL NUMBER: MW37
WELL TYPE: Monitoring Well
SURFACE ELEV (ft. above MSL): TBA
CASING ELEV (ft. above MSL): TBA



DRILLING SUMMARY

DATE COMPLETED: 1-10-12
DRILLING COMPANY: WDC Exploration & Wells
DRILLING RIG TYPE: Hollow Stem Auger
TOTAL DEPTH DRILLED: feet bgs

CONSTRUCTION DETAILS

BOREHOLE DIAMETER: 10 inches
TOTAL WELL DEPTH: 38 feet
BLANK CASING TYPE: SCH 40 PVC
BLANK CASING DIAMETER: 4 inches
TOTAL BLANK CASING LENGTH: 17 feet
SCREEN TYPE: Slotted Sch. 40 PVC
SCREEN SLOT SIZE: 0.010 inches
SCREEN LENGTH: 20 feet
SUMP LENGTH: N/A
PROTECTIVE CASING STICKUP: N/A
GROUT MATERIAL: Concrete bentonite slurry
SEAL MATERIAL: bentonite chips
FILTER PACK MATERIAL: #3 Lapis Lucida Coarse Sand
TRANSITION MATERIAL: N/A
COMMENTS:

Well Development Log

Project: [illegible] **Project #:** 103P172821
Well # MW-3U **Date:** 1-11-12 **Logged By:** [illegible]

Start: 1013 **End:** 1141

Start DTW STATIC 1955

Time	Flow Rate	pH	EC	Turbidity	DO	Temp	Salinity	TDS	ORP	Water Level	Comments
1015		6.82	0.378		5.4	23.1	0.20	2.4	174	22.15	Deployed
1023	1gpm	6.64	0.383	453	5.4	23.1	0.20	2.5	190	20.40	
1027	↓	6.62	0.385	1,004	5.2	23.3	0.20	2.5	197	20.30	
1035		6.57	0.384	50.1	5.7	23.5	0.20	2.5	204	20.35	Clearing
1040		6.54	0.383	12.73	5.4	23.6	0.20	2.4	212	20.36	Clear
1045		6.54	0.382	5.05	5.0	23.6	0.20	2.6	215	20.37	
1050		6.54	0.382	3.79	4.9	23.6	0.20	2.4	218	20.37	
1055		6.54	0.382	2.09	4.8	23.6	0.20	2.4	219	20.35	
1100		6.54	0.382	2.73	4.7	23.7	0.20	2.4	219	20.35	
1105		6.54	0.382	1.98	4.7	23.7	0.20	2.4	217	20.36	
1110		6.54	0.381	3.75	4.6	23.7	0.20	2.4	218	20.36	
1115		6.54	0.381	3.80	4.6	23.7	0.20	2.4	220	20.26	
1120		6.55	0.381	2.23	4.5	23.7	0.20	2.4	221	20.36	
1125		6.55	0.381	1.50	4.5	23.7	0.20	2.4	223	20.46	
1130		6.54	0.381	1.11	4.5	23.7	0.20	2.4	224	20.46	
1135		6.55	0.380	1.54	4.5	23.7	0.20	2.4	225	20.36	
1140	↓	6.56	0.381	1.91	4.4	23.8	0.20	2.4	225	20.36	

Well Development Log

Project: MSC Delineation **Project #:** 103017282I

Well # MW 37 **Date:** 1-11-12 **Logged By:** R.Duarte

Start: 1359 **End:** 1520

Time	Flow Rate	pH	EC	Turbidity	DO	Temp	Salinity	TDS	ORP	Water Level	Comments
1403	2gpM	6.60	0.367	92.4	8.1	20.4	0.21	2.4	162	20.15	[illegible]
1408	↓	6.50	0.368	65.2	7.1	20.8	0.20	2.3	163	20.4	Clearing
1413	1gpm	6.48	0.367	32.7	6.7	20.9	0.20	2.4	169	20.6	Clearing
1420		6.53	0.369	9.95	6.5	21.0	0.20	2.0	172	20.83	Clear
1425		6.53	0.368	4.85	6.5	20.9	0.20	2.4	176	20.82	
1430		6.55	0.368	1.79	6.4	20.9	0.20	2.4	179	20.83	
1435		6.57	0.368	0.67	6.5	20.9	0.20	2.4	181	20.83	
1440		6.57	0.365	0.65	6.4	21.0	0.20	2.4	183	20.83	
1445		6.60	0.365	0.42	6.4	21.0	0.20	2.4	185	20.83	
1450		6.62	0.368	0.21	6.4	20.9	0.20	2.4	187	20.83	
1455		6.63	0.368	0.14	6.3	20.9	0.20	2.4	188	20.83	
1500		6.64	0.365	0.15	6.3	21.0	0.20	2.4	190	20.83	
1505		6.65	0.365	0.35	6.3	21.0	0.20	2.4	192	20.83	
1510		6.65	0.365	0.23	6.3	21.0	0.20	2.4	193	20.83	
1515		6.69	0.368	0.25	6.3	21.0	0.20	2.4	194	20.83	
1520		6.66	0.368	0.00	6.2	21.0	0.20	2.4	197	20.83	
1525	↓	6.66	0.368	0.07	6.2	21.0	0.20	022.4	198	20.83	

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. .....
Permit No. .....
Basin .....

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form it its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 36365

1. OWNER Clark County
MAILING ADDRESS 500 S. Grand Central Pkwy.

ADDRESS AT WELL LOCATION Pacific ST. Right of Way

2. LOCATION SW ¼ NW ¼ Sec 13 T 21S N/S R 61 E
PERMIT/WAIVER No. 162-13-299-019 (Issued by Water Resources) Parcel No.

Latitude 36 07' 29" Longitude 118 06' 55"
UTM E ..... N .....
☐ NAD 27 ☑ NAD 83/WGS 84
Subdivision Name: County: Clark

3. WORKED PERFORMED
☑ New Well ☐ Replace ☐ Recondition ☐ Deepen ☐ Other...

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal/Industrial ☑ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC ☐ Air ☑ Other...

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Silty Sand		0	4	4
Clay		4	8	4
Clay w/gravel		8	10	2
Brown Clay		10	20	10
	14			
Silty sandy Clay		20	21	1
Sandy Gravel		21	35	14

Date started 4/26/2012 , 20
Date completed 4/26/2012 , 20

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

8. WELL CONSTRUCTION
Depth Drilled 37 Feet Depth Cased 35 Feet

HOLE DIAMETER (BIT SIZE)

	From	To
8 Inches	0 Feet	35 Feet
Inches	Feet	Feet
Inches	Feet	Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2		Schl 40	15	0

Perforations:
Type of perforation Machine slot
Size of perforation 0.02
From 35 feet to 15 feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal .....
Placement Method: ☑ Pumped ☐ Poured
Gravel Packed: ☑ Yes ☐ No
From 35 feet to.. 13 feet
Seal Type: ☐ Neat Cement ☑ Cement Grout ☐ Concrete Grout

9. WATER LEVEL
Static water level 16.5 feet below land surface
Artesian flow ..... G.P.M ..... P.S.I
Water temperature ..... °F Quality

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Eagle Drilling (Contractor)
Address 7150 Placid St. L.V., Nv. 89119 (Contractor)
Nevada contractor's license number issued by the *State Contractor's Board* 51266
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2399
Signed ..... (By driller performing actual drilling on site or contractor)
Date 5/11/12

(Rev. 06/10)

USE ADDITIONAL SHEETS IF NECESSARY

LOG OF WELL MW-38

SHEET 1 OF 2

Client Herman Kishner Trust | Drill Contractor Eagle | Elevation 1991.4

Project Name Maryland Square Shopping Center | Drill Method HSA

Number 085.42620.0001 | Drilling Started 4/26/12 Ended 4/26/12 | Total Depth 37

Location 3661 South Maryland Parkway | Logged By EB | Depth To Water ATD 15.83 AD 16.5

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	WELL CONSTRUCTION DETAIL	ELEVATION (feet)
						Asphalt.	Traffic rated vault box in concrete	
				SM		Fill: SILTY SAND with GRAVEL; fine sands, poorly graded; fine gravels, sub angular to sub rounded; low plasticity; dry; no odor; no staining.		1990
5				OL		CLAY with SILT: brown; silt; clay; low to moderate plasticity; dry; no odor, no staining.	2" schedule 40 PVC blank casing	1985
10				CL		CLAY with GRAVEL: brown; clay, low to moderate plasticity; gravel, sub angular; slightly moist; no odor; no staining.	Hydrated bentonite	1980
15	SPT	6/13/11				Same as 8': Moist Wet	Sand pack	1975
20	SPT	6/8/31	0.0	SW		SAND with GRAVEL: fine sand, well graded; gravel, sub angular to sub rounded; wet; no odor; no staining.		1970
25	SPT	5/12/15	0.0				2" schedule 40 PVC screen casing with 0.020' slots	1965
30	SPT	5/8/15	0.0					1960
							Bottom cap	

(continued)

VATC ASSOCIATES INC.
2925 East Patrick Lane, Suite M
Las Vegas, NV 89120
Phone: 702.798.5750
Fax: 702.798.5742

Remarks Boring drilled using 8-inch diameter hollow-stem auger drilling equipment and converted to a 2-inch diameter groundwater monitoring well. Reference elevation surveyed to Clark County datum.

LOG OF WELL MW-38

SHEET 2 OF 2

Client Herman Kishner Trust
Project Name Maryland Square Shopping Center
Number 085.42620.0001
Location 3661 South Maryland Parkway

Drill Contractor Eagle
Drill Method HSA
Drilling Started 4/26/12 Ended 4/26/12
Logged By EB

Elevation 1991.4
Total Depth 37
Depth To Water ATD 15.83
AD 16.5

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	WELL CONSTRUCTION DETAIL	ELEVATION (feet)
	SPT	8/12/13	0.0	SW		SAND with GRAVEL: fine sand, well graded; gravel, sub angular to sub rounded; wet; no odor; no staining.*(continued)*		1955
						Bottom of hole at 37 feet bgs.		
40								1950
45								1945
50								1940
55								1935
60								1930
65								1925

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MW 39

STATE OF NEVADA
DIVISION OF WATER RESOURCES

WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. .....
Permit No. .....
Basin .....

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form it its entirety in accordance with NRS 534.170 and NAC 534.340

NOTICE OF INTENT NO. 36561

1. OWNER School Board of Trustees
MAILING ADDRESS 2832 E. Flamingo Rd LV., NV., 89121

ADDRESS AT WELL LOCATION 1560 Cherokee Ln.
Las Vegas, NV.

2. LOCATION SE ¼ NW ¼ Sec 14 T 21S N/S R 61 E
PERMIT/WAIVER No. 162-14-202-001
Issued by Water Resources Parcel No.

Latitude 36 07' 29" UTM E ☐ NAD 27
Longitude 115 07' 51" N ☑ NAD 83/WGS 84
Subdivision Name: *County:* Clark

3. WORKED PERFORMED
☑ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Other...

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☑ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC
☐ Air ☑ Other...

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
Silty Sand		0	10	10
Red Clay		10	37	27
	14			

Date started 4/27/2012 , 20
Date completed 4/27/2012 , 20

7. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

8. WELL CONSTRUCTION
Depth Drilled 37 Feet Depth Cased 35 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
8	Inches	0	Feet	35	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
2		Schl 40	15	0

Perforations:
Type of perforation Machine slot
Size of perforation 0.02
From 35 feet to 15 feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet
From ..... feet to ..... feet

Surface Seal: ☑ Yes ☐ No
Depth of Seal .....
Placement Method: ☑ Pumped ☐ Poured
Gravel Packed: ☑ Yes ☐ No
From 37 feet to.. 13 feet

Seal Type:
☐ Neat Cement
☑ Cement Grout
☐ Concrete Grout

9. WATER LEVEL
Static water level 15 feet below land surface
Artesian flow ..... G.P.M ..... P.S.I
Water temperature ..... ° F Quality

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Eagle Drilling
Contractor
Address 7150 Placid St. L.V., Nv. 89119
Contractor

Nevada contractor's license number issued by the *State Contractor's Board* 51266
Nevada driller's license number issued by the Division of Water Resources, the *on-site driller* 2399

Signed .....
By driller performing actual drilling on site or contractor
Date 5/11/12

(Rev. 06/10)

USE ADDITIONAL SHEETS IF NECESSARY

LOG OF WELL MW-39

SHEET 1 OF 2

Client Herman Kishner Trust | Drill Contractor Eagle | Elevation 1967.6

Project Name Maryland Square Shopping Center | Drill Method HSA

Number 085.42620.0001 | Drilling Started 4/28/12 Ended 4/28/12 | Total Depth 37

Location 3661 South Maryland Parkway | Logged By EB | Depth To Water ATD 27.5 AD 16.68

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	WELL CONSTRUCTION DETAIL	ELEVATION (feet)
						Asphalt.	Traffic rated vault box in concrete	
				SM		SILTY SAND: light brown; silt; fine sand, medium grained; dry; no odor; no staining.		1965
5						SILTY SAND: light brown; silt, medium stiff; sand, fine grained; moist; no odor; no stain.	2" schedule 40 PVC blank casing	1960
10	AU		0.0	SM		Same as 5': brown		1955
15	AU		0.0			SILT LOAM: brown; silt; clay, low plasticity; fine sand; moist; no odor; no staining.	Sand Pack	1950
20				ML				1945
25							2" schedule 40 PVC screen casing with 0.020' slots	1940
30	SPT	10/13/14		CH		CLAY: red; stiff, high plasticity; wet; no odor; no staining.	Bottom cap	1935

(continued)

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LOG OF WELL MW-39

SHEET 2 OF 2

Client Herman Kishner Trust
Project Name Maryland Square Shopping Center
Number 085.42620.0001
Location 3661 South Maryland Parkway

Drill Contractor Eagle
Drill Method HSA
Drilling Started 4/28/12 Ended 4/28/12
Logged By EB

Elevation 1967.6
Total Depth 37
Depth To Water ATD 27.5
AD 16.68

DEPTH (feet)	SAMPLE NO.	BLOWS/6"	PID (ppm)	USCS	LITHOLOGY	DESCRIPTION	WELL CONSTRUCTION DETAIL	ELEVATION (feet)
				CH		CLAY: red; stiff, high plasticity; wet; no odor; no staining.*(continued)*		
						Bottom of hole at 37 feet bgs.		

40 45 50 55 60 65

1930 1925 1920 1915 1910 1905 1900

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