REPORT
QUARTERLY GROUNDWATER SAMPLING
FIRST QUARTER 2008
MARYLAND SQUARE SHOPPING CENTER
3661 SOUTH MARYLAND PARKWAY
LAS VEGAS, NEVADA
For AL PHILLIPS THE CLEANER

URS Corporation
Job No. 26698778
April 14, 2008

April 14, 2008

National Drycleaners, Inc.
c/o Randall Jackson
Williams & Company Consulting, Inc.
9237 Ward Parkway, Suite 114
Kansas City, MO 64114

Al Phillips the Cleaner
3250 Ali Baba Lane, Suites C-F
Las Vegas, NV 89118
Attn: Mr. Stephen Mailloux

Re: **First Quarter 2008 Groundwater Sampling**
Maryland Square Shopping Center
3661 South Maryland Parkway, Las Vegas, Nevada
Facility ID: H-000086

Gentlemen:

URS Corporation is pleased to submit the First Quarter 2008 quarterly groundwater sampling event report for the Maryland Square Shopping Center. Groundwater from eleven monitoring wells was sampled during this quarterly sampling event. The groundwater samples were submitted to a laboratory to test for volatile organic compounds.

The Nevada Division of Environmental Protection requires the following statements to be provided by the responsible Environmental Manager for this project (per NRS 459.500):

> *"I hereby certify that all laboratory analytical data was generated by a laboratory certified by the NDEP for each constituent and media presented herein."*
>
> *"I, Scott Ball, 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*."

Sincerely,

URS Corporation

Scott Ball

Scott Ball, CEM #1316
Expires Oct 15, 2009
Project Manager

cc: Mary Siders, NDEP

URS Corporation
811 Grier Drive
Las Vegas, NV 89119
Tel: 702.492.7900
Fax: 702.492.9149

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Prepared for:

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Las Vegas, Nevada 89118

and

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URS

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1.0 INTRODUCTION AND BACKGROUND

This report presents the results of the First Quarter 2008 groundwater sampling event at the former Al Phillips the Cleaner (Al Phillips) facility in the former Maryland Square Shopping Center located at 3661 South Maryland Parkway in Las Vegas, Nevada (Figure 1). This report includes the results of groundwater sampling of 11 of the 33 monitoring wells located on and around the Al Phillips site conducted during March 2008. URS Corporation (URS), on behalf of Al Phillips, conducted the work. As required by state law, this project is being performed under the supervision of a certified environmental manager.

Al Phillips took over control of assessment activities at the site from the Herman Kishner Trust in the spring of 2004, after which all site characterization and monitoring work has been conducted by URS. Prior to URS site investigations, Converse Consultants (Converse) performed several subsurface assessments and groundwater monitoring events at the former Al Phillips facility from August 2000 through March 2004. Converse's findings indicated that tetrachloroethylene (PCE) was detected in soil beneath the former facility and in groundwater adjacent to, and downgradient from, the facility. URS reviewed Converse's reports (see References in section 5) and other documents obtained from Converse and the Nevada Division of Environmental Protection (NDEP).

URS evaluated prior data to assess whether the PCE source area for the groundwater plume, the lateral and vertical extent of the groundwater plume, the geology of the site, and the nature of PCE concentrations in the groundwater plume, were characterized. Based upon Converse's reports, concentrations of PCE above regulatory levels are present in soil beneath the former facility and in groundwater. Al Phillips and URS met with NDEP on April 29, 2004, to discuss the transfer of site responsibility to Al Phillips from the Herman Kishner Trust. Following this meeting, a work plan for additional characterization was prepared with a final revised plan issued September 10, 2004, as noted above.

In addition to the data provided by Converse, URS obtained findings from SECOR International Incorporated (SECOR, 2004) regarding the presence of a hydrocarbon plume in downgradient monitoring well MW-11. This monitoring well is located on the Boulevard Mall property, east of the former Al Phillips site. This well was sampled on February 12, 2004, by representatives from both SECOR and Converse. Analysis of the samples determined that a phase-separated liquid, identified as a weathered gasoline, was present in the groundwater from the well. SECOR performed remedial action at this well from April 2005 to March 2007 to remove hydrocarbon-contaminated water.

In April 2005, URS drilled seven boreholes in and around the site of the former Al Phillips facility. URS drilled three boreholes (B-6, B-7, and B-8) around the area where the dry cleaning equipment was formerly located. The other five boreholes (B-9 through B-12) were drilled in areas surrounding the location. Soil samples were taken at 5-foot intervals from each borehole, except for B-11 and B-12. Based on analytical results from the soil samples collected during the April 2005 drilling and sampling event, only three soil samples (B-8-5', B-10-10', and B-10-15') exceeded the preliminary remediation goal (PRG) for PCE of 3,400 micrograms per kilogram (µg /kg) for soil located on an industrial parcel. The highest concentration detected was 120,000 µg /kg in borehole B-10 at 10 feet below grade.

In addition to the boreholes, six new groundwater monitoring wells were installed by URS in March 2005. These wells are MW-17, MW-18, MW-22, MW-23, MW-24, and MW-25. Well MW-17 is located in the parking area east of the building formerly occupied by Al Phillips. Monitoring wells MW-18, MW-22, MW-23, MW-24, and MW-25 were installed in the residential area downgradient (east) of the Boulevard Mall and Al Phillips. Two additional groundwater monitoring wells were installed by URS in March 2006. These wells are MW-26 and MW-27. Well MW-26 is located downgradient (east) of well MW-25 on Seneca Lane. Well MW-27 is located downgradient (east) of well MW-26 on Ottawa Circle.

URS prepared a Source Removal Corrective Action Plan (URS, 2006) to further assess PCE contamination in the soil at the former Al Phillips Facility site in November 2006. Seventeen additional soil-sampling boreholes were drilled in February 2007, near the location of the twelve boreholes drilled in April 2005, as part of a Source Area Soil Assessment (URS, 2007a). Based on these investigations, URS proposed a remedial method, schedule and site-specific level of cleanup to the NDEP. Based on this new set of data, the NDEP is currently re-evaluating the remedial approach to the downgradient groundwater contamination and has not authorized implementation of the Source Removal Corrective Action Plan.

In February 2007, URS requested a reduction in the frequency of groundwater sampling for the site from quarterly to semi-annual monitoring (URS, 2007b). The NDEP approved the change under specified conditions (NDEP, 2007a).:

In March 2007, URS conducted an off-site soil vapor study (URS, 2007d) in areas downgradient of the former site, including the Boulevard Mall parking lot and locations in the residential area east of the mall. The results of this assessment were provided to NDEP.

In August 2007, URS sent a request to NDEP to modify groundwater sampling procedures (URS, 2007f). The NDEP concurred with the request (NDEP, 2007b) to change from a three volume purge-

and-sample method to low-flow sampling method using procedures established by the U.S. Environmental Protection Agency (EPA) and American Standard for Testing Materials (ASTM). NDEP stipulated that the standards presented in ASTM D 6771-02 must be followed. The low-flow sampling method was initiated during the Third Quarter 2007 sampling event (URS, 2007h).

In October 2007, URS installed three permanent (MW-28, MW-29, and MW-30) and one temporary (B-T) groundwater monitoring wells to further assess the downgradient extent of the PCE impact to groundwater. In March 2008, URS installed three additional groundwater monitoring wells (MW-31, MW-32, and MW-33) and drilled a temporary borehole for continued assessment of the downgradient PCE plume (URS, 2008). Letter reports for these wells installations were provided to NDEP (URS, 2007g and URS, 2008).

In December 2007, NDEP granted permission for discontinuation of sampling monitoring well MW-11 (NDEP, 2007c) due to a history of hydrocarbons in the groundwater at that location (SECOR, 2004). NDEP also recommended revisions to monitoring well sampling frequency based on their data review:

- Wells MW-2, MW-7, MW-8, MW-10, MW-12, MW-15, MW-16, MW-21, MW-22, and MW-24 will be sampled annually.
- Wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-9, MW-13, MW-14, MW-17, MW-28, and MW-29 will be samples semi-annually.
- Wells MW-18, MW-19, MW-20, MW-23, MW-25, MW-26, MW-27, and MW-30 will be sampled quarterly.

2.0 GROUNDWATER SAMPLING PROCEDURES

Based upon the well sampling schedule required by NDEP (NDEP, 2007c), groundwater samples from 8 groundwater monitoring wells (MW-18 through MW-20, MW-23, MW-25 through MW-27, and MW-30) were collected during this sampling event on March 18 and 19, 2008. Three new wells (MW-31, MW-32, and MW-33) were installed in March 4 through 6, 2008, and sampled on March 17, 2008, and therefore, are included in this report as a part of the quarterly sampling. As required by NDEP, depth to groundwater was measured at all wells except MW-11. Well MW-4 is clogged with debris at approximately 16 feet below the surface; therefore depth to groundwater could not be measured.

Before collecting samples at a well, the well was measured for depth to groundwater and then purged using a submersible pump. An electronic water level meter, accurate to the nearest ± 0.01 feet, was used to measure depth to water in each well before and periodically during well purging. The 11 monitoring wells (referenced above) were purged prior to sampling using a low-flow (minimal drawdown) method. A portable pump with a low-flow power booster controller, low-flow control valve and non-return check valve was carefully placed within the saturated screened interval of the well to minimize agitation of the water column.

According to the ASTM method, low-flow pumping refers to the velocity of water entering the pump intake from the formation pore water adjacent to the screen during pumping. The purpose is to minimize stress on the water bearing unit during pumping. Pumping flow rates between 0.1 to 0.5 liters per minute (L/min) are maintained in order to control the well screen entrance velocity and minimize turbulent flow to the well. Frequent water level drawdown measurements were recorded during well purging to establish an optimum rate for pumping. Water quality parameters of temperature, pH, specific conductance (SC), dissolved oxygen (DO), turbidity, total dissolved solids (TDS), and oxidation-reduction potential (ORP) were monitored during well purging to evaluate when stable values were attained. The criteria for defining stabilization of water quality parameters is presented in Table 1 of ASTM D 6771-02: pH - ± 0.2 pH units, Conductivity - ± 3% of reading, DO - ± 10% of reading or ± 0.2 mg/L whichever is greater, and ORP - ± 20 mV. The depth to water, water quality measurements and purge volumes were entered in the Groundwater Sample Collection Log (Appendix A).

The pump, electronic water level meter and field meter probe were decontaminated before use at each well. Purge water and decontamination water was placed in DOT-approved 55-gallon drums. The drums were labeled and stored at the former Al Phillips facility prior to disposal in accordance with regulations.

After purging a well, groundwater samples were transferred from the tubing directly into the appropriate sample containers and were numbered by well number on the sample container. The in-line flow cell used for measuring parameters during purging, was bypassed during sampling.

Groundwater samples were collected in three 40-milliliter clear glass volatile organic analysis (VOA) vials pre-preserved with hydrochloric acid. Three VOA vials were collected in case one was to break during transport. The VOA vials were filled so that there was no headspace. Groundwater samples were labeled with the date and time the sample was collected, the sample and well number, and name of the firm. The sample containers were sealed, labeled, and stored in a cooler with ice. Chain-of-custody forms (Appendix B) were filled out with all the appropriate sample information and accompanied the samples to the Nevada certified analytical laboratory.

3.0 FIELD DATA AND TEST RESULTS

3.1 WATER LEVELS AND GRADIENT

The depth to groundwater in each of 32 monitoring wells was measured March 17 through19, 2008. The values are listed in Table 1 along with historical data. The groundwater elevations ranged from approximately 1918.50 feet above mean sea level in well MW-29 to 1979.99 feet above mean sea level in well MW-12. Figure 2 shows hydrographs for shallow wells during the last 7 years. Since the prior monitoring event, groundwater elevations rose approximately 1 foot in wells east of The Boulevard Mall in the residential neighborhood while dropping approximately 1 foot west of the mall and at the site. The general flow direction for the shallow aquifer is eastward, as indicated by the groundwater contours and flow directions shown on Figure 3.

3.2 GROUNDWATER ANALYSES AND CHEMISTRY

Groundwater samples from the 11 wells identified in Section 2.0 were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B. The laboratory analytical reports and chain-of-custody forms are provided in Appendix B.

Table 2 summarizes field measurements of groundwater temperature, pH, SC, DO, TDS, ORP, and turbidity in the monitoring wells. Groundwater temperatures ranged from 18.8 to 24.8 degrees Centigrade. Groundwater pH in shallow groundwater wells ranged from 6.92 to 7.41 . Groundwater SC in shallow groundwater wells ranged from 3.30 to 6.32 milliSiemens per centimeter. ORP values for shallow wells ranged from 136 to 212 millivolts. Field measurements of DO concentration in the groundwater are used to monitor the extent of natural attenuation occurring within the aquifer. DO concentrations below 0.5 milligrams per liter (mg/L) are considered characteristic of anaerobic conditions (Wiedemeier et al, 1998). DO concentrations during this sampling event in shallow groundwater wells ranged from 2.21 to 7.88 mg/L. TDS concentrations during this sampling event in shallow groundwater wells ranged from 2.1 to 4.1 grams per liter. Field measurements of groundwater turbidity recorded during sampling of the wells ranged from 0.2 to 125 nephelometric turbidity units.

The Nevada Drinking Water Standards Maximum Contaminant Level (MCL) for PCE in groundwater is 5 micrograms per liter (µg/L). Analytical results for groundwater collected during this sampling event indicate that shallow well MW-31 was below the MCL for PCE. Table 3 summarizes the analytical data for PCE detected in the wells. Figures 4A, 4B, and 4C show the PCE concentrations vs. time in the shallow and intermediate wells. The highest concentration of PCE detected this quarter was 1,800 µg/L in shallow well MW-18 located downgradient from the site on

the east side of the Boulevard Mall. The PCE concentration in well MW-31, which is the furthest downgradient well at the site, was 49 µg/L. Figure 5 shows the monitoring well locations, respective PCE concentrations for the shallow wells sampled this quarter and during the 4th quarter 2007, and the estimated PCE plume area for the shallow aquifer for this current sampling event.

Trichloroethene (TCE), cis-1, 2-dichloroethene, and vinyl chloride were not detected in groundwater this sampling event. TCE, cis-1,2-dichloroethene, and vinyl chloride are respectively first, second, and third order reductive dechlorination (anaerobic conditions) degradation compounds of PCE. TCE has been detected in low concentrations in wells MW-2, MW-6, and MW-22 in prior sampling events.

Table 4 summarizes the historic results of laboratory testing for ionic compounds. Ionic compounds were not analyzed during this sampling event, however, a summary from the fourth quarter of 2007 is as follows: iron concentrations ranged from 1.2 to 2.9 mg/L and manganese concentrations ranged from non-detect to 0.065 mg/L; the anions (chloride, nitrate, and sulfate) ranged from 190 to 320 mg/L, 5.0 to 8.0 mg/L and 1,800 to 3,700 mg/L, respectively; total alkalinity laboratory concentrations ranged from 210 to 270 mg/L; and total organ carbon concentrations ranged from 1.2 to 24 mg/L.

4.0 CONCLUSIONS

4.1 GROUNDWATER SAMPLING CONCLUSIONS

Based on the groundwater monitoring results obtained during this and prior sampling events, it appears that the PCE groundwater plume is approximately 550 feet wide beneath the mall and extends to the vicinity of MW-29 and MW-31 approximately 4,000 feet to the east of the former Maryland Square facility as illustrated on Figure 5.

In general, historical laboratory analytical data indicate that PCE concentration levels in monitoring wells have fluctuated over time, dating back to the first analysis by Converse in August 2000. The Mann-Kendall test for trend was applied by NDEP (NDEP, 2007c) for wells in which PCE has generally been detected. The results of the Mann-Kendall test indicate that the plume, in general, appears stable with no trend of increasing or decreasing concentration.

4.2 REMEDIAL EFFORTS AND ASSESSMENTS

Maryland Square LLC, owner of the former Maryland Square Shopping Center site, completed demolition of the buildings at the site in July 2006. According to Maryland Square's property management firm, CB Richard Ellis, plans for development of the property have not been selected. A source removal Corrective Action Plan was submitted to NDEP in early December 2006 and additional soil investigations were performed in the source area during January 2007. An offsite soil vapor survey was conducted during March 2007 on the east side of the Mall property and in the residential area east of the Mall. In light of the data from both these investigations, the NDEP is re-evaluating the onsite and offsite remedial approach.

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TABLES

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing Elevation (feet)	Screen Depth (feet)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (feet)	Elevation (feet)
SHALLOW WELLS						
MW-1	Aug-00	1,991.81	10-30	Oct 00	17.54	1974.27
		1,992.04		Sep 02	17.90	1974.14
				May 03	18.70	1973.34
				Sept 03	18.97	1973.07
				Jan 04	19.30	1972.74
				May 05	15.24	1976.80
				Sept 05	16.74	1975.30
				Dec 05	17.61	1974.43
				Mar 06	18.42	1973.62
				Jun 06	NM	NM
				Oct 06	18.30	1973.74
				Dec 06	18.88	1973.16
				Mar 07	20.08	1971.96
				Jun 07	19.81	1972.23
				Sep 07	18.39	1973.65
				Dec 07	19.01	1973.03
				Mar 08	20.03	1972.01
MW-2	Oct-00	1,983.79	10-32	Oct 00	15.52	1968.27
		1,983.99		Sep 02	16.62	1967.37
				May 03	17.15	1966.84
		1,983.97		Sept 03	17.70	1966.27
				Jan 04	18.25	1965.72
				May 05	14.65	1969.32
				Dec 05	16.00	1967.97
				Mar 06	NM	NM
				Jun 06	17.55	1966.42
				Oct 06	17.25	1966.72
				Dec 06	17.60	1966.37
				Mar 07	18.84	1965.13
				Jun 07	19.01	1964.96
				Sep 07	17.94	1966.03
				Dec 07	18.04	1965.93
				Mar 08	18.82	1965.15
MW-3	Oct-00	1,984.19	10-32	Oct 00	15.95	1968.24
		1,984.46		Sep 02	17.20	1967.26
				May 03	17.70	1966.76
		1,984.43		Sept 03	18.35	1966.08
				Jan 04	19.25	1965.18
				May 05	15.22	1969.21
				Dec 05	16.45	1967.98
				Mar 06	NM	NM
				Jun 06	18.38	1966.05
				Oct 06	17.88	1966.55
				Dec 06	18.26	1966.17

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Maryland Square Shopping Center

Well ID	Install Date	Top of Casing Elevation (feet)	Screen Depth (feet)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (feet)	Elevation (feet)
MW-3	Oct-00	1,984.43	10-32	Mar 07	19.86	1964.57
				Jun 07	20.23	1964.20
				Sep 07	18.99	1965.44
				Dec 07	18.99	1965.44
				Mar 08	19.94	1964.49
MW-4	Oct-00	1,989.68	10-32	Oct 00	16.95	1972.73
		1,989.87		Sep 02	NM	NM
				May 03	18.71	1971.16
		1,989.85		Sept 03	19.05	1970.80
				Jan 04	19.86	1969.99
				May 05	15.83	1974.02
				Dec 05	17.62	1972.23
				Mar 06	NM	NM
				Jun 06	18.36	1971.49
				Oct 06	18.34	1971.51
				Dec 06	NM	NM
				Mar 07	NM	NM
				Jun 07	NM	NM
				Sep 07	18.96	1970.89
				Dec 07	NM	NM
				Mar 08	NM	NM
MW-5	Oct-00	1,988.93	10-32	Oct 00	16.20	1972.73
		1,989.18		Sep 02	17.00	1972.18
				May 03	17.80	1971.38
				Sept 03	18.07	1971.11
				Jan 04	18.65	1970.53
				May 05	14.87	1974.31
				Dec 05	16.80	1972.38
				Mar 06	NM	NM
				Jun 06	17.40	1971.78
				Oct 06	17.46	1971.72
				Dec 06	18.01	1971.17
				Mar 07	19.30	1969.88
				Jun 07	19.12	1970.06
				Sep 07	17.85	1971.33
				Dec 07	18.33	1970.85
				Mar 08	19.31	1969.87
MW-6	Oct-00	1,988.72	10-32	Oct 00	17.41	1971.31
	Oct-00	1,989.01		Sep 02	18.26	1970.75
				May 03	18.87	1970.14
				Sept 03	19.25	1969.76
				Jan 04	19.74	1969.27
				May 05	16.21	1972.80
				Sept 05	17.26	1971.75
				Dec 05	17.88	1971.13

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Maryland Square Shopping Center

Well ID	Install Date	Top of Casing Elevation (feet)	Screen Depth (feet)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (feet)	Elevation (feet)
MW-6	Oct-00	1,989.01	10-32	Mar 06	NM	NM
				Jun 06	18.80	1970.21
				Oct 06	18.73	1970.28
				Dec 06	19.18	1969.83
				Mar 07	20.40	1968.61
				Jun 07	20.28	1968.73
				Sep 07	19.00	1970.01
				Dec 07	19.29	1969.72
				Mar 08	20.26	1968.75
MW-7	Sep 02	1,990.28	10-30	Sep 02	18.27	1972.01
				May 03	16.60	1973.68
		1,990.25		Sept 03	16.79	1973.46
				Jan 04	17.32	1972.93
				May 05	13.86	1976.39
				Sept 05	14.97	1975.28
				Dec 05	15.45	1974.80
				Mar 06	16.41	1973.84
				Jun 06	16.50	1973.75
				Oct 06	16.50	1973.75
				Dec 06	16.87	1973.38
				Mar 07	18.19	1972.06
				Jun 07	18.08	1972.17
				Sep 07	16.31	1973.94
				Dec 07	16.60	1973.65
				Mar 08	17.93	1972.32
MW-8	Sep 02	1,994.25	10-30	Sep 02	18.55	1975.70
				May 03	19.50	1974.75
		1,994.23		Sept 03	19.55	1974.68
				Jan 04	19.91	1974.32
				May 05	15.51	1978.72
				Dec 05	18.48	1975.75
				Mar 06	NM	NM
				Jun 06	18.89	1975.34
				Oct 06	19.12	1975.11
				Dec 06	19.60	1974.63
				Mar 07	20.56	1973.67
				Jun 07	20.31	1973.92
				Sep 07	19.14	1975.09
				Dec 07	19.81	1974.42
				Mar 08	20.61	1973.62
MW-10	Sep 02	1,983.81	10-30	Sep 02	18.51	1965.30
				May 03	18.65	1965.16
		1,983.80		Sept 03	19.45	1964.35
				Jan 04	20.32	1963.48
				May 05	16.76	1967.04

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing Elevation (feet)	Screen Depth (feet)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (feet)	Elevation (feet)
MW-10	Sep 02	1,983.80	10-30	Sept 05	16.95	1966.85
				Dec 05	17.64	1966.16
				Mar 06	19.25	1964.55
				Jun 06	17.90	1965.90
				Oct 06	19.00	1964.80
				Dec 06	19.21	1964.59
				Mar 07	20.84	1962.96
				Jun 07	21.39	1962.41
				Sep 07	20.38	1963.42
				Dec 07	20.26	1963.54
				Mar 08	21.06	1962.74
MW-11	Sep 02	1,980.24	13.5-33.5	Sep 02	24.22	1956.02
				May 03	24.25	1955.99
				Sept 03	25.62	1954.62
				Jan 04	26.22	1954.02
				May 05	22.55	1957.69
				Mar 06	NM	NM
				Jun 06	NM	NM
				Oct 06	NM	NM
				Dec 06	NM	NM
				Mar 07	25.51	1954.73
				Jun 07	NM	NM
				Sep 07	26.13	1954.11
				Dec 07	NM	NM
				Mar 08	NM	NM
MW-12	Sep 02	1,996.59	13.5-33.5	Sep 02	14.90	1981.69
				May 03	15.07	1981.52
		1,996.50		Sept 03	15.30	1981.20
				Jan 04	15.40	1981.10
				May 05	12.34	1984.16
				Sept 05	13.45	1983.05
				Dec 05	14.20	1982.30
				Mar 06	15.00	1981.50
				Jun 06	NM	NM
				Oct 06	14.71	1981.79
				Dec 06	15.05	1981.45
				Mar 07	16.55	1979.95
				Jun 07	16.31	1980.19
				Sep 07	14.27	1982.23
				Dec 07	15.04	1981.46
				Mar 08	16.51	1979.99
MW-13	May-03	1,984.23	9-29	May 03	17.25	1966.98
		1,984.20		Sept 03	17.60	1966.60
				Jan 04	18.00	1966.20
				May 05	14.76	1969.44

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing Elevation (feet)	Screen Depth (feet)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (feet)	Elevation (feet)
MW-13	May-03	1,984.20	9-29	Sept 05	15.60	1968.60
				Dec 05	16.05	1968.15
				Mar 06	17.24	1966.96
				Jun 06	17.40	1966.80
				Oct 06	17.15	1967.05
				Dec 06	17.47	1966.73
				Mar 07	18.58	1965.62
				Jun 07	18.66	1965.54
				Sep 07	17.41	1966.79
				Dec 07	17.50	1966.70
				Mar 08	18.31	1965.89
MW-14	Nov-03	1,987.89	15-40	Jan 04	18.35	1969.54
				May 05	15.02	1972.87
				Dec 05	16.50	1971.39
				Mar 06	17.54	1970.35
				Jun 06	17.61	1970.28
				Oct 06	17.42	1970.47
				Dec 06	17.78	1970.11
				Mar 07	18.93	1968.96
				Jun 07	18.80	1969.09
				Sep 07	17.40	1970.49
				Dec 07	17.66	1970.23
				Mar 08	18.63	1969.26
MW-15	Nov-03	1,983.28	15-31	Jan 04	15.60	1967.68
				May 05	12.59	1970.69
				Sept 05	13.45	1969.83
				Dec 05	13.77	1969.51
				Mar 06	15.00	1968.28
				Jun 06	15.15	1968.13
				Oct 06	14.91	1968.37
				Dec 06	15.17	1968.11
				Mar 07	16.31	1966.97
				Jun 07	16.16	1967.12
				Sep 07	14.80	1968.48
				Dec 07	14.71	1968.57
				Mar 08	16.62	1966.66
MW-16	Nov-03	1,980.63	19-35	Jan 04	26.22	1954.41
				May 05	23.41	1957.22
				Sept 05	24.12	1956.51
				Dec 05	24.21	1956.42
				Mar 06	25.06	1955.57
				Jun 06	26.05	1954.58
				Oct 06	25.67	1954.96
				Dec 06	25.56	1955.07
				Mar 07	26.33	1954.30

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing Elevation (feet)	Screen Depth (feet)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (feet)	Elevation (feet)
MW-16	Nov-03	1,980.63	19-35	Jun 07	27.28	1953.35
				Sep 07	27.03	1953.60
				Dec 07	26.46	1954.17
				Mar 08	26.33	1954.30
MW-17 (4-inch)	Apr-05	1,990.92	15-30	May 05	15.07	1975.85
				Dec 05	17.05	1973.87
				Mar 06	NM	NM
				Jun 06	NM	NM
				Oct 06	17.91	1973.01
				Dec 06	18.41	1972.51
				Mar 07	19.63	1971.29
				Jun 07	19.48	1971.44
				Sep 07	17.91	1973.01
				Dec 07	18.45	1972.47
				Mar 08	19.51	1971.41
MW-18 (4-inch)	Apr-05	1,962.87	5-25	May 05	8.71	1954.16
				Sept 05	9.69	1953.18
				Dec 05	9.70	1953.17
				Mar 06	10.21	1952.66
				Jun 06	11.64	1951.23
				Oct 06	11.21	1951.66
				Dec 06	10.98	1951.89
				Mar 07	11.36	1951.51
				Jun 07	12.53	1950.34
				Sep 07	12.45	1950.42
				Dec 07	11.54	1951.33
				Mar 08	11.15	1951.72
MW-19	Nov-03	1,980.26	19-35	Jan 04	25.65	1954.61
				May 05	22.70	1957.56
				Dec 05	23.65	1956.61
				Mar 06	NM	NM
				Jun 06	25.55	1954.71
				Oct 06	25.23	1955.03
				Dec 06	25.01	1955.25
				Mar 07	25.77	1954.49
				Jun 07	26.84	1953.42
				Sep 07	26.41	1953.85
				Dec 07	25.52	1954.74
				Mar 08	25.35	1954.91
MW-20	Nov-03	1,979.99	19-35	Jan 04	25.50	1954.49
				May 05	22.58	1957.41
				Dec 05	23.55	1956.44
				Mar 06	NM	NM
				Jun 06	25.48	1954.51
				Oct 06	25.04	1954.95

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing Elevation (feet)	Screen Depth (feet)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (feet)	Elevation (feet)
MW-20	Nov-03	1,979.99	19-35	Dec 06	24.85	1955.14
				Mar 07	26.63	1953.36
				Jun 07	26.76	1953.23
				Sep 07	26.30	1953.69
				Dec 07	25.38	1954.61
				Mar 08	25.12	1954.87
MW-21	Nov-03	1,979.56	19-35	Jan 04	24.72	1954.84
				May 05	21.76	1957.80
				Sept 05	22.70	1956.86
				Dec 05	22.85	1956.71
				Mar 06	23.46	1956.10
				Jun 06	24.68	1954.88
				Oct 06	24.35	1955.21
				Dec 06	24.15	1955.41
				Mar 07	24.87	1954.69
				Jun 07	25.95	1953.61
				Sep 07	25.44	1954.12
				Dec 07	24.34	1955.22
				Mar 08	24.19	1955.37
MW-22 (4-inch)	Apr-05	1,974.76	15-35	May 05	23.04	1951.72
				Sept 05	24.18	1950.58
				Dec 05	24.30	1950.46
				Mar 06	24.68	1950.08
				Jun 06	25.91	1948.85
				Oct 06	25.79	1948.97
				Dec 06	25.49	1949.27
				Mar 07	24.73	1950.03
				Jun 07	26.91	1947.85
				Sep 07	26.90	1947.86
				Dec 07	25.88	1948.88
				Mar 08	25.17	1949.59
MW-23 (4-inch)	Apr-05	1,962.32	5-25	May 05	13.06	1949.26
				Dec 05	14.05	1948.27
				Mar 06	NM	NM
				Jun 06	15.60	1946.72
				Oct 06	15.48	1946.84
				Dec 06	15.16	1947.16
				Mar 07	15.12	1947.20
				Jun 07	16.40	1945.92
				Sep 07	16.61	1945.71
				Dec 07	15.80	1946.52
				Mar 08	15.18	1947.14
MW-24 (4-inch)	Apr-05	1,960.74	5-25	May 05	10.72	1950.02
				Sept 05	11.75	1948.99
				Dec 05	11.65	1949.09

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing Elevation (feet)	Screen Depth (feet)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (feet)	Elevation (feet)
MW-24 (4-inch)	Apr-05	1,960.74	5-25	Mar 06	12.10	1948.64
				Jun 06	13.16	1947.58
				Oct 06	13.06	1947.68
				Dec 06	12.80	1947.94
				Mar 07	12.88	1947.86
				Jun 07	13.94	1946.80
				Sep 07	14.24	1946.50
				Dec 07	13.58	1947.16
				Mar 08	12.98	1947.76
MW-25 (4-inch)	Apr-05	1,960.74	5-25	May 05	16.01	1944.73
				Sept 05	17.45	1943.29
				Dec 05	16.85	1943.89
				Mar 06	17.30	1943.44
				Jun 06	18.64	1942.10
				Oct 06	18.75	1941.99
				Dec 06	18.61	1942.13
				Mar 07	17.72	1943.02
				Jun 07	19.31	1941.43
				Sep 07	19.96	1940.78
				Dec 07	18.92	1941.82
				Mar 08	17.87	1942.87
MW-26 (4-inch)	Mar-06	1953.48	10-35	Mar 06	15.60	1937.88
				Jun 06	17.00	1936.48
				Oct 06	17.17	1936.31
				Dec 06	NM	NM
				Mar 07	15.66	1937.82
				Jun 07	17.50	1935.98
				Sep 07	18.12	1935.36
				Dec 07	17.01	1936.47
				Mar 08	15.91	1937.57
MW-27 (4-inch)	Mar-06	1944.23	10-35	Mar 06	13.48	1930.75
				Jun 06	18.50	1925.73
				Oct 06	16.16	1928.07
				Dec 06	13.85	1930.38
				Mar 07	12.58	1931.65
				Jun 07	18.43	1925.80
				Sep 07	17.85	1926.38
				Dec 07	14.41	1929.82
				Mar 07	13.65	1930.58
MW-28 (4-inch)	Oct-07	1942.97	15-35	Nov 07	14.02	1928.95
				Dec 07	12.80	1930.17
				Mar 08	11.61	1931.36
MW-29 (4-inch)	Oct-07	1932.27	15-35	Nov 07	14.20	1918.07
				Dec 07	14.01	1918.26
				Mar 08	13.77	1918.50

TABLE 1
SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing Elevation (feet)	Screen Depth (feet)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (feet)	Elevation (feet)
MW-30 (4-inch)	Oct-07	1940.56	20-40	Nov 07	20.11	1920.45
				Dec 07	17.12	1923.44
				Mar 08	16.32	1924.24
MW-31 (4-inch)	Mar-08	1937.93	13.5-33.5	Mar 08	15.23	1937.59
MW-32 (4-inch)	Mar-08	1952.82	13.5-33.5	Mar 08	17.25	1935.57
MW-33 (4-inch)	Mar-08	1950.92	13.5-33.5	Mar 08	16.02	1934.90
INTERMEDIATE WELL						
MW-9	Sep-02	1,992.26	48.5-50	Sep 02	18.46	1973.80
				May 03	19.15	1973.11
				Sept 03	19.02	1973.24
				Jan 04	19.05	1973.21
				May 05	15.36	1976.90
				Sept 05	17.85	1974.41
				Dec 05	17.68	1974.58
				Mar 06	18.55	1973.71
				Jun 06	NM	NM
				Oct 06	18.40	1973.86
				Dec 06	19.00	1973.26
				Mar 07	20.19	1972.07
				Jun 07	19.95	1972.31
				Sep 07	18.51	1973.75
				Dec 07	19.20	1973.06
				Mar 08	20.16	1972.10

NOTES: All wells are 2-inch diameter PVC casing and screen, unless indicated.
Elevations are in feet above mean sea level.
All wells installed prior to September 2003 were resurveyed in September of 2003.
NM = Not Measured

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (^oC)	TDS (g/L)	Oxidation-Reduction Potential (mV)
SHALLOW WELLS								
MW-1	Jan-04	6.97	3.48	NM	0.93	22.5	NM	NM
	May-05	7.02	3.98	441	5.43	26.0	NM	110
	Sep-05	7.08	4.16	64	6.99	27.5	2.7	129
	Dec-05	6.98	5.10	290	2.01	26.9	3.2	404
	Mar-06	**	5.62	>999	**	23.1	3.7	545
	Jun-06	NM	NM	NM	NM	NM	NM	NM
	Oct-06	6.32	3.71	81	4.61	26.7	2.4	129
	Dec-06	6.74	4.44	>999	5.12	26.9	2.8	111
	Jun-07	7.02	2.29	611	6.24	25.7	1.4	468
	Dec-07	6.35	3.90	15	5.53	22.2	2.5	223
MW-2	Jan-04	7.05	3.10	NM	1.13	23.2	NM	NM
	May-05	6.93	3.47	698	4.82	23.4	NM	193
	Dec-05	6.63	4.82	360	2.67	25.4	3.1	264
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.70	728	6.98	24.9	2.4	116
	Oct-06	6.12	3.48	20	5.11	24.4	2.2	161
	Dec-06	6.78	4.19	28	4.94	24.5	2.7	241
	Jun-07	6.98	3.52	539	5.65	24.4	2.3	305
	Dec-07	6.30	3.59	144	6.86	21.8	2.3	314
MW-3	Jan-04	6.87	2.91	NM	0.97	22.4	NM	NM
	May-05	6.99	2.88	**	2.54	26.0	NM	149
	Dec-05	6.55	4.69	100	0.88	27.3	3.0	33
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.76	285	5.61	26.4	2.4	-32
	Oct-06	5.91	3.90	26	2.04	26.7	2.5	279
	Dec-06	6.69	4.80	272	2.89	26.7	3.1	9
	Jun-07	7.06	3.70	605	3.59	25.9	2.4	43
	Dec-07	6.13	3.92	55.1	2.17	21.9	2.5	135
MW-4	Jan-04	6.95	2.71	NM	1.23	22.0	NM	NM
	May-05	6.83	3.73	664	3.68	24.2	NM	160
	Dec-05	6.68	4.90	670	3.22	25.9	3.1	219
	Mar-06	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)
	Jun-06	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)
	Oct-06	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (^oC)	TDS (g/L)	Oxidation-Reduction Potential (mV)
MW-4	Dec-06	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)
	Jun-07	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)
	Dec-07	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)	NM(1)
MW-5	Jan-04	6.72	2.61	NM	1.20	22.3	NM	NM
	May-05	7.09	2.59	**	4.56	25.4	NM	184
	Dec-05	6.78	5.28	>999	1.51	26.8	3.3	377
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.80	>999	6.93	26.6	2.4	126
	Oct-06	6.23	3.51	21	4.82	26.7	2.2	99
	Dec-06	6.81	4.49	134	5.36	26.5	2.9	93
	Jun-07	7.04	3.44	375	6.51	25.2	2.2	460
	Dec-07	6.27	3.77	28.3	5.73	24.4	2.4	159
MW-6	Jan-04	6.97	2.31	NM	1.19	22.4	NM	NM
	May-05	6.91	2.35	**	2.81	25.9	NM	123
	Sep-05	6.99	3.95	34	6.23	26.9	2.3	-119
	Dec-05	6.80	4.86	220	1.10	26.5	3.2	163
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	4.00	707	6.34	26.7	2.4	172
	Oct-06	6.27	3.55	7	4.12	26.5	2.3	61
	Dec-06	6.69	4.23	96	4.37	26.2	2.7	239
	Jun-07	7.09	3.45	352	5.56	24.9	2.2	241
	Dec-07	6.19	3.81	4.3	5.35	24.8	2.4	277
MW-7	Jan-04	7.00	2.23	NM	0.93	22.4	NM	NM
	May-05	7.10	1.79	**	4.03	24.8	NM	129
	Sep-05	6.97	4.62	140	6.22	26.6	3.0	144
	Dec-05	6.67	5.33	5	1.80	23.8	3.4	472
	Mar-06	4.67	6.71	428	**	22.4	4.2	634
	Jun-06	**	4.12	>999	6.58	26.2	2.6	-14
	Oct-06	6.24	3.68	>999	4.41	25.0	2.3	92
	Dec-06	6.86	4.80	>999	5.72	25.1	3.0	65
	Jun-07	7.12	3.59	450	6.26	25.1	2.2	129
	Dec-07	6.21	4.03	0	2.34	22.5	2.6	161
MW-8	Jan-04	6.99	2.16	NM	1.04	22.0	NM	NM
	May-05	7.03	1.75	**	3.64	27.7	NM	107
	Dec-05	6.68	4.24	>999	2.08	24.1	2.7	483

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (^oC)	TDS (g/L)	Oxidation-Reduction Potential (mV)
MW-8	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.66	>999	6.92	27.4	2.3	185
	Oct-06	6.24	3.44	>999	5.86	26.7	2.2	108
	Dec-06	6.91	4.27	>999	6.96	27.0	2.7	103
	Jun-07	7.05	3.52	259	7.27	27.3	2.3	287
	Dec-07	6.46	3.71	0	3.53	25.5	2.4	158
MW-10	Jan-04	7.00	3.13	NM	1.03	24.4	NM	NM
	May-05	6.82	3.20	25	1.46	28.1	NM	-253
	Sep-05	6.96	2.90	28	3.89	27.9	1.9	-239
	Dec-05	6.69	3.66	57	1.47	23.9	2.3	-140
	Mar-06	5.73	1.77	153	**	21.3	1.2	-154
	Jun-06	**	2.10	>999	3.54	28.1	1.5	-303
	Oct-06	6.16	1.37	86	1.58	27.1	0.9	-272
	Dec-06	6.82	3.90	144	3.94	26.6	2.5	-321
	Jun-07	6.95	3.46	>999	2.71	27.3	2.1	-179
	Dec-07	6.88	3.6	0	0.61	24.5	2.3	-170
MW-11	Jan-04	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)
	May-05	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)
	Mar-06	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)
	Jun-06	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)
	Oct-06	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)
	Dec-06	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)
	Jun-07	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)
	Dec-07	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)	NM(2)
MW-12	Jan-04	6.99	2.15	NM	NM	22.4	NM	NM
	May-05	6.76	2.58	**	3.22	24.9	NM	219
	Sep-05	7.03	4.22	160	4.96	25.6	2.7	95
	Dec-05	6.68	4.98	210	2.00	22.5	3.2	523
	Mar-06	**	6.65	91	**	23.5	4.2	503
	Jun-06	NM	NM	NM	NM	NM	NM	NM
	Oct-06	6.32	3.94	>999	3.88	26.1	2.5	112
	Dec-06	6.61	4.38	>999	6.15	25.3	2.8	206
	Jun-07	7.12	3.75	>999	3.46	25.5	2.4	-39
	Dec-07	6.32	3.91	286	2.59	24.7	2.5	207
MW-13	Jan-04	6.61	3.29	NM	1.07	22.2	NM	NM

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (^oC)	TDS (g/L)	Oxidation-Reduction Potential (mV)
MW-13	May-05	6.97	2.06	>999	4.16	24.5	NM	118
	Sep-05	7.07	3.95	270	6.85	25.4	2.5	144
	Dec-05	6.70	5.03	330	2.19	24.9	3.2	250
	Mar-06	5.45	3.64	44	**	22.8	2.3	68
	Jun-06	**	3.72	425	7.11	24.2	2.4	120
	Oct-06	6.16	3.63	50	3.84	24.6	2.3	169
	Dec-06	6.75	4.25	94	4.17	24.5	2.7	330
	Mar-07	6.87	3.51	308	9.46	24.0	2.3	514
	Jun-07	7.04	3.49	0	6.14	23.6	2.2	411
	Sep-07	6.74	3.31	3	4.74	27.7	2.1	228
	Dec-07	6.43	3.68	19.7	6.54	21.3	2.4	282
MW-14	Jan-04	6.99	2.27	NM	1.30	22.3	NM	NM
	May-05	6.95	3.23	NM	NM	24.7	NM	140
	Dec-05	6.78	5.31	>999	2.07	26.1	3.3	206
	Mar-06	5.23	6.76	898	**	24.2	4.3	234
	Jun-06	**	3.93	>999	6.75	25.4	2.5	119
	Oct-06	6.06	3.55	>999	6.96	24.8	2.3	297
	Dec-06	6.76	4.50	350	4.18	25.7	2.9	226
	Mar-07	6.82	3.71	455	8.08	25.1	2.4	501
	Jun-07	6.97	3.72	259	6.40	24.8	2.4	299
	Sep-07	6.77	3.49	103	4.15	32.2	2.2	220
	Dec-07	6.43	4.03	9.7	5.66	23.3	2.6	147
MW-15	Jan-04	6.35	2.20	NM	1.00	22.4	NM	NM
	May-05	6.99	2.33	**	2.85	25.1	NM	164
	Sep-05	6.97	3.57	36	3.48	25.8	2.3	-24
	Dec-05	6.58	4.45	140	1.03	25.9	2.8	-38
	Mar-06	4.70	6.40	20	**	23.9	4.0	613
	Jun-06	**	3.84	300	4.26	26.0	2.5	106
	Oct-06	6.17	3.66	10	2.01	25.7	2.3	51
	Dec-06	6.78	4.68	15	3.44	25.9	3.0	28
	Jun-07	6.97	3.62	37	3.08	25.3	2.3	362
	Dec-07	6.38	3.66	0	1.94	23.3	2.3	170
MW-16	Jan-04	6.97	2.31	NM	0.68	22.4	NM	NM
	May-05	7.12	2.88	**	1.10	25.2	NM	-4
	Sep-05	7.00	3.42	520	3.50	24.6	2.3	-31

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (^oC)	TDS (g/L)	Oxidation-Reduction Potential (mV)
MW-16	Dec-05	6.74	3.76	>999	1.30	25.3	2.4	48
	Mar-06	5.15	5.74	199	**	23.8	3.6	162
	Jun-06	**	3.44	>999	5.56	27.1	2.2	-64
	Oct-06	6.25	3.39	32	2.00	24.6	2.2	-145
	Dec-06	6.52	3.62	271	2.87	24.4	1.3	-52
	Jun-07	6.72	3.27	282	2.23	25.0	2.1	94
	Dec-07	6.46	3.36	0	1.90	24.9	2.2	82
MW-17	May-05	6.92	3.49	22	5.94	24.1	NM	181
	Dec-05	6.90	4.65	6	2.30	26.8	3.0	240
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	NM	NM	NM	NM	NM	NM	NM
	Oct-06	6.22	3.45	2	7.36	24.9	2.2	174
	Dec-06	6.86	4.14	25	6.81	24.1	2.7	386
	Mar-07	7.00	3.56	87	8.12	24.3	2.3	350
	Jun-07	7.02	3.66	37	7.26	25.0	2.3	471
	Sep-07	6.74	3.44	0	4.95	26.7	2.2	197
	Dec-07	6.26	3.89	0	4.81	19.7	2.5	176
MW-18	May-05	7.10	3.86	>999	5.56	24.3	NM	139
	Sep-05	7.10	4.12	3	6.21	26.3	2.6	88
	Dec-05	6.79	4.73	**	1.98	25.2	3.0	420
	Mar-06	5.17	6.21	3	**	23.3	3.9	237
	Jun-06	**	3.61	304	6.18	25.4	2.3	166
	Oct-06	6.30	3.47	0	4.06	25.5	2.2	127
	Dec-06	6.80	4.16	0	4.30	24.7	2.7	297
	Mar-07	7.01	3.44	23	7.53	22.8	2.2	286
	Jun-07	7.02	3.46	24	5.54	23.9	2.2	394
	Sep-07	6.81	3.28	22	5.43	29.3	2.1	210
	Dec-07	6.30	3.64	0	5.77	21.6	2.3	232
	Mar-08	6.94	3.45	0.2	4.30	21.2	2.2	212
MW-19	Jan-04	6.99	1.90	NM	1.02	22.4	NM	NM
	May-05	7.13	1.86	**	5.76	25.0	NM	130
	Dec-05	6.64	4.74	**	1.95	24.7	3.0	388
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.69	>999	7.86	27.1	2.4	86
	Oct-06	6.10	3.69	>999	4.60	23.9	2.4	175

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (^oC)	TDS (g/L)	Oxidation-Reduction Potential (mV)
MW-19	Dec-06	6.80	4.38	>999	5.70	23.9	2.8	595
	Mar-07	6.93	3.66	>999	9.08	24.3	2.3	284
	Jun-07	7.10	3.53	>999	6.72	24.5	2.3	551
	Sep-07	6.84	3.40	352	5.09	27.4	2.2	201
	Dec-07	6.40	3.76	440	5.60	24.3	2.4	150
	Mar-08	7.04	3.68	7.6	5.19	24.8	2.3	190
MW-20	Jan-04	6.94	2.07	NM	1.11	22.6	NM	NM
	May-05	7.16	1.32	**	4.97	23.6	NM	131
	Dec-05	6.76	4.37	**	0.77	20.5	2.8	272
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.82	736	6.91	28.6	2.1	70
	Oct-06	6.13	2.63	>999	4.11	23.7	1.8	234
	Dec-06	6.79	4.11	284	4.34	23.9	2.6	245
	Mar-07	6.92	3.34	999	9.84	23.8	2.2	530
	Jun-07	7.04	3.45	>999	5.39	23.8	2.2	346
	Sep-07	6.83	3.26	248	4.42	32.5	2.1	207
	Dec-07	6.33	3.75	24.60	5.37	21.9	2.4	180
	Mar-08	6.92	3.52	33.00	3.99	23.6	2.3	184
MW-21	Jan-04	6.91	2.04	NM	1.08	22.3	NM	NM
	May-05	7.07	2.82	**	2.88	24.6	NM	131
	Sep-05	7.06	4.66	39	4.07	25.8	2.6	109
	Dec-05	6.64	4.60	>999	0.54	24.3	2.9	264
	Mar-06	5.52	3.58	140	**	23.0	2.3	309
	Jun-06	**	3.50	>999	4.73	28.5	2.3	112
	Oct-06	6.24	3.46	>999	1.99	24.1	2.2	79
	Dec-06	6.74	4.48	617	2.72	24.0	2.9	89
	Jun-07	7.03	3.44	>999	4.22	24.2	2.2	373
	Dec-07	6.24	3.71	>999	4.44	19.3	2.4	117
MW-22	May-05	6.79	3.89	474	1.68	24.1	NM	46
	Sep-05	6.90	4.25	10	7.16	23.9	2.7	46
	Dec-05	6.42	4.20	**	1.31	24.6	2.7	213
	Mar-06	4.79	6.09	30	**	24.0	3.8	269
	Jun-06	**	3.39	287	5.96	26.4	2.2	376
	Oct-06	5.98	3.74	11	2.43	23.8	2.4	141
	Dec-06	6.48	4.48	0	3.52	23.5	2.9	477

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (^oC)	TDS (g/L)	Oxidation-Reduction Potential (mV)
MW-22	Jun-07	6.72	3.77	26	3.39	24.3	2.4	137
	Dec-07	6.31	3.98	55.6	2.32	23.8	2.5	216
MW-23	May-05	7.00	3.63	**	2.56	24.5	NM	121
	Dec-05	6.71	4.91	**	2.13	24.9	3.1	320
	Mar-06	NM	NM	NM	NM	NM	NM	NM
	Jun-06	**	3.68	318	5.77	23.8	2.3	238
	Oct-06	6.27	3.50	0	2.51	24.0	2.2	107
	Dec-06	6.79	4.21	0	3.20	24.2	2.7	2
	Mar-07	NM	NM	NM	NM	NM	NM	NM
	Jun-07	6.99	3.49	31	4.23	23.5	2.2	301
	Sep-07	6.81	3.31	1	3.78	25.8	2.1	204
	Dec-07	6.28	3.69	0	5.52	22.1	2.4	250
	Mar-08	6.99	6.32	0.4	2.21	24.0	4.1	188
MW-24	May-05	6.97	3.56	>999	1.48	23.1	NM	76
	Sep-05	7.00	3.83	25	3.62	25.8	2.4	5
	Dec-05	6.56	4.46	29	1.04	25.6	2.7	183
	Mar-06	4.70	6.02	1	**	22.6	3.8	503
	Jun-06	**	3.44	201	5.11	25.1	2.2	132
	Oct-06	6.17	3.20	0	1.22	25.5	2.0	-23
	Dec-06	6.85	4.13	0	2.56	25.1	2.6	62
	Jun-07	7.05	3.25	23	2.53	23.2	2.1	409
	Dec-07	6.21	3.46	0	1.72	24.4	2.2	118
MW-25	May-05	7.03	4.00	>999	4.34	23.6	NM	141
	Sep-05	7.01	4.18	30	5.10	26.2	2.7	57
	Dec-05	6.63	5.28	0	1.35	24.7	3.3	417
	Mar-06	5.15	6.67	94	**	23.6	4.2	255
	Jun-06	**	3.93	228	5.74	23.5	2.5	376
	Oct-06	6.23	3.72	0	3.08	23.6	2.4	106
	Dec-06	6.74	4.45	0	3.75	23.9	2.8	429
	Mar-07	7.02	3.72	>999	7.45	23.3	2.4	258
	Jun-07	6.96	3.73	50	4.51	23.0	2.4	485
	Sep-07	6.72	3.52	15	3.59	27.0	2.3	195
	Dec-07	6.27	3.89	0	4.79	19.4	2.5	168
	Mar-08	6.94	3.65	11.9	2.52	24.4	2.3	170

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (^oC)	TDS (g/L)	Oxidation-Reduction Potential (mV)
MW-26	Mar-06	6.83	3.75	0	2.59	23.8	2.4	158
	Jun-06	**	2.32	229	4.83	24.1	1.5	305
	Oct-06	6.18	69.40	0	2.91	23.7	2.4	180
	Dec-06	NM	NM	NM	NM	NM	NM	NM
	Mar-07	6.99	3.76	>999	7.14	23.5	2.4	422
	Jun-07	7.01	3.51	41	4.82	23.6	2.5	517
	Sep-07	6.74	3.56	5	3.48	27.1	2.3	176
	Dec-07	6.42	3.98	0	5.12	21.7	2.5	212
	Mar-08	6.97	3.81	0.7	7.88	24.3	2.4	176
MW-27	Mar-06	6.83	3.28	0	2.44	21.9	2.1	142
	Jun-06	**	3.67	626	4.57	26.1	2.3	69
	Oct-06	6.20	3.32	0	2.84	22.2	2.1	155
	Dec-06	6.81	4.02	507	4.48	22.2	2.6	444
	Mar-07	6.97	3.25	83	6.96	21.9	2.1	181
	Jun-07	7.04	3.26	238	4.14	22.2	2.1	392
	Sep-07	6.76	3.41	22	3.40	24.2	2.2	198
	Dec-07	6.37	3.84	0	3.52	20.6	2.5	153
	Mar-08	7.02	3.40	1.4	2.45	22.6	2.2	174
MW-28	Nov-07	6.80	4.15	196	9.62	26.8	2.7	125
MW-29	Nov-07	6.89	4.26	15.1	6.04	21.8	2.7	108
MW-30	Nov-07	6.81	3.68	144	3.09	24.2	2.4	135
	Mar-08	6.94	3.3	7.2	3.69	18.8	2.1	204
MW-31	Mar-08	6.97	4.65	125	6.02	22.5	2.9	152
MW-32	Mar-08	7.41	3.64	5.4	2.44	23.3	2.3	136
MW-33	Mar-08	6.99	3.49	82.4	7.55	20.3	2.2	161
Average		6.66	4.03	153	4.11	24.5	2.5	188

TABLE 2
SUMMARY OF FIELD WATER QUALITY MEASUREMENTS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	pH	Specific Conductance (mS/cm)	Turbidity (ntu)	Dissolved Oxygen (mg/L)	Temperature (^oC)	TDS (g/L)	Oxidation-Reduction Potential (mV)
INTERMEDIATE WELL								
MW-9	Jan-04	6.99	2.50	NM	1.18	22.60	NM	NM
	May-05	7.14	2.68	296	7.56	26.12	NM	130
	Sep-05	7.17	1.81	4	6.58	27.10	1.2	111
	Dec-05	6.88	2.45	33	2.49	26.60	1.6	123
	Mar-06	5.06	2.08	>999	**	25.90	1.3	496
	Jun-06	NM	NM	NM	NM	NM	NM	NM
	Oct-06	6.30	2.38	0	4.11	25.71	1.5	86
	Dec-06	6.81	2.96	0	5.09	25.46	1.9	233
	Jun-07	7.12	2.47	0	5.60	26.09	1.6	428
	Dec-07	NM	NM	NM	NM	NM	NM	NM
Average		6.68	2.42	56	4.66	25.70	1.5	230

NOTES: ** = Instrument failure. NM = Not Measured.
(1) = Monitoring Well MW-4 was not sampled due to blockage in well casing.
(2) = Monitoring Well MW-11 was not sampled due to detection of floating hydrocarbons in the well.
^oC = degrees Celsius. uS = microsiemens (equivalent to umhos). mg/L = milligrams per liter.
mV = millivolts. Ntu = Nephelometric Turbidity Units.

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (µg/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene
SHALLOW WELLS				
MW-1	Aug 00	2,300	ND	ND
	Oct 00	NS	NS	NS
	Sep 02	2,000	ND	ND
	May 03	870	ND	ND
	Sep 03	2,300	ND	ND
	Jan 04	1,700	ND	ND
	May 05	3,500	ND	ND
	Sep 05	1,700	ND	ND
	Dec 05	820	ND	ND
	Mar 06	420	ND	ND
	Jun 06	NS	NS	NS
	Oct 06	1,100	ND	ND
	Dec 06	1,300	ND	ND
	Jun 07	450	ND	ND
	Dec 07	710	ND	ND
MW-2	Oct 00	3,000	18	18
	Sep 02	3,000	13	13
	May 03	1,400	ND	ND
	Sep 03	1,700	ND	ND
	Jan 04	1,700	ND	ND
	May 05	2,050	17	9.7
	Dec 05	2,900	ND	ND
	Mar 06	NS	NS	NS
	Jun 06	1,600	ND	ND
	Oct 06	1,900	ND	ND
	Dec 06	1,300	ND	ND
	Jun 07	1,400	ND	ND
	Dec 07	1,000	ND	ND
MW-3	Oct 00	98	ND	ND
	Sep 02	ND	ND	ND
	May 03	6.9	ND	ND
	Sep 03	12	ND	ND
	Jan 04	6.7	ND	ND
	May 05	ND	ND	ND
	Dec 05	ND	ND	ND
	Mar 06	NS	NS	NS
	Jun 06	ND	ND	ND
	Oct 06	ND	ND	ND
	Dec 06	1.2	ND	ND
	Jun 07	ND	ND	ND
	Dec 07	1.4	ND	ND
MW-4	Oct 00	14	ND	ND
	Sep 02	25	ND	ND

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (µg/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene
MW-4	May 03	24	ND	ND
	Sep 03	100	ND	ND
	Jan 04	220	ND	ND
	May 05	25	ND	ND
	Dec 05	15	ND	ND
	Mar 06	NS	NS	NS
	Jun 06	27	ND	ND
	Oct 06	NS(1)	NS(1)	NS(1)
	Dec 06	NS(1)	NS(1)	NS(1)
	Jun 07	NS(1)	NS(1)	NS(1)
	Dec 07	NS(1)	NS(1)	NS(1)
MW-5	Oct 00	100	ND	NS(1)
	Sep 02	110	ND	ND
	May 03	240	ND	ND
	Sep 03	220	ND	ND
	Jan 04	370	ND	ND
	May 05	146	ND	ND
	Dec 05	93	ND	ND
	Mar 06	NS	NS	NS
	Jun 06	220	ND	ND
	Oct 06	67	ND	ND
	Dec 06	130	ND	ND
	Jun 07	550	ND	ND
	Dec 07	170	ND	ND
MW-6	Oct 00	2,200	13	8.1
	Sep 02	1,000	41	14
	May 03	710	22	ND
	Sep 03	1,300	ND	ND
	Jan 04	2,400	ND	ND
	May 05	2,090	13	11
	Sep 05	890	13	23
	Dec 05	530	41	21
	Mar 06	NS	NS	NS
	Jun 06	1,100	ND	ND
	Oct 06	1,300	ND	ND
	Dec 06	810	9.9	8.9
	Jun 07	1,300	ND	ND
	Dec 07	1,500	ND	ND
MW-7	Sep 02	ND	ND	ND
	May 03	1.7	ND	ND
	Sep 03	2.0	ND	ND
	Jan 04	11.0	ND	ND
	May 05	ND	ND	ND

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (µg/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene
MW-7	Sep 05	3.3	ND	ND
	Dec 05	1.2	ND	ND
	Mar 06	1.5	ND	ND
	Jun 06	2.2	ND	ND
	Oct 06	2.9	ND	ND
	Dec 06	2.1	ND	ND
	Jun 07	1.1	ND	ND
	Dec 07	1.3	ND	ND
MW-8	Sep 02	5.4	ND	ND
	May 03	3.2	ND	ND
	Sep 03	3.7	ND	ND
	Jan 04	4.7	ND	ND
	May 05	5.6	5.6	ND
	Dec 05	3.6	ND	ND
	Mar 06	NS	NS	NS
	Jun 06	2.6	ND	ND
	Oct 06	3.4	ND	ND
	Dec 06	4.3	ND	ND
	Jun 07	2.8	ND	ND
	Dec 07	2.8	ND	ND
MW-10	Sep 02	ND	ND	ND
	May 03	ND	ND	ND
	Sep 03	15.0	ND	ND
	Jan 04	ND	ND	ND
	May 05	ND	ND	ND
	Sep 05	ND	ND	ND
	Dec 05	ND	ND	ND
	Mar 06	ND	ND	ND
	Jun 06	ND	ND	ND
	Oct 06	ND	ND	ND
	Dec 06	1.0	ND	ND
	Jun 07	ND	ND	ND
	Dec 07	1.0	ND	ND
MW-11	Sep 02	ND	ND	ND
	May 03	ND	ND	ND
	Sep 03	NS(2)	NS(2)	NS(2)
	Nov 03	NS(2)	NS(2)	NS(2)
	Jan 04	NS(2)	NS(2)	NS(2)
	May 05	NS(2)	NS(2)	NS(2)
	Dec 05	NS(2)	NS(2)	NS(2)
	Mar 06	NS(2)	NS(2)	NS(2)
	Jun 06	NS(2)	NS(2)	NS(2)

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (µg/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene
MW-11	Oct 06	NS(2)	NS(2)	NS(2)
	Dec 06	NS(2)	NS(2)	NS(2)
	Jun 07	NS(2)	NS(2)	NS(2)
	Dec 07		ND	ND
MW-12	Sep 02	ND	ND	ND
	May 03	1.3	ND	ND
	Sep 03	14.0	ND	ND
	Jan 04	6.1	ND	ND
	May 05	ND	ND	ND
	Sep 05	1.1	ND	ND
	Dec 05	1.2	ND	ND
	Mar 06	1.1	ND	ND
	Jun 06	NS	NS	NS
	Oct 06	ND	ND	ND
	Dec 06	1.4	ND	ND
	Jun 07	ND	ND	ND
	Dec 07	ND	ND	ND
MW-13	May 03	2,100	ND	ND
	Sep 03	2,800	ND	ND
	Jan 04	2,700	ND	ND
	May 05	5,310	ND	ND
	Sep 05	2,600	ND	ND
	Dec 05	3,400	ND	ND
	Mar 06	3,700	ND	ND
	Jun 06	2,900	ND	ND
	Oct 06	2,800	ND	ND
	Dec 06	3,200	ND	ND
	Mar 07	2,500	ND	ND
	Jun 07	3,700	ND	ND
	Sep 07	2,000	ND	ND
	Dec 07	2,500	ND	ND
MW-14	Nov 03	1,900	ND	ND
	Jan 04	2,100	ND	ND
	May 05	2,920	5.5	ND
	Dec 05	3,400	ND	ND
	Mar 06	2,500	ND	ND
	Jun 06	1,800	ND	ND
	Oct 06	1,900	ND	ND
	Dec 06	3,500	ND	ND
	Mar 07	1,900	ND	ND
	Jun 07	1,700	ND	ND
	Sep 07	650	ND	ND
	Dec 07	1,500	ND	ND

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (µg/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene
MW-15	Nov 03	5.2	ND	ND
	Jan 04	2.7	ND	ND
	May 05	ND	ND	ND
	Sep 05	3.6	ND	ND
	Dec 05	5.0	ND	ND
	Mar 06	4.5	ND	ND
	Jun 06	4.4	ND	ND
	Oct 06	3.3	ND	ND
	Dec 06	3.7	ND	ND
	Jun 07	3.0	ND	ND
	Dec 07	3.0	ND	ND
MW-16	Nov 03	ND	ND	ND
	Jan 04	ND	ND	ND
	May 05	ND	ND	ND
	Sep 05	ND	ND	ND
	Dec 05	ND	ND	ND
	Mar 06	ND	ND	ND
	Jun 06	ND	ND	ND
	Oct 06	ND	ND	ND
	Dec 06	ND	ND	ND
	Jun 07	ND	ND	ND
	Dec 07	ND	ND	ND
MW-17	May 05	520	ND	ND
	Dec 05	470	ND	ND
	Mar 06	NS	NS	NS
	Jun 06	NS	NS	NS
	Oct 06	1,300	ND	ND
	Dec 06	710	ND	ND
	Mar 07	440	ND	ND
	Jun 07	300	ND	ND
	Sep 07	380	ND	ND
	Dec 07	480	ND	ND
MW-18	May 05	1,600	ND	ND
	Sep 05	1,700	ND	ND
	Dec 05	2,400	ND	ND
	Mar 06	1,700	ND	ND
	Jun 06	1,600	ND	ND
	Oct 06	2,100	ND	ND
	Dec 06	1,400	ND	ND
	Mar 07	1,400	ND	ND
	Jun 07	1,300	ND	ND
	Sep 07	930	ND	ND
	Dec 07	1,400	ND	ND
	Mar 08	1,800	ND	ND

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (µg/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene
MW-19	Nov 03	1,100	ND	ND
	Jan 04	1,200	ND	ND
	May 05	873	ND	ND
	Dec 05	1,300	ND	ND
	Mar 06	NS	NS	NS
	Jun 06	910	ND	ND
	Oct 06	840	ND	ND
	Dec 06	1,200	ND	ND
	Mar 07	890	ND	ND
	Jun 07	870	ND	ND
	Sep 07	510	ND	ND
	Dec 07	990	ND	ND
	Mar 08	1,200	ND	ND
MW-20	Nov 03	1,800	ND	ND
	Jan 04	290	2.8	ND
	May 05	1,460	ND	ND
	Dec 05	1,800	ND	ND
	Mar 06	NS	NS	NS
	Jun 06	2,100	ND	ND
	Oct 06	2,000	ND	ND
	Dec 06	2,500	ND	ND
	Mar 07	1,500	ND	ND
	Jun 07	1,300	ND	ND
	Sep 07	730	ND	ND
	Dec 07	1,400	ND	ND
	Mar 08	1,600	ND	ND
MW-21	Nov 03	51	ND	ND
	Jan 04	55	ND	ND
	May 05	30	ND	ND
	Sep 05	19	2.4	1.5
	Dec 05	16	1.8	1.3
	Mar 06	43	ND	ND
	Jun 06	32	ND	ND
	Oct 06	23	ND	ND
	Dec 06	39	ND	ND
	Jun 07	28	ND	ND
	Dec 07	83	ND	ND
MW-22	May 05	ND	ND	ND
	Sep 05	ND	ND	ND
	Dec 05	1.0	ND	ND
	Mar 06	ND	ND	ND
	Jun 06	ND	ND	ND
	Oct 06	ND	ND	ND
	Dec 06	ND	ND	ND

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (µg/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene
MW-22	Jun 07	ND	ND	ND
	Dec 07	ND	ND	ND
MW-23	May 05	1,430	ND	ND
	Dec 05	1,900	ND	ND
	Mar 06	NS	NS	NS
	Jun 06	1,500	ND	ND
	Oct 06	2,000	ND	ND
	Dec 06	2,100	ND	ND
	Mar 07	2,100	ND	ND
	Jun 07	1,300	ND	ND
	Sep 07	750	ND	ND
	Dec 07	1,200	ND	ND
	Mar 08	1,400	ND	ND
MW-24	May 05	ND	ND	ND
	Sep 05	4.3	ND	ND
	Dec 05	6.7	ND	ND
	Mar 06	6.5	ND	ND
	Jun 06	5.6	ND	ND
	Oct 06	2.6	ND	ND
	Dec 06	2.6	ND	ND
	Jun 07	1.0	ND	ND
	Dec 07	ND	ND	ND
MW-25	May 05	993	ND	ND
	Sep 05	920	ND	ND
	Dec 05	1,000	ND	ND
	Mar 06	970	ND	ND
	Jun 06	960	ND	ND
	Oct 06	1,300	ND	ND
	Dec 06	1,200	ND	ND
	Mar 07	670	ND	ND
	Jun 07	960	ND	ND
	Sep 07	560	ND	ND
	Dec 07	780	ND	ND
	Mar 08	890	ND	ND
MW-26	Mar 06	730	ND	ND
	Jun 06	770	ND	ND
	Oct 06	1,100	ND	ND
	Dec 06	NS	NS	NS
	Mar 07	790	ND	ND
	Jun 07	960	ND	ND
	Sep 07	620	ND	ND
	Dec 07	910	ND	ND
	Mar 08	1,100	ND	ND
MW-27	Mar 06	220	ND	ND

TABLE 3
SELECTED VOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (µg/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene
MW-27	Jun 06	350	ND	ND
	Oct 06	380	ND	ND
	Dec 06	380	ND	ND
	Mar 07	160	ND	ND
	Jun 07	340	ND	ND
	Sep 07	320	ND	ND
	Dec 07	430	ND	ND
	Mar 08	580	ND	ND
MW-28	Nov 07	3.0	ND	ND
MW-29	Nov 07	2.5	ND	ND
MW-30	Nov 07	74	ND	ND
	Mar 08	86	ND	ND
MW-31	Mar 08	49	ND	ND
MW-32	Mar 08	720	ND	ND
MW-33	Mar 08	2.4	ND	ND
INTERMEDIATE WELL				
MW-9	Sep 02	670	ND	ND
	May 03	59	ND	ND
	Sep 03	9.2	ND	ND
	Jan 04	10	ND	ND
	May 05	353	ND	ND
	Sep 05	64	ND	ND
	Dec 05	190	ND	ND
	Mar 06	ND	ND	ND
	Jun 06	NS	NS	NS
	Oct 06	160	ND	ND
	Dec 06	45	ND	ND
	Jun 07	170	ND	ND
	Dec 07	110	ND	ND

NOTES: ND = Not Detected above the laboratory reporting limit NS = Not Sampled
(1) = Monitoring Well MW-4 was not sampled due to blockage in well casing.
(2) = Monitoring Well MW-11 was not sampled due to detection of floating hydrocarbons in the well.
µg/L = micrograms per liter.
PCE is perchloroethylene (tetrachloroethene). The Maximum Contaminant Level for PCE in drinking water is 5 ug/L.

TABLE 4
SUMMARY OF OTHER ANALYTICAL DATA
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in mg/L)						
		Total Iron	Dissolved Manganese	Chloride	Nitrate as N	Sulfate	Total Alkalinity	Total Organic Carbon
SHALLOW WELLS								
MW-1	May 05	ND	ND	180	8.9	1,613	ND	5.1
	Sep 05	3.7	0.057	180	8.8	1,800	230	6.0
	Dec 05	5.0	0.027	200	8.1	1,800	190	1.7
	Mar 06	24.0	0.23	170	8.4	1,600	250	3.8
	Jun 06	NS	NS	NS	NS	NS	NS	NS
	Oct 06	5.1	0.044	210	8.4	1,900	220	2.8
	Dec 06	20.0	0.24	NA	7.3	NA	NA	2.4
	Jun 07	16.0	0.14	180	7.3	1,700	210	2.3
	Dec 07	2.5	<0.0050	220	8.0	2,000	210	3.0
MW-6	May 05	ND	0.04	200	10.5	1,615	ND	6.0
MW-12	May 05	ND	ND	270	23.9	1,618	16	4.8
MW-13	May 05	ND	ND	170	6.9	1,562	ND	1.7
	Sep 05	19.0	0.69	170	6.1	1,700	260	3.6
	Dec 05	7.0	0.11	190	5.9	1,600	220	1.6
	Mar 06	7.7	0.2	240	7.0	1,500	220	1.7
	Jun 06	15.0	0.49	190	7.9	1,600	230	1.7
	Oct 06	20.0	0.48	190	6.2	1,700	220	2.7
	Dec 06	12.0	0.33	200	6.1	1,700	210	2.1
	Mar 07	9.7	0.27	220	5.9	1,500	210	1.7
	Jun 07	19.0	0.56	180	6.1	1,600	220	1.4
	Sep 07	1.6	ND	210	6.2	1,700	220	1.3
	Dec 07	2.9	0.065	200	7.2	1,800	220	1.8
MW-18	Sep 05	0.9	0.02	160	5.4	1,800	240	3.3
	Dec 05	3.7	0.015	180	4.7	1,600	200	1.4
	Mar 06	2.6	0.012	150	5.4	1,500	220	1.4
	Jun 06	1.9	ND	200	5.8	1,900	220	1.4
	Oct 06	2.1	0.011	180	5.2	1,900	210	1.7
	Dec 06	2.8	0.019	180	5.0	1,600	210	1.6
	Mar 07	38.0	0.48	160	4.7	1,500	220	1.5
	Jun 07	1.8	ND	150	5.1	1,600	210	1.2
	Sep 07	2.0	ND	190	5.8	1,700	210	1.2
	Dec 07	2.1	<0.0050	190	6.5	1,800	220	1.5

TABLE 4
SUMMARY OF OTHER ANALYTICAL DATA
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in mg/L)						
		Total Iron	Dissolved Manganese	Chloride	Nitrate as N	Sulfate	Total Alkalinity	Total Organic Carbon
MW-19	May 05	ND	ND	170	5.9	1,599	19	2.7
MW-23	May 05	ND	ND	200	7.5	1,596	ND	1.8
MW-25	May 05	ND	ND	180	5.9	1,616	ND	1.7
	Sep 05	1.2	0.02	170	4.5	1,900	300	4.4
	Dec 05	3.0	ND	190	4.5	1,900	230	1.3
	Mar 06	3.4	0.018	160	5.2	1,600	240	2.0
	Jun 06	2.1	0.0061	220	5.7	1,900	230	1.9
	Oct 06	3.2	0.02	200	5.2	1,900	280	2.0
	Dec 06	2.6	0.0074	200	4.8	2,000	260	1.7
	Mar 07	6.0	0.059	190	4.5	1,700	240	1.7
	Jun 07	1.8	0.0053	170	4.7	1,800	240	1.4
	Sep 07	1.6	0.0096	210	5.1	1,800	240	1.2
	Dec 07	1.6	<0.0050	200	5.0	2,000	240	1.7
MW-28	Nov 07	1.9	0.021	250	5.9	2,000	250	1.2
MW-29	Nov 07	1.2	<.0050	250	6.1	1,900	260	24.0
MW-30	Nov 07	1.9	0.046	320	6.7	3,700	270	1.6
Average		7.0	0.1482	195	6.6	1,770	220	2.7
INTERMEDIATE WELL								
MW-9	May 05	ND	ND	110	5.2	1,094	ND	2.1

NOTES: ND = Non-Detect. NA = Not Analyzed.
mg/L is milligrams per liter.
The shallow wells are approximately 25 ft. deep; The intermediate well is 30-40 ft. deep.

FIGURES

Source: Clark County Assessors Web Site
Scale: 200 feet

N

SITE LOCATION MAP

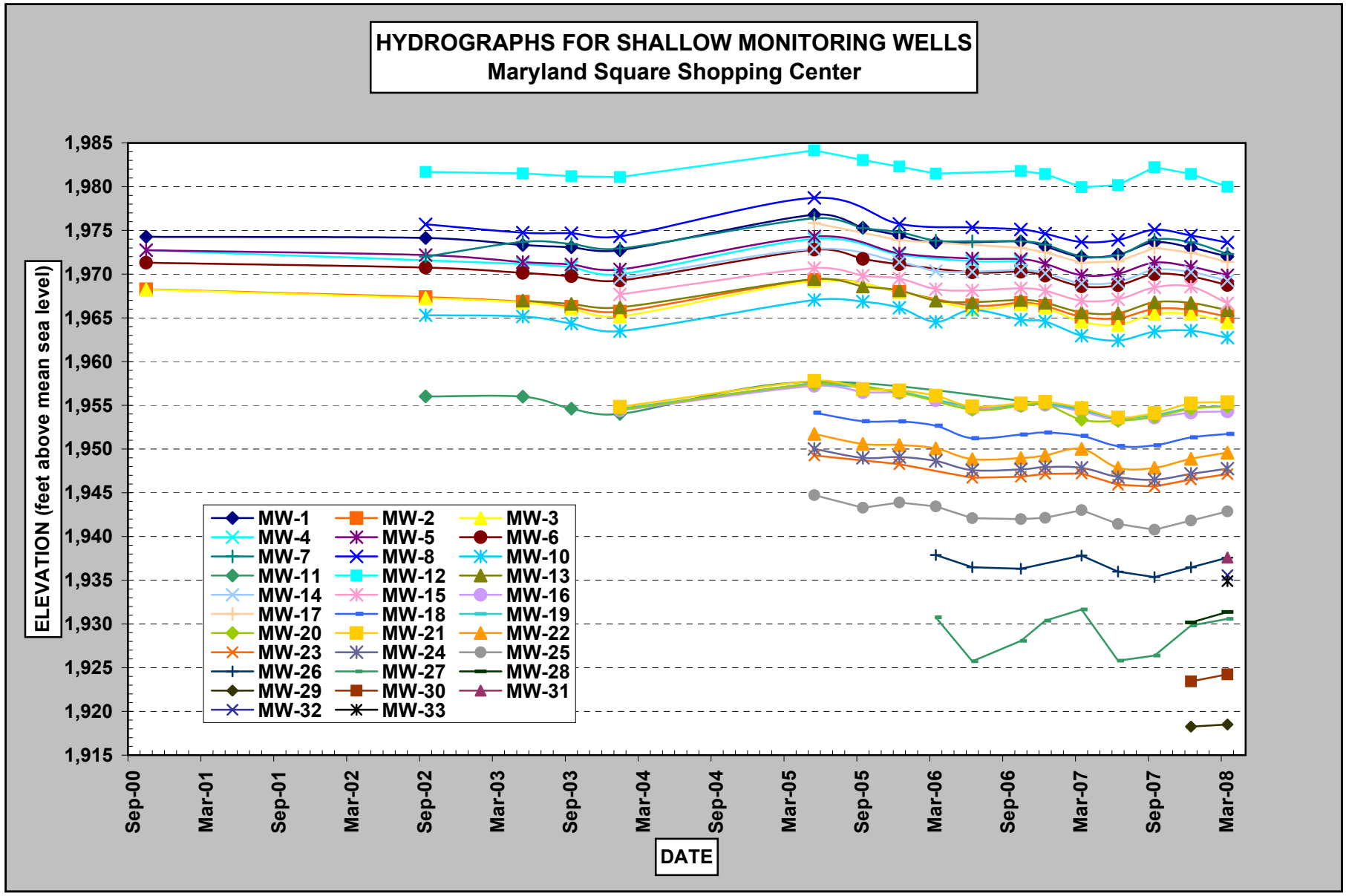
Al Phillips The Cleaner
Quarterly Groundwater Sampling
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

URS

1st Quarter 2008
Job No. 26698778

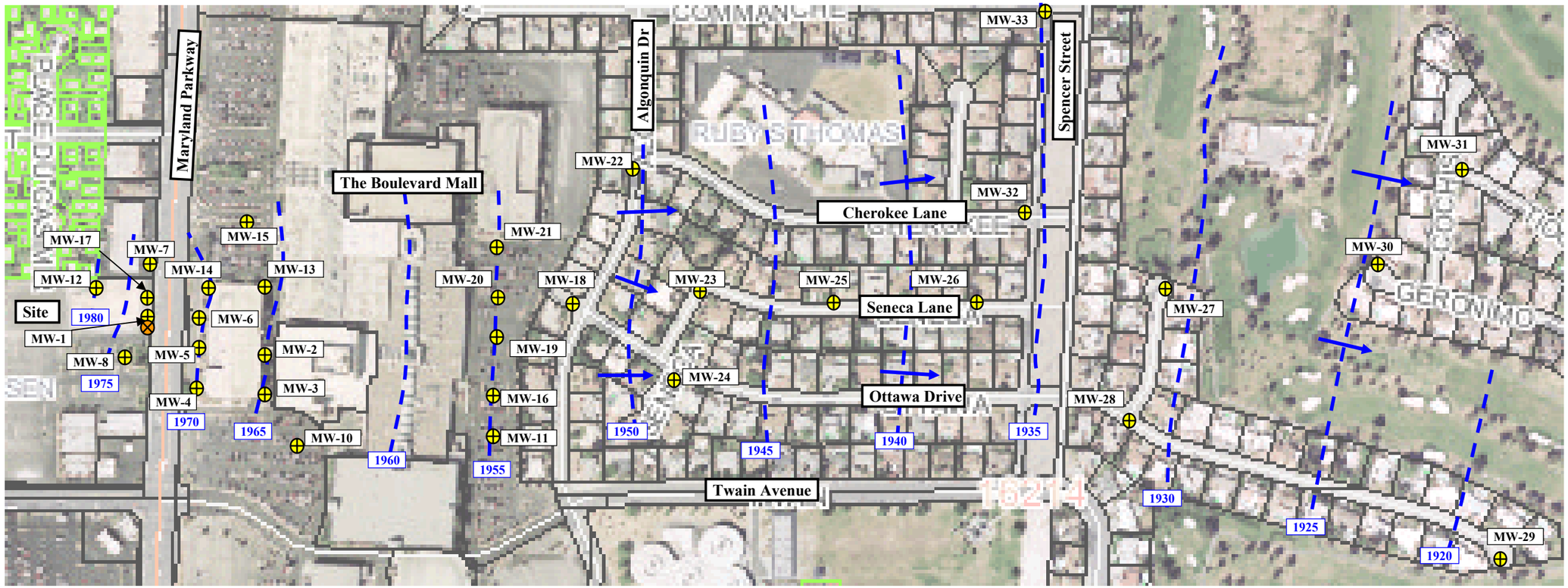
MS 1st Qtr 08 Fig 1.ppt FIGURE 1

Figure 2



URS Corporation
Job Number 26698778

Former Al Phillips the Cleaner Facility
Maryland Square Shopping Center
3661 S. Maryland Parkway
Las Vegas, Nevada



Groundwater Elevations In Monitoring Wells (1st Quarter 2008)

Well	Elevation	Well	Elevation	Well	Elevation	Well	Elevation	Well	Elevation	Well	Elevation
MW-1	1972.01	MW-6	1968.75	MW-12	1979.99	MW-17	1971.41	MW-22	1949.59	MW-28	1931.36
MW-2	1965.15	MW-7	1972.32	MW-13	1965.89	MW-18	1951.72	MW-23	1947.14	MW-29	1918.50
MW-3	1964.49	MW-8	1973.62	MW-14	1969.26	MW-19	1954.91	MW-24	1947.76	MW-30	1924.24
MW-4	NM	MW-10	1962.74	MW-15	1966.66	MW-20	1954.87	MW-25	1942.87	MW-31	1922.70
MW-5	1969.87	MW-11	NM	MW-16	1954.30	MW-21	1955.37	MW-26	1937.57	MW-32	1935.57
								MW-27	1930.58	MW-33	1934.90

Elevations are feet above means sea level.

Source: Clark County Assessors Web Site
Scale: 0 Feet ——— 200 Feet

Legend:

- Approximate Location of Shallow Monitoring Wells.
- Approximate Location of Intermediate Monitoring Well.
- Groundwater Elevation Contour Line.
- Approximate Direction of Groundwater Flow.

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GROUNDWATER ELEVATION CONTOURS FOR SHALLOW WELLS

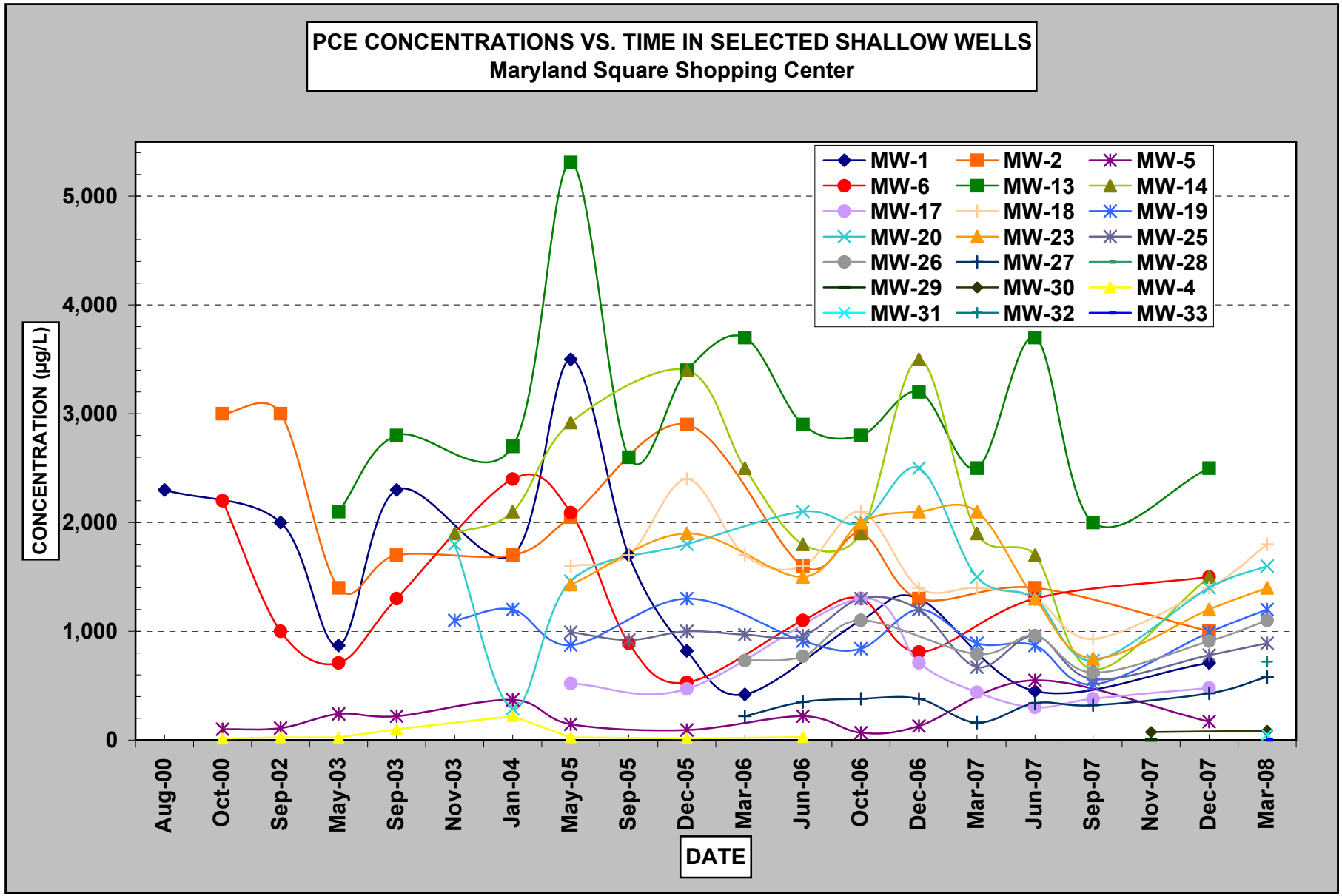
Al Phillips The Cleaner
Quarterly Groundwater Sampling
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

1st Quarter 2008
Job No. 26698778

MS 1st Qtr 08 Fig 3.ppt

FIGURE 3

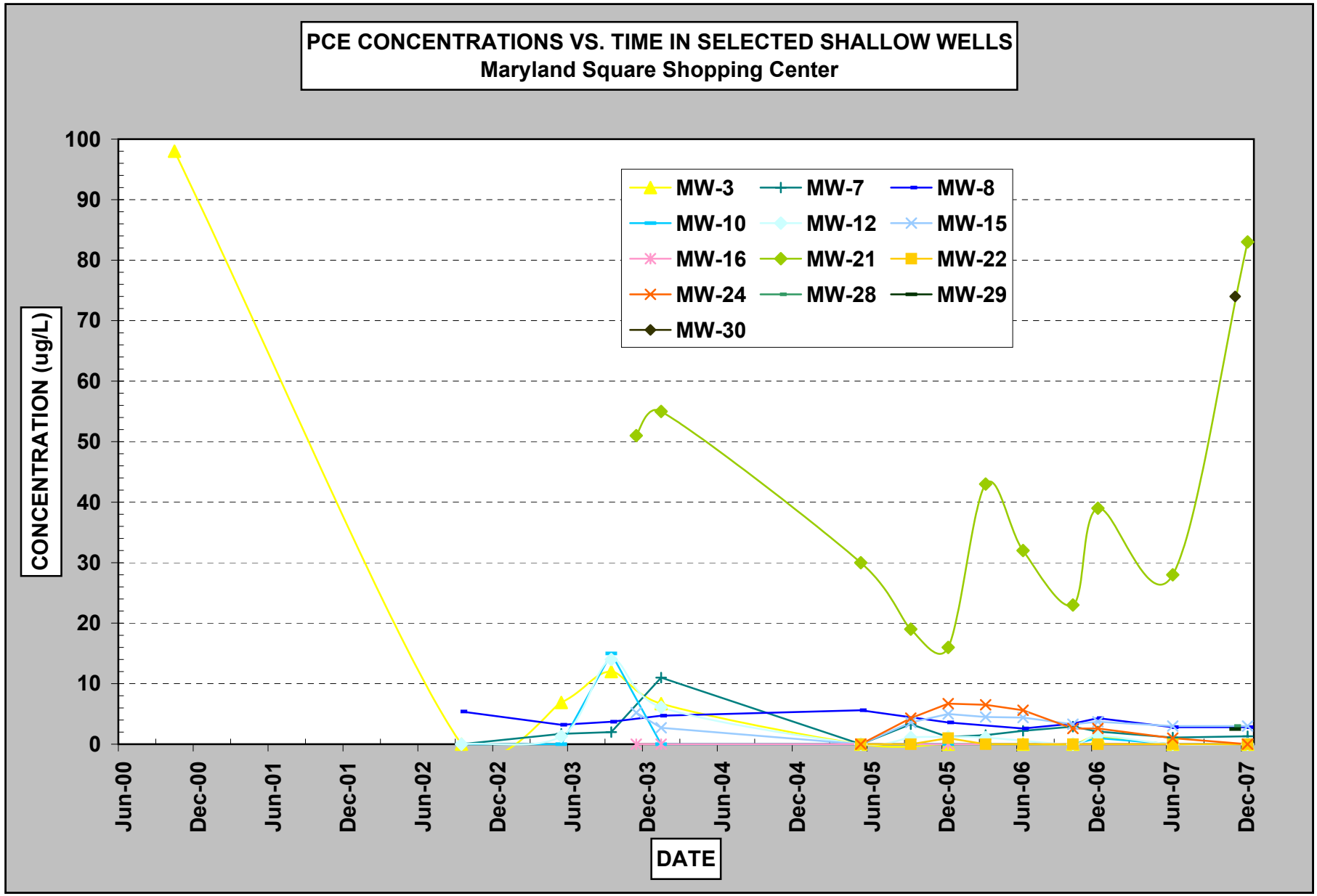
Figure 4A



URS Corporation
Job Number 26698778

Former Al Phillips the Cleaner Facility
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

Figure 4B



URS Corporation
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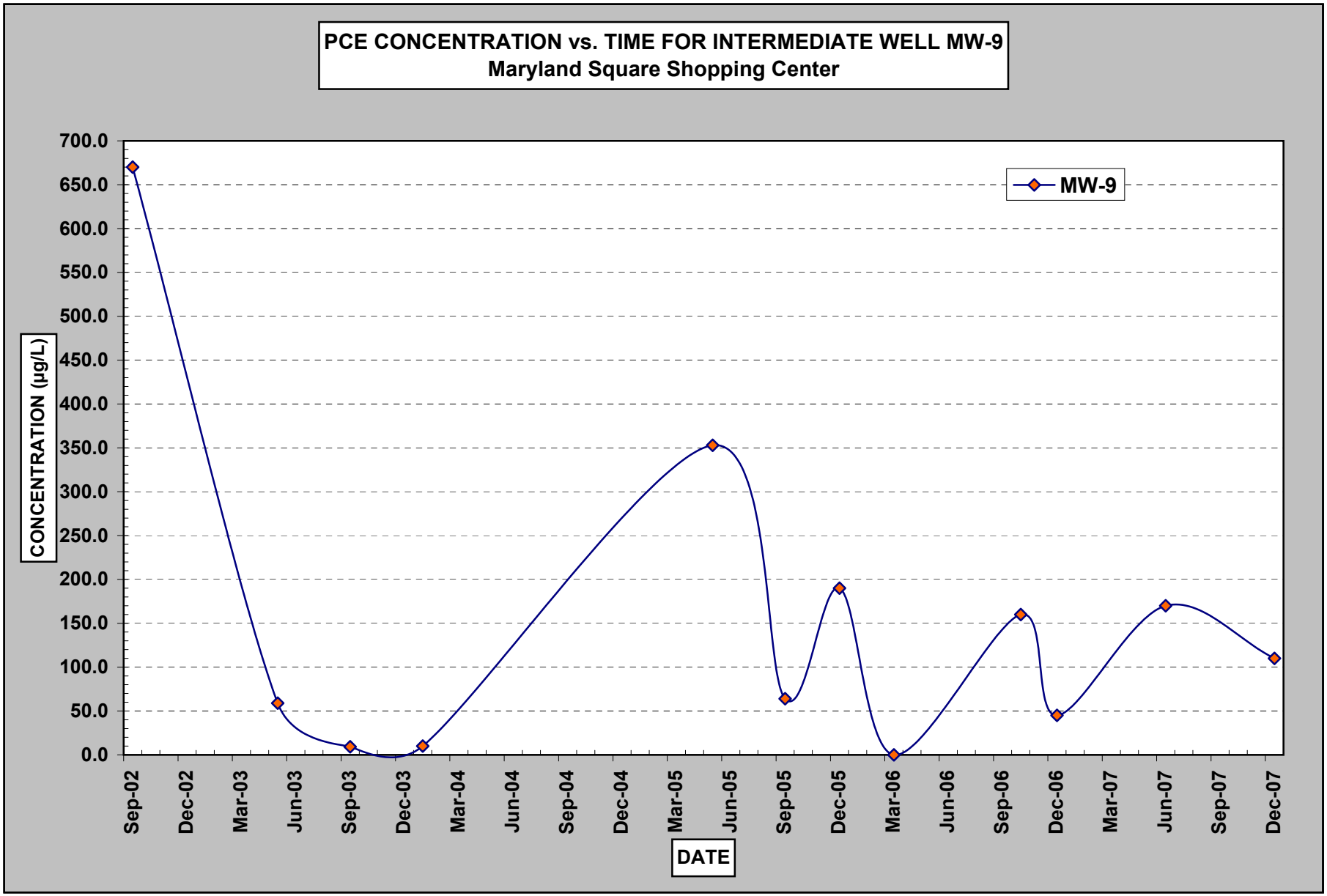
Former Al Phillips the Cleaner Facility
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

Figure 4C



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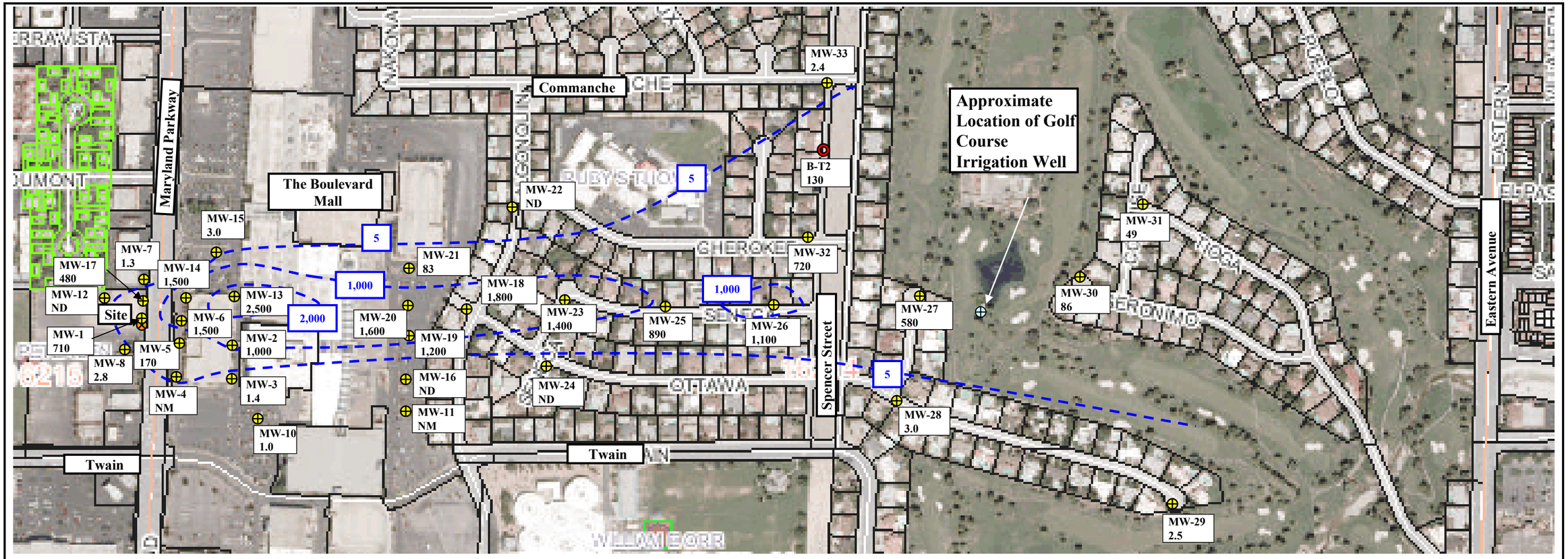
Former Al Phillips the Cleaner Facility
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada



Concentrations of PCE in Monitoring Wells (4th Quarter 2007)

Well	Concentration	Well	Concentration	Well	Concentration	Well	Concentration
MW-1	710	MW-7	1.3	MW-14	1,500	MW-24	ND
MW-2	1,000	MW-8	2.8	MW-15	3.0	MW-28	3.0
MW-3	1.4	MW-10	1.0	MW-16	ND	MW-29	2.5
MW-4	NM	MW-11	NM	MW-17	480		
MW-5	170	MW-12	ND	MW-21	83	Intermediate Well	
MW-6	1,500	MW-13	2,500	MW-22	ND	MW-9	110

Concentrations of PCE in Monitoring Wells (1st Quarter 2008)

Well	Concentration	Well	Concentration
MW-18	1,400	MW-27	430
MW-19	990	MW-30	74
MW-20	1,400	MW-31	49
MW-25	780	MW-32	720
MW-23	1,200	MW-33	2.4
MW-26	910	B-T2	130

Concentrations are in micrograms per liter (ug/L). Federal MCL for PCE in drinking water is 5 ug/L. NS = Not Sampled. ND = Non-Detect.

Source: Clark County Assessors Web Site
Scale: 0 Feet — 200 Feet

Legend:

- Approximate Location of Shallow Monitoring Well
- Approximate Location of Borehole
- Approximate Location of Intermediate Monitoring Well.
- Approximate Concentration Contour of PCE in Groundwater.

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SHALLOW MONITORING WELL PCE CONCENTRATIONS AND CONTOURS

Al Phillips The Cleaner
Quarterly Groundwater Sampling
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

1st Quarter 2008
Job No. 26698778

MS 1st Qtr 08 Fig 5.ppt

FIGURE 5

APPENDIX A
Groundwater Sample Collection Logs

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GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 33
Screen Depth: ~~13 - 33 ft~~ 13.5 - 33.5 feet BTOC
Date & Time Collected: 3/17/08 @ 1411
BOTTOM: 33.5ft BTOC

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 16.02 (feet) BTOC
Stabilized Pump Rate 0.420 (Liters/minute)
Stabilized Depth to Water (Pumping) 16.02 (feet) BTOC
Pump Placement 23.5 (feet) BTOC

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
1305	0.420	0	16.03	6.77	0.349	7.5	8.52	21.0	2.2	179
1310	↓	2.1	16.05	6.95	0.368	3.6	2.94	20.7	2.4	159
1315	↓	4.2	16.05	6.98	0.506	9.2	2.04	21.1	3.4	153
1320	↓	6.3	16.05	7.00	0.776	17.4	1.88	20.8	4.6	148
1325	↓	8.4	16.05	7.01	2.21	19.3	1.71	20.9	15.0	145
1330	0.250	9.7	16.04	6.99	>9.99	18.5	0.89	20.7	>99	143
Stopped purging. Cleaned sensors & re-calibrated Horiba Water Quality Monitor.										—
1348	0.180	9.7	16.01	6.74	0.344	20.9	8.72	19.3	2.2	201
1353	↓	10.6	16.02	6.89	0.389	44.2	8.51	19.7	2.5	187
1358	↓	11.5	16.02	6.96	0.348	83.4	8.18	20.0	2.2	175
1403	↓	12.4	16.02	6.98	0.349	85.2	7.92	20.2	2.2	168
1408	↓	13.3	16.02	6.99	0.349	82.4	7.55	20.3	2.2	161

Color/composition of water at purging start: Clear At end of purging: Clear
Total Volume Purged: 13.3 Liters Total PurgeTime: 45 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA		HCl	VOCs (8260B)

Comments:

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3
BTOC - Below TOP OF WELL CASING

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 32
Screen Depth: ~~13 - 33 ft~~ 13.5 - 33.5
Date & Time Collected: 3/17/08 @ 1510

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 17.25 (feet) Stabilized Depth to Water (Pumping) 17.31 (feet)
Stabilized Pump Rate 0.360 (Liters/minute) Pump Placement 23.5 (feet)

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
1443	0.360	0	17.40	9.22	0.320	14.5	6.10	21.4	2.2	114
1448		1.8	17.31	7.50	0.427	11.6	2.96	23.1	2.8	144
1453		3.6	17.31	7.43	0.455	7.4	2.53	23.1	2.9	142
1458		5.4	17.30	7.41	0.365	6.1	2.44	23.3	2.3	139
1503		7.2	17.31	7.41	0.361	6.1	2.44	23.3	2.3	138
1508		9.0	17.31	7.41	0.364	5.4	2.44	23.3	2.3	136

Color/composition of water at purging start: Clear At end of purging: Clear
Total Volume Purged: 9.0 Liters Total PurgeTime: 25 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA		HCl	VOCs (8260B)

Comments:

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 31
Screen Depth: ~~13 - 33 ft~~ 13.5 - 33.5
Date & Time Collected: 3/17/08 @ 1612

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 15.23 (feet) Stabilized Depth to Water (Pumping) 15.26 (feet)
Stabilized Pump Rate 0.300 (Liters/minute) Pump Placement 23.5 (feet)

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
1542	0.300	0	15.27	7.28	0.397	43.5	7.16	21.1	2.5	161
1547		1.5	15.27	7.01	0.530	142.0	7.91	21.9	3.3	159
1552		3.0	15.27	6.98	0.549	141.0	7.22	22.3	3.4	156
1557		4.5	15.27	6.97	0.490	119.0	6.87	22.3	3.1	154
1602		6.0	15.26	6.97	0.471	113.0	6.53	22.6	3.0	152
1607		7.5	15.26	6.97	0.464	119.0	6.12	22.5	3.0	152
1609		8.1	15.26	6.97	0.465	125.0	6.02	22.5	2.9	152
~~1617~~										

Color/composition of water at purging start: Clear At end of purging: sl. Cloudy
Total Volume Purged: 8.1 Liters Total PurgeTime: 27 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA		HCl	VOCs (8260B)

Comments:

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 30
Screen Depth: 20 - 40 ft
Date & Time Collected: 3/18/08 @ 0914

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 16.32 (feet) Stabilized Depth to Water (Pumping) 16.38 (feet)
Stabilized Pump Rate 0.400 (Liters/minute) Pump Placement 30 (feet)

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
0851	0.400	0	16.41	6.17	0.304	19.1	8.39	16.9	2.0	238
0856	↓	2.0	16.38	6.76	0.326	7.3	3.85	18.2	2.1	224
0901		4.0	16.38	6.87	0.328	6.7	3.72	18.6	2.1	214
0906		6.0	16.38	6.92	0.329	7.1	3.68	18.8	2.1	208
0911		8.0	16.38	6.94	0.330	7.2	3.69	18.8	2.1	204

Color/composition of water at purging start: Clear At end of purging: Clear
Total Volume Purged: 8.0 Liters Total PurgeTime: 20 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA		HCl	VOCs (8260B)

Comments:

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 27
Screen Depth: 10 - 35 ft
Date & Time Collected: 3/18/08 @ 1030

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 13.65 (feet) BTOC Stabilized Depth to Water (Pumping) _____ (feet)
Stabilized Pump Rate 0.360 (Liters/minute) Pump Placement 25 (feet)

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
1003	0.180	0	13.77	7.12	0.282	5.4	6.57	20.2	1.8	183
1008	0.360	0.9	13.69	7.01	0.311	5.7	2.58	21.9	2.0	183
1013	↓	2.7	13.72	7.02	0.321	1.3	2.53	22.2	2.1	180
1018	↓	4.5	13.71	7.02	0.328	1.4	2.44	22.4	2.1	178
1023	↓	6.3	13.71	7.02	0.334	1.6	2.44	22.7	2.1	176
1028	↓	8.1	13.71	7.02	0.340	1.4	2.45	22.6	2.2	174

Color/composition of water at purging start: Clear At end of purging: Clear
Total Volume Purged: 8.1 Liters Total PurgeTime: 25 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA		HCl	VOCs (8260B)

Comments: _____

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 26
Screen Depth: 10 - 35 ft
Date & Time Collected: 3/18/08 @ 1220

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 15.91 (feet) Stabilized Depth to Water (Pumping) 15.97 (feet)
Stabilized Pump Rate 0.320 (Liters/minute) Pump Placement 25 (feet)

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
1147	0.150	0	15.94	7.17	0.351	4.4	7.69	23.5	2.2	172
1154	0.170	1.05	15.93	6.99	0.372	1.9	4.52	23.6	2.4	178
1158	0.320	1.7	15.94	6.99	0.432	1.2	4.29	23.9	2.7	178
1203	0.320	3.3	15.96	6.98	0.656	1.0	4.03	23.9	4.1	177
1208*	↓	4.9	15.96	7.02	0.373	1.1	8.40	23.8	2.4	182
1213		6.5	15.97	6.97	0.383	0.7	8.14	24.2	2.5	178
1218		8.1	15.97	6.97	0.381	0.7	7.88	24.3	2.4	176

Color/composition of water at purging start: clear At end of purging: Clear
Total Volume Purged: 8.1 Liters Total PurgeTime: 31 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA		HCl	VOCs (8260B)

Comments: * Cleaned Horiba Water Monitoring sensors

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 25
Screen Depth: 5 - 25 ft
Date & Time Collected: 3/18/08 @ 1320

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 17.87 (feet)
Stabilized Depth to Water (Pumping) 17.91 (feet)
Stabilized Pump Rate 0.400 (Liters/minute)
Pump Placement ~~26~~ 22 (feet) LR

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
1252	0.360	0	17.90	7.40	0.342	4.7	6.37	22.6	2.2	228
1257		1.8	17.90	7.03	0.350	49.0	2.73	23.7	2.3	213
1302		3.6	17.90	6.97	0.442	657.0	2.55	23.9	2.9	200
1307		5.4	17.90	6.96	0.512	572.0	2.47	24.2	3.2	190
1312		7.2	17.90	6.95	0.488	101.0	2.51	24.3	3.1	182
1317		9.0	17.90	6.95	0.348	159.0	2.51	24.2	4.0	179
* stopped pumping 1327	0.400	9.0	17.91	7.16	0.361	15.9	5.58	24.1	2.3	184
1332		11.0	17.91	6.95	0.367	12.8	2.72	24.3	2.4	177
1337		13.0	17.91	6.94	0.366	13.5	2.58	24.5	2.3	174
1342		15.0	17.91	6.94	0.366	12.9	2.52	24.5	2.3	171
1347		17.0	17.91	6.94	0.365	11.9	2.52	24.4	2.3	170

Color/composition of water at purging start: clear At end of purging: ~~clear~~ cloudy
Total Volume Purged: ~~9.0~~ 17 Liters Total PurgeTime: ~~25~~ 40 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA	N	HCl	VOCs (8260B)
~~1 x 250ml Clear Plastic~~	~~N~~	~~HNO_3~~	~~Iron and Manganese (6020)~~
~~1 x 500ml Clear Plastic~~	~~N~~	~~none~~	~~Cl^-, NO_3^-, SO_4^{2-} (300)/Alkalinity (310)~~
~~1 x 250ml Amber Glass~~	~~N~~	~~H_2PO_4~~	~~TOC (415.1)~~

LR

Comments: * pump had slipped to bottom of well. Removed pump. Deconed equipment, + set pump at 22ft BTOC.

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 19
Screen Depth: 19 - 35 ft
Date & Time Collected: 3/18/08 @ 1504

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 25.35 (feet) Stabilized Depth to Water (Pumping) 25.46 (feet)
Stabilized Pump Rate 0.340 (Liters/minute) Pump Placement 28 (feet)

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
~~0~~1432	0.180	0	25.50	7.54	0.330	385.0	6.69	23.6	2.1	227
1437	0.340	0.9	25.45	7.13	0.340	201.0	5.29	24.2	2.2	213
1442	↓	2.6	25.45	7.08	0.342	159.0	5.23	24.6	2.2	206
1447		4.3	25.45	7.04	0.345	75.5	5.19	24.8	2.2	199
1452		6.0	25.46	7.05	0.348	15.4	5.18	24.9	2.2	195
1457		7.7	25.46	7.04	0.352	7.3	5.19	24.7	2.3	192
1502		9.4	25.46	7.04	0.368	7.6	5.19	24.8	2.3	190

Color/composition of water at purging start: cloudy At end of purging: clear
Total Volume Purged: 9.4 Liters Total PurgeTime: 30 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA	N	HCl	VOCs (8260B)

Comments:

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 23
Screen Depth: 5 - 25 ft
Date & Time Collected: 3/18/08 @ 1605

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 15.18 (feet) Stabilized Depth to Water (Pumping) 15.22 (feet)
Stabilized Pump Rate 0.320 (Liters/minute) Pump Placement 20 (feet)

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
1533	0.320	0	15.22	7.25	0.332	5.5	3.43	23.4	2.1	225
1538		1.6	15.22	7.03	0.427	4.2	2.73	23.6	2.7	215
1543		3.2	15.22	7.01	0.457	2.8	2.34	23.8	3.0	204
* 1548		4.8	15.22	7.00	0.518	2.3	2.27	23.9	3.4	199
1553		6.4	15.22	7.00	0.449	0.4	2.25	24.0	2.8	194
1558		8.0	15.22	7.00	0.527	0.3	2.21	24.0	3.3	191
1603		9.6	15.22	6.99	0.632	0.4	2.21	24.0	4.1	188

Color/composition of water at purging start: Clear At end of purging: Clear
Total Volume Purged: 9.6 Liters Total PurgeTime: 30 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA	N	HCl	VOCs (8260B)

Comments: * Cleaned water quality monitor sensors

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 18
Screen Depth: 5 - 25 ft
Date & Time Collected: 3/19/08 @ 0849

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 11.15 (feet) Stabilized Depth to Water (Pumping) 11.18 (feet)
Stabilized Pump Rate 0.340 (Liters/minute) Pump Placement 16 (feet)

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
0821	0.340	0	11.22	6.41	0.309	9.4	8.31	19.1	1.9	245
0826	↓	1.7	11.18	6.80	0.336	1.5	4.35	20.6	2.2	231
0831	↓	3.4	11.18	6.89	0.338	1.1	4.31	20.9	2.2	222
0836	↓	5.1	11.18	6.92	0.342	0.6	4.29	21.1	2.2	217
0841	↓	6.8	11.18	6.94	0.343	0.2	4.33	21.2	2.2	213
0846	↓	8.5	11.18	6.94	0.345	0.2	4.30	21.2	2.2	212

Color/composition of water at purging start: clear At end of purging: Clear
Total Volume Purged: 8.5 Liters Total PurgeTime: 25 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA	N	HCl	VOCs (8260B)
~~1 x 250ml Clear Plastic~~	~~N~~	~~HNO_3~~	~~Iron and Manganese (6020)~~
~~1 x 500ml Clear Plastic~~	~~N~~	~~none~~	~~Cl^-, NO_3^-, SO_4^{2-} (300)/Alkalinity (310)~~
~~1 x 250ml Amber Glass~~	~~N~~	~~H_3PO_4~~	~~TOC (415.1)~~

Comments:

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

URS

GROUNDWATER SAMPLE COLLECTION LOG

Project Name: AL PHILLIPS - MARYLAND SQUARE
Job Number: 26698724
Sample Collected By: Lisa Lowe

Sample Number: MW - 20
Screen Depth: 19 - 35 ft
Date & Time Collected: 3/19/08@0940

I. EQUIPMENT

Purging Method/Equipment: LF
Sampling Equipment: LF

II. PURGING INFORMATION

Depth to Water (Static) 25.12 (feet) Stabilized Depth to Water (Pumping) 25.15 (feet)
Stabilized Pump Rate 0.360 (Liters/minute) Pump Placement 30 (feet)

Time (min)	Pumping Rates (L/min)	Volume (L)	Water Level (ft)	pH (s.u)	Conductance (mS/cm)	Turbidity (ntu)	DO (mg/L)	T (°C)	TDS (g/L)	ORP (mV)
0913	0.360	0	25.17	7.36	0.300	243.0	6.79	21.2	2.0	218
0918	↓	1.8	25.16	6.94	0.346	324.0	3.97	22.7	2.2	199
0923	↓	3.6	25.15	6.93	0.349	162.0	4.00	23.2	2.2	191
0928	↓	5.4	25.15	6.92	0.352	88.5	4.12	23.4	2.3	188
0933	↓	7.2	25.15	6.91	0.351	65.1	4.29	23.5	2.2	185
0938	↓	9.0	25.15	6.92	0.352	33.0	3.99	23.6	2.3	184

Color/composition of water at purging start: sl. cloudy At end of purging: clear
Total Volume Purged: 9.0 Liters Total PurgeTime: 25 minutes Purged Dry (Y/N) N

III. SAMPLE PACKAGING

Container Type & Volume	Filter (Y/N)	Preservatives	Parameters
3 x 40ml VOA	N	HCl	VOCs (8260B)

Comments:

Notes: LF = Low flow purging method /sampling equipment. T = Tsunami pump. G = Grundfos pump. DB = Dedicated bailer sampling equiment.
3W = 3 well volume purging method. 3 well volume purging method = length of static water column * well casing volume (gal/ft: 2" = 0.16, 4" = 0.65) * 3

APPENDIX B
Laboratory Reports and Chain-of-Custody Forms

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

CLIENT NAME: URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
PROJECT MGR: Lisa Lowe

CLIENT PROJECT NAME: **Al Phillips-Maryland Square**
CLIENT PROJECT NUMBER: 26698724.00005

VERITAS ORDER ID: V0803005
DATE RECEIVED AT LAB: 03/04/08

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

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

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

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

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

03/04/08

Bruce G. Cunningham
Veritas Laboratories
Nevada Lab ID NV00918

Date

Veritas Laboratories
Truth in Quality, Truth in Service

CLIENT NAME: URS Corporation
CLIENT PROJECT NAME: **Al Phillips-Maryland Square**
CLIENT PROJECT NUMBER: 26698724.00005

CLIENT SAMPLE ID: **B-T2**
DATE SAMPLED: 03/04/08
VERITAS SAMPLE ID: V0803005-01

METHOD: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 03/04/08

PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF	PARAMETER	RESULT µg/L	RL (PQL) µg/L	DF
Benzene	ND	25	5	Ethylbenzene	ND	25	5
Bromobenzene	ND	25	5	Hexachlorobutadiene	ND	25	5
Bromodichloromethane	ND	25	5	Isopropylbenzene	ND	25	5
Bromoform	ND	25	5	4-Isopropyltoluene	ND	25	5
Bromomethane	ND	25	5	Methylene chloride (DCM)	ND	25	5
n-Butylbenzene	ND	25	5	Naphthalene	ND	25	5
sec-Butylbenzene	ND	25	5	n-Propylbenzene	ND	25	5
tert-Butylbenzene	ND	25	5	Styrene	ND	25	5
Carbon tetrachloride	ND	25	5	1,1,1,2-Tetrachloroethane	ND	25	5
Chlorobenzene	ND	25	5	1,1,2,2-Tetrachloroethane	ND	25	5
Chloroethane	ND	25	5	**Tetrachloroethene (PCE)**	**130**	**25**	**5**
Chloroform	ND	25	5	Toluene	ND	25	5
Chloromethane	ND	25	5	1,2,3-Trichlorobenzene	ND	25	5
2-Chlorotoluene	ND	25	5	1,2,4-Trichlorobenzene	ND	25	5
4-Chlorotoluene	ND	25	5	1,1,1-Trichloroethane (1,1,1-TCA)	ND	25	5
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	5	1,1,2-Trichloroethane (1,1,2-TCA)	ND	25	5
Dibromochloromethane	ND	25	5	Trichloroethene (TCE)	ND	25	5
1,2-Dibromoethane (EDB)	ND	25	5	Trichlorofluoromethane (Freon11)	ND	25	5
Dibromomethane	ND	25	5	1,2,3-Trichloropropane	ND	25	5
1,2-Dichlorobenzene (o-DCB)	ND	25	5	1,2,4-Trimethylbenzene	ND	25	5
1,3-Dichlorobenzene (m-DCB)	ND	25	5	1,3,5 -Trimethylbenzene	ND	25	5
1,4-Dichlorobenzene (p-DCB)	ND	25	5	Vinyl chloride	ND	25	5
Dichlorodifluoromethane (Freon 12)	ND	25	5	m,p-Xylene	ND	25	5
1,1-Dichloroethane (1,1-DCA)	ND	25	5	o-Xylene	ND	25	5
1,2-Dichloroethane (1,2-DCA)	ND	25	5	MTBE	ND	25	5
1,1-Dichloroethene (1,1-DCE)	ND	25	5				
cis-1,2-Dichloroethene	ND	25	5				
trans-1,2-Dichloroethene	ND	25	5				
1,2-Dichloropropane	ND	25	5				
1,3-Dichloropropane	ND	25	5				
2,2-Dichloropropane	ND	25	5				
1,1-Dichloropropene	ND	25	5				

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	90	70-130%
1,2-Dichloroethane-d4	81	70-130%
Toluene-d8	93	70-130%
4-Bromofluorobenzene	78	70-130%

RL-Reporting Limit (Practical Quantitation Limit)
DF-Dilution Factor
ND - Not Detected at Indicated Reporting Limit (PQL).

Veritas Laboratories
Truth in Quality, Truth in Service

CLIENT NAME: URS Corporation
CLIENT PROJECT NAME: **Al Phillips-Maryland Square**
CLIENT PROJECT NUMBER: 26698724.00005

CLIENT SAMPLE ID: **METHOD BLANK**
DATE SAMPLED: NA
VERITAS SAMPLE ID: VBLK080304-02

METHOD: Volatile Organic Compounds by EPA 8260B, GC/MS
MATRIX: Groundwater
DATE(S) ANALYZED: 03/04/08

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

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Dibromofluoromethane	102	70-130%
1,2-Dichloroethane-d4	90	70-130%
Toluene-d8	105	70-130%
4-Bromofluorobenzene	76	70-130%

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

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

Veritas Laboratories

Truth in Quality, Truth in Service

6245 Harrison Drive, Suite 4, Las Vegas, NV 89120

(702) 321-8315 Phone
(702) 597-2098 Fax
Email: veritaslabs@msn.com

Veritas Lab ID: V0803005

Company: URS	Telephone: 556-2750
Address: 811 Grier Dr Las Vegas, NV 89119	Fax: 492-9149
	Email: Lisa_Lowe@URSCorp.com
Attention: Lisa Lowe	Project Name/Project Number: At Phillips - Maryland Square / 26498724.00005
Invoice To: "	
Sampled By: "	P.O. Number:

Client Sample ID	Veritas Lab ID	Date Sampled	Time Sampled	Com-posite	Grab	Matrix Code[1]	8260B								Comments
B-T2		3-4-08	1210		X	GW	X								
Total # of Containers							3								
Preservation[2]							I								
Container Code[3]							V								

For Drinking Water Compliance Only: Sampler attests to authenticity and validity of information on this Chain of Custody _____ (initial). Falsification of information on this Chain of Custody may be considered fraud.

Relinquished by: (Signature)	Date/Time:
[signature]	3-4-08 / 12:59
Received by: (Signature)	**Date/Time:**
[signature]	3/4/08 1pm
Relinquished by: (Signature)	**Date/Time:**
Received by: (Signature)	**Date/Time:**

Turnaround Time:

- ___ Same Day
- X 1 Day
- ___ 2 Days
- ___ 3 Days
- ___ 5 Days (Normal)
- ___ Other

3/5/08
Date Needed

[1]Matrix Code

GW=Groundwater
WW=Wastewater
DW=Drinking Water
A=Air
S=Soil/Solid
SL=Sludge
OL=Organic Liquid
W=Wipe
O=Other

[2]Preservation Code

I=Iced
H=HCL
N=HNO_3
S=H_2SO_4
X=NaOH
T=$Na_2S_2O_3$
Z=ZnAc
O=Other
NO=None

[3]Container Code

A=Amber
G=Glass
P=Plastic
ST=Sterile
V=VOA Vial
T=Tedlar Bag
W=Wipe
O=Other

For Lab Use Only

Received in Good Condition? Yes/No

Custody Seals? Yes/No

Temperature 4°C

By Signing this Chain of Custody, the Client Agrees to All of Veritas Laboratories' Published Standard Terms and Conditions

CHAIN OF CUSTODY

All Data Reported on a Wet-Weight Basis, Unless Otherwise Specified

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08031803-01A
Client I.D. Number: MW-32

Sampled: 03/17/08
Received: 03/18/08
Analyzed: 03/20/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	10	µg/L
2	Chloromethane	ND	40	µg/L
3	Vinyl chloride	ND	10	µg/L
4	Chloroethane	ND	10	µg/L
5	Bromomethane	ND	40	µg/L
6	Trichlorofluoromethane	ND	10	µg/L
7	1,1-Dichloroethene	ND	10	µg/L
8	Dichloromethane	ND	40	µg/L
9	trans-1,2-Dichloroethene	ND	10	µg/L
10	1,1-Dichloroethane	ND	10	µg/L
11	cis-1,2-Dichloroethene	ND	10	µg/L
12	Bromochloromethane	ND	10	µg/L
13	Chloroform	ND	10	µg/L
14	2,2-Dichloropropane	ND	10	µg/L
15	1,2-Dichloroethane	ND	10	µg/L
16	1,1,1-Trichloroethane	ND	10	µg/L
17	1,1-Dichloropropene	ND	10	µg/L
18	Carbon tetrachloride	ND	10	µg/L
19	Benzene	ND	5.0	µg/L
20	Dibromomethane	ND	10	µg/L
21	1,2-Dichloropropane	ND	10	µg/L
22	Trichloroethene	ND	10	µg/L
23	Bromodichloromethane	ND	10	µg/L
24	cis-1,3-Dichloropropene	ND	10	µg/L
25	trans-1,3-Dichloropropene	ND	10	µg/L
26	1,1,2-Trichloroethane	ND	10	µg/L
27	Toluene	ND	5.0	µg/L
28	1,3-Dichloropropane	ND	10	µg/L
29	Dibromochloromethane	ND	10	µg/L
30	1,2-Dibromoethane (EDB)	ND	40	µg/L
31	Tetrachloroethene	720	10	µg/L
32	1,1,1,2-Tetrachloroethane	ND	10	µg/L
33	Chlorobenzene	ND	10	µg/L
34	Ethylbenzene	ND	5.0	µg/L
35	m,p-Xylene	ND	5.0	µg/L
36	Bromoform	ND	10	µg/L
37	Styrene	ND	10	µg/L
38	o-Xylene	ND	5.0	µg/L
39	1,1,2,2-Tetrachloroethane	ND	10	µg/L
40	1,2,3-Trichloropropane	ND	40	µg/L
41	Isopropylbenzene	ND	10	µg/L
42	Bromobenzene	ND	10	µg/L
43	n-Propylbenzene	ND	10	µg/L
44	4-Chlorotoluene	ND	10	µg/L
45	2-Chlorotoluene	ND	10	µg/L
46	1,3,5-Trimethylbenzene	ND	10	µg/L
47	tert-Butylbenzene	ND	10	µg/L
48	1,2,4-Trimethylbenzene	ND	10	µg/L
49	sec-Butylbenzene	ND	10	µg/L
50	1,3-Dichlorobenzene	ND	10	µg/L
51	1,4-Dichlorobenzene	ND	10	µg/L
52	4-Isopropyltoluene	ND	10	µg/L
53	1,2-Dichlorobenzene	ND	10	µg/L
54	n-Butylbenzene	ND	10	µg/L
55	1,2-Dibromo-3-chloropropane (DBCP)	ND	60	µg/L
56	1,2,4-Trichlorobenzene	ND	40	µg/L
57	Naphthalene	ND	40	µg/L
58	Hexachlorobutadiene	ND	40	µg/L
59	1,2,3-Trichlorobenzene	ND	40	µg/L
60	Surr: 1,2-Dichloroethane-d4	82	(75-128)	%REC
61	Surr: Toluene-d8	99	(80-120)	%REC
62	Surr: 4-Bromofluorobenzene	92	(80-120)	%REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

3/24/08
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08031803-02A
Client I.D. Number: MW-31

Sampled: 03/17/08
Received: 03/18/08
Analyzed: 03/20/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	1.0	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	1.0	µg/L
7	1,1-Dichloroethene	ND	1.0	µg/L
8	Dichloromethane	ND	2.0	µg/L
9	trans-1,2-Dichloroethene	ND	1.0	µg/L
10	1,1-Dichloroethane	ND	1.0	µg/L
11	cis-1,2-Dichloroethene	ND	1.0	µg/L
12	Bromochloromethane	ND	1.0	µg/L
13	Chloroform	2.9	1.0	µg/L
14	2,2-Dichloropropane	ND	1.0	µg/L
15	1,2-Dichloroethane	ND	1.0	µg/L
16	1,1,1-Trichloroethane	ND	1.0	µg/L
17	1,1-Dichloropropene	ND	1.0	µg/L
18	Carbon tetrachloride	ND	1.0	µg/L
19	Benzene	ND	1.0	µg/L
20	Dibromomethane	ND	1.0	µg/L
21	1,2-Dichloropropane	ND	1.0	µg/L
22	Trichloroethene	ND	1.0	µg/L
23	Bromodichloromethane	ND	1.0	µg/L
24	cis-1,3-Dichloropropene	ND	1.0	µg/L
25	trans-1,3-Dichloropropene	ND	1.0	µg/L
26	1,1,2-Trichloroethane	ND	1.0	µg/L
27	Toluene	ND	1.0	µg/L
28	1,3-Dichloropropane	ND	1.0	µg/L
29	Dibromochloromethane	ND	1.0	µg/L
30	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
31	Tetrachloroethene	49	1.0	µg/L
32	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
33	Chlorobenzene	ND	1.0	µg/L
34	Ethylbenzene	ND	1.0	µg/L
35	m,p-Xylene	ND	1.0	µg/L
36	Bromoform	ND	1.0	µg/L
37	Styrene	ND	1.0	µg/L
38	o-Xylene	ND	1.0	µg/L
39	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
40	1,2,3-Trichloropropane	ND	2.0	µg/L
41	Isopropylbenzene	ND	1.0	µg/L
42	Bromobenzene	ND	1.0	µg/L
43	n-Propylbenzene	ND	1.0	µg/L
44	4-Chlorotoluene	ND	1.0	µg/L
45	2-Chlorotoluene	ND	1.0	µg/L
46	1,3,5-Trimethylbenzene	ND	1.0	µg/L
47	tert-Butylbenzene	ND	1.0	µg/L
48	1,2,4-Trimethylbenzene	ND	1.0	µg/L
49	sec-Butylbenzene	ND	1.0	µg/L
50	1,3-Dichlorobenzene	ND	1.0	µg/L
51	1,4-Dichlorobenzene	ND	1.0	µg/L
52	4-Isopropyltoluene	ND	1.0	µg/L
53	1,2-Dichlorobenzene	ND	1.0	µg/L
54	n-Butylbenzene	ND	1.0	µg/L
55	1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0	µg/L
56	1,2,4-Trichlorobenzene	ND	2.0	µg/L
57	Naphthalene	ND	2.0	µg/L
58	Hexachlorobutadiene	ND	2.0	µg/L
59	1,2,3-Trichlorobenzene	ND	2.0	µg/L
60	Surr: 1,2-Dichloroethane-d4	90	(75-128)	%REC
61	Surr: Toluene-d8	101	(80-120)	%REC
62	Surr: 4-Bromofluorobenzene	93	(80-120)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

3/24/08
Report Date

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: URS08031803 **Project:** 26698724

Alpha's Sample ID	Client's Sample ID	Matrix	pH
08031803-01A	MW-32	Aqueous	2
08031803-02A	MW-31	Aqueous	2

3/24/08
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *21-Mar-08*

QC Summary Report

Work Order: 08031803

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\080319\08031935.D** Batch ID: **MS10W0319C** Analysis Date: **03/19/2008 20:45**

Sample ID: **MBLK MS10W0319C** Units : **µg/L** Run ID: **MSD_10_080319A** Prep Date: **03/19/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	1								
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
1,1-Dichloroethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
Bromochloromethane	ND	1								
Chloroform	ND	1								
2,2-Dichloropropane	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
1,1-Dichloropropene	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	1								
Dibromomethane	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	1								
1,3-Dichloropropane	ND	1								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
1,1,1,2-Tetrachloroethane	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	1								
m,p-Xylene	ND	1								
Bromoform	ND	1								
Styrene	ND	1								
o-Xylene	ND	1								
1,1,2,2-Tetrachloroethane	ND	1								
1,2,3-Trichloropropane	ND	2								
Isopropylbenzene	ND	1								
Bromobenzene	ND	1								
n-Propylbenzene	ND	1								
4-Chlorotoluene	ND	1								
2-Chlorotoluene	ND	1								
1,3,5-Trimethylbenzene	ND	1								
tert-Butylbenzene	ND	1								
1,2,4-Trimethylbenzene	ND	1								
sec-Butylbenzene	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
4-Isopropyltoluene	ND	1								
1,2-Dichlorobenzene	ND	1								
n-Butylbenzene	ND	1								
1,2-Dibromo-3-chloropropane (DBCP)	ND	3								
1,2,4-Trichlorobenzene	ND	2								
Naphthalene	ND	2								
Hexachlorobutadiene	ND	2								
1,2,3-Trichlorobenzene	ND	2								
Surr: 1,2-Dichloroethane-d4	10.6		10		106	75	128			
Surr: Toluene-d8	9.94		10		99	80	120			
Surr: 4-Bromofluorobenzene	9.08		10		91	80	120			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *21-Mar-08*

QC Summary Report

Work Order: 08031803

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\080319\08031932.D** Batch ID: **MS10W0319C** Analysis Date: **03/19/2008 19:41**

Sample ID: **LCS MS10W0319C** Units : **µg/L** Run ID: **MSD_10_080319A** Prep Date: **03/19/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.2	1	10		102	80	120			
Benzene	8.74	0.5	10		87	70	130			
Trichloroethene	9.16	1	10		92	70	130			
Toluene	9.65	0.5	10		97	80	120			
Chlorobenzene	9.68	1	10		97	70	130			
Ethylbenzene	9.19	0.5	10		92	80	120			
m,p-Xylene	9.4	0.5	10		94	70	130			
o-Xylene	10.1	0.5	10		101	70	130			
Surr: 1,2-Dichloroethane-d4	9.9		10		99	75	128			
Surr: Toluene-d8	10.3		10		103	80	120			
Surr: 4-Bromofluorobenzene	9.59		10		96	80	120			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\080319\08031936.D** Batch ID: **MS10W0319C** Analysis Date: **03/19/2008 21:07**

Sample ID: **08031402-04AMS** Units : **µg/L** Run ID: **MSD_10_080319A** Prep Date: **03/19/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	52.2	2.5	50	0	104	66	132			
Benzene	45.3	1.3	50	0	91	70	130			
Trichloroethene	70	2.5	50	25.3	89	69	130			
Toluene	47.9	1.3	50	0	96	67	130			
Chlorobenzene	47.4	2.5	50	0	95	70	130			
Ethylbenzene	44.8	1.3	50	0	90	70	130			
m,p-Xylene	46.6	1.3	50	0	93	69	130			
o-Xylene	49.5	1.3	50	0	99	70	130			
Surr: 1,2-Dichloroethane-d4	43.7		50		87	75	128			
Surr: Toluene-d8	48.5		50		97	80	120			
Surr: 4-Bromofluorobenzene	49.5		50		99	80	120			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **C:\HPCHEM\MS10\DATA\080319\08031937.D** Batch ID: **MS10W0319C** Analysis Date: **03/19/2008 21:28**

Sample ID: **08031402-04AMSD** Units : **µg/L** Run ID: **MSD_10_080319A** Prep Date: **03/19/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	50.2	2.5	50	0	100	66	132	52.16	3.9(20)	
Benzene	45.2	1.3	50	0	90	70	130	45.25	0.2(20)	
Trichloroethene	72.4	2.5	50	25.3	94	69	130	70.02	3.4(20)	
Toluene	47.4	1.3	50	0	95	67	130	47.88	0.9(20)	
Chlorobenzene	46.7	2.5	50	0	93	70	130	47.4	1.4(20)	
Ethylbenzene	43.9	1.3	50	0	88	70	130	44.81	2.0(20)	
m,p-Xylene	46.2	1.3	50	0	92	69	130	46.59	0.8(20)	
o-Xylene	48.9	1.3	50	0	98	70	130	49.53	1.3(20)	
Surr: 1,2-Dichloroethane-d4	47.2		50		94	75	128			
Surr: Toluene-d8	49.1		50		98	80	120			
Surr: 4-Bromofluorobenzene	50.1		50		100	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : URSL08031803

Report Due By : 5:00 PM On : 25-Mar-08

Client:
URS Corporation
811 Grier Dr.

Las Vegas, NV 89119

Report Attention	Phone Number	EMail Address
Lisa Lowe	(702) 492-7923 x	lisa_lowe@urscorp.com

EDD Required : **No**

Sampled by : Client

PO :

Client's COC # : 22665 Job : 26698724

Cooler Temp	Samples Received	Date Printed
4 °C	18-Mar-08	18-Mar-08

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests VOC_W								Sample Remarks
URS08031803-01A	MW-32	AQ	03/17/08 15:10	3	0	5	8260_N								
URS08031803-02A	MW-31	AQ	03/17/08 16:12	3	0	5	8260_N								

Comments: Security seals intact. Frozen ice. Chain split into two separate work orders due to different TATs. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Elizabeth Sauvageau	Elizabeth Sauvageau	Alpha Analytical, Inc.	3-18-08 1043

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

22665

Billing Information:
Name URS Corporation
Address 811 Grier Drive
City, State, Zip Las Vegas, NV 89119
Phone Number 702-492-7923 Fax 702-492-9149

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ ___ CA ___ NV ☒ WA ___
ID ___ OR ___ OTHER ___

Page # 1 of 1

Client Name: Same
Address:
City, State, Zip:
P.O. #:
Job #: 26698724
EMail Address: Lisa_Lowe@urscorp.com
Phone #: same
Fax #: same
Report Attention: Lisa Lowe

Required QC Level? I II III IV
EDD / EDF? YES ___ NO ___
Global ID # ___

Time Sampled	Date Sampled	Matrix* See Key Below	Sampled by / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	8260B Std							REMARKS
1411	3/17/08	AQ		MW-33	48hr	N	3V	X							
1510	↓	↓	URS08031803-01	MW-32	Norm	↓	↓	X							
1612	↓	↓	-02	MW-31	Norm	↓	↓	X							

Lisa

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by	Lisa Lowe	Lisa B. Lowe	URS	3/17/08	1642
Received by	[illegible]	V. SMITH	Alpha	3-17-08	1642
Relinquished by	[illegible]	V. SMITH	Alpha	3-17-08	1642
Received by	E Sauvagean	E. Sauvagean	Alpha	3-18-08	1043
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08031801-01A
Client I.D. Number: MW-33

Sampled: 03/17/08
Received: 03/18/08
Analyzed: 03/19/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	1.0	µg/L
2	Chloromethane	ND	2.0	µg/L
3	Vinyl chloride	ND	1.0	µg/L
4	Chloroethane	ND	1.0	µg/L
5	Bromomethane	ND	2.0	µg/L
6	Trichlorofluoromethane	ND	1.0	µg/L
7	1,1-Dichloroethene	ND	1.0	µg/L
8	Dichloromethane	ND	2.0	µg/L
9	trans-1,2-Dichloroethene	ND	1.0	µg/L
10	1,1-Dichloroethane	ND	1.0	µg/L
11	cis-1,2-Dichloroethene	ND	1.0	µg/L
12	Bromochloromethane	ND	1.0	µg/L
13	Chloroform	5.6	1.0	µg/L
14	2,2-Dichloropropane	ND	1.0	µg/L
15	1,2-Dichloroethane	ND	1.0	µg/L
16	1,1,1-Trichloroethane	ND	1.0	µg/L
17	1,1-Dichloropropene	ND	1.0	µg/L
18	Carbon tetrachloride	ND	1.0	µg/L
19	Benzene	ND	1.0	µg/L
20	Dibromomethane	ND	1.0	µg/L
21	1,2-Dichloropropane	ND	1.0	µg/L
22	Trichloroethene	ND	1.0	µg/L
23	Bromodichloromethane	ND	1.0	µg/L
24	cis-1,3-Dichloropropene	ND	1.0	µg/L
25	trans-1,3-Dichloropropene	ND	1.0	µg/L
26	1,1,2-Trichloroethane	ND	1.0	µg/L
27	Toluene	ND	1.0	µg/L
28	1,3-Dichloropropane	ND	1.0	µg/L
29	Dibromochloromethane	ND	1.0	µg/L
30	1,2-Dibromoethane (EDB)	ND	2.0	µg/L
31	Tetrachloroethene	2.4	1.0	µg/L
32	1,1,1,2-Tetrachloroethane	ND	1.0	µg/L
33	Chlorobenzene	ND	1.0	µg/L
34	Ethylbenzene	ND	1.0	µg/L
35	m,p-Xylene	ND	1.0	µg/L
36	Bromoform	ND	1.0	µg/L
37	Styrene	ND	1.0	µg/L
38	o-Xylene	ND	1.0	µg/L
39	1,1,2,2-Tetrachloroethane	ND	1.0	µg/L
40	1,2,3-Trichloropropane	ND	2.0	µg/L
41	Isopropylbenzene	ND	1.0	µg/L
42	Bromobenzene	ND	1.0	µg/L
43	n-Propylbenzene	ND	1.0	µg/L
44	4-Chlorotoluene	ND	1.0	µg/L
45	2-Chlorotoluene	ND	1.0	µg/L
46	1,3,5-Trimethylbenzene	ND	1.0	µg/L
47	tert-Butylbenzene	ND	1.0	µg/L
48	1,2,4-Trimethylbenzene	ND	1.0	µg/L
49	sec-Butylbenzene	ND	1.0	µg/L
50	1,3-Dichlorobenzene	ND	1.0	µg/L
51	1,4-Dichlorobenzene	ND	1.0	µg/L
52	4-Isopropyltoluene	ND	1.0	µg/L
53	1,2-Dichlorobenzene	ND	1.0	µg/L
54	n-Butylbenzene	ND	1.0	µg/L
55	1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0	µg/L
56	1,2,4-Trichlorobenzene	ND	2.0	µg/L
57	Naphthalene	ND	2.0	µg/L
58	Hexachlorobutadiene	ND	2.0	µg/L
59	1,2,3-Trichlorobenzene	ND	2.0	µg/L
60	Surr: 1,2-Dichloroethane-d4	98	(75-128)	%REC
61	Surr: Toluene-d8	102	(80-120)	%REC
62	Surr: 4-Bromofluorobenzene	104	(80-120)	%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com

Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

3/19/08
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: URS08031801 **Project:** 26698724

Alpha's Sample ID	Client's Sample ID	Matrix	pH
08031801-01A	MW-33	Aqueous	2

3/19/08

Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *19-Mar-08*

QC Summary Report

Work Order: 08031801

Method Blank Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **08031841.D** Batch ID: **MS15W0318A** Analysis Date: **03/18/2008 23:00**

Sample ID: **MBLK MS15W0318A** Units : **µg/L** Run ID: **MSD_15_080318C** Prep Date: **03/18/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Dichlorodifluoromethane	ND	1								
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
1,1-Dichloroethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
Bromochloromethane	ND	1								
Chloroform	ND	1								
2,2-Dichloropropane	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
1,1-Dichloropropene	ND	1								
Carbon tetrachloride	ND	1								
Benzene	ND	1								
Dibromomethane	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Toluene	ND	1								
1,3-Dichloropropane	ND	1								
Dibromochloromethane	ND	1								
1,2-Dibromoethane (EDB)	ND	2								
Tetrachloroethene	ND	1								
1,1,1,2-Tetrachloroethane	ND	1								
Chlorobenzene	ND	1								
Ethylbenzene	ND	1								
m,p-Xylene	ND	1								
Bromoform	ND	1								
Styrene	ND	1								
o-Xylene	ND	1								
1,1,2,2-Tetrachloroethane	ND	1								
1,2,3-Trichloropropane	ND	2								
Isopropylbenzene	ND	1								
Bromobenzene	ND	1								
n-Propylbenzene	ND	1								
4-Chlorotoluene	ND	1								
2-Chlorotoluene	ND	1								
1,3,5-Trimethylbenzene	ND	1								
tert-Butylbenzene	ND	1								
1,2,4-Trimethylbenzene	ND	1								
sec-Butylbenzene	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
4-Isopropyltoluene	ND	1								
1,2-Dichlorobenzene	ND	1								
n-Butylbenzene	ND	1								
1,2-Dibromo-3-chloropropane (DBCP)	ND	3								
1,2,4-Trichlorobenzene	ND	2								
Naphthalene	ND	2								
Hexachlorobutadiene	ND	2								
1,2,3-Trichlorobenzene	ND	2								
Surr: 1,2-Dichloroethane-d4	10		10		100	75	128			
Surr: Toluene-d8	10.7		10		107	80	120			
Surr: 4-Bromofluorobenzene	10.3		10		103	80	120			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *19-Mar-08*

QC Summary Report

Work Order: 08031801

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **08031838.D** Batch ID: **MS15W0318A** Analysis Date: **03/18/2008 21:51**

Sample ID: **LCS MS15W0318A** Units : **µg/L** Run ID: **MSD_15_080318C** Prep Date: **03/18/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	10.2	1	10		102	80	120			
Benzene	10.8	0.5	10		108	70	130			
Trichloroethene	10.6	1	10		106	70	130			
Toluene	10.1	0.5	10		101	80	120			
Chlorobenzene	10.2	1	10		102	70	130			
Ethylbenzene	10.5	0.5	10		105	80	120			
m,p-Xylene	11.3	0.5	10		113	70	130			
o-Xylene	11.6	0.5	10		116	70	130			
Surr: 1,2-Dichloroethane-d4	9.14		10		91	75	128			
Surr: Toluene-d8	9.94		10		99	80	120			
Surr: 4-Bromofluorobenzene	10.7		10		107	80	120			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **08031842.D** Batch ID: **MS15W0318A** Analysis Date: **03/18/2008 23:23**

Sample ID: **08031747-02AMS** Units : **µg/L** Run ID: **MSD_15_080318C** Prep Date: **03/18/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	43.4	2.5	50	0	87	66	132			
Benzene	46.9	1.3	50	0	94	70	130			
Trichloroethene	44.5	2.5	50	0	89	69	130			
Toluene	42.3	1.3	50	0	85	67	130			
Chlorobenzene	43.7	2.5	50	0	87	70	130			
Ethylbenzene	43.9	1.3	50	0	88	70	130			
m,p-Xylene	47.1	1.3	50	0	94	69	130			
o-Xylene	49.3	1.3	50	0	99	70	130			
Surr: 1,2-Dichloroethane-d4	46.6		50		93	75	128			
Surr: Toluene-d8	48.3		50		97	80	120			
Surr: 4-Bromofluorobenzene	52.9		50		106	80	120			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **08031843.D** Batch ID: **MS15W0318A** Analysis Date: **03/18/2008 23:46**

Sample ID: **08031747-02AMSD** Units : **µg/L** Run ID: **MSD_15_080318C** Prep Date: **03/18/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	38.2	2.5	50	0	76	66	132	43.42	12.7(20)	
Benzene	43.8	1.3	50	0	88	70	130	46.86	6.9(20)	
Trichloroethene	40.1	2.5	50	0	80	69	130	44.5	10.5(20)	
Toluene	40.1	1.3	50	0	80	67	130	42.32	5.3(20)	
Chlorobenzene	42	2.5	50	0	84	70	130	43.72	4.1(20)	
Ethylbenzene	40.8	1.3	50	0	82	70	130	43.85	7.1(20)	
m,p-Xylene	43.9	1.3	50	0	88	69	130	47.13	7.1(20)	
o-Xylene	47.1	1.3	50	0	94	70	130	49.25	4.6(20)	
Surr: 1,2-Dichloroethane-d4	45		50		90	75	128			
Surr: Toluene-d8	49.3		50		99	80	120			
Surr: 4-Bromofluorobenzene	53.4		50		107	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV

RUSH!

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : URSL08031801

Report Due By : 5:00 PM On : 19-Mar-08

Client:
URS Corporation
811 Grier Dr.

Las Vegas, NV 89119

Report Attention	Phone Number	EMail Address
Lisa Lowe	(702) 492-7923 x	lisa_lowe@urscorp.com

EDD Required : **No**

Sampled by : Client

PO :

Client's COC # : 22665 Job : 26698724

Cooler Temp	Samples Received	Date Printed
4 °C	18-Mar-08	18-Mar-08

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests VOC_W								Sample Remarks
URS08031801-01A	MW-33	AQ	03/17/08 14:11	3	0	1	8260_N								

Comments: Security seals intact. Frozen ice. Chain split into two separate work orders due to different TATs. 24 Hour TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Elizabeth Sauvageau	Elizabeth Sauvageau	Alpha Analytical, Inc.	3-18-08 9:59

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Name URS Corporation
Address 811 Grier Drive
City, State, Zip Las Vegas, NV 89119
Phone Number 702-492-7923 Fax 702-492-9149

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ ___ CA ___ NV ✓ WA ___
ID ___ OR ___ OTHER ___

22665

Page # 1 of 1

Client Name: Same
Address:
City, State, Zip:
P.O. #:
Job #: 26698724
EMail Address: Lisa_Lowe@urscorp.com
Phone #: same
Fax #: same
Report Attention: Lisa Lowe

Analyses Required: 8260B Std

Required QC Level? I II III IV

EDD / EDF? YES ___ NO ___

Global ID # ___

Time Sampled	Date Sampled	Matrix* See Key Below	Sampled by / Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	8260B Std	REMARKS
1411	3/17/08	AQ	URS08031801-01	MW-33	48hr	N	3V	X	
1510	↓	↓		MW-32	Norm	↓	↓	X	
1612	↓	↓		MW-31	Norm	↓	↓	X	

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by	[signature]	Lisa B. Lowe	URS	3/17/08	1642
Received by	[signature]	V. SMITH	Alpha	3-17-08	1642
Relinquished by	[signature]	V. SMITH	Alpha	3-17-08	1642
Received by	E. Sauvageau	E. Sauvageau	Alpha	3-18-08	9:59
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08032042-01A
Client I.D. Number: MW-30

Sampled: 03/18/08
Received: 03/20/08
Analyzed: 03/22/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	4.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	4.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	4.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	1,2-Dichloropropane	ND	1.0 µg/L
16	Trichloroethene	ND	1.0 µg/L
17	Bromodichloromethane	ND	1.0 µg/L
18	cis-1,3-Dichloropropene	ND	1.0 µg/L
19	trans-1,3-Dichloropropene	ND	1.0 µg/L
20	1,1,2-Trichloroethane	ND	1.0 µg/L
21	Dibromochloromethane	ND	1.0 µg/L
22	Tetrachloroethene	86	1.0 µg/L
23	Chlorobenzene	ND	1.0 µg/L
24	Bromoform	ND	1.0 µg/L
25	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
26	1,3-Dichlorobenzene	ND	1.0 µg/L
27	1,4-Dichlorobenzene	ND	1.0 µg/L
28	1,2-Dichlorobenzene	ND	1.0 µg/L
29	Surr: 1,2-Dichloroethane-d4	74 S54	(75-128) %REC
30	Surr: Toluene-d8	110	(80-120) %REC
31	Surr: 4-Bromofluorobenzene	95	(80-120) %REC

Some Reporting Limits were increased due to high concentrations of target analytes.

S54= Surrogate recovery was below laboratory acceptance limits.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com
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3/26/08
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08032042-02A
Client I.D. Number: MW-27

Sampled: 03/18/08
Received: 03/20/08
Analyzed: 03/22/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	20 µg/L
2	Vinyl chloride	ND	5.0 µg/L
3	Chloroethane	ND	5.0 µg/L
4	Bromomethane	ND	20 µg/L
5	Trichlorofluoromethane	ND	5.0 µg/L
6	1,1-Dichloroethene	ND	5.0 µg/L
7	Dichloromethane	ND	20 µg/L
8	trans-1,2-Dichloroethene	ND	5.0 µg/L
9	1,1-Dichloroethane	ND	5.0 µg/L
10	cis-1,2-Dichloroethene	ND	5.0 µg/L
11	Chloroform	ND	5.0 µg/L
12	1,2-Dichloroethane	ND	5.0 µg/L
13	1,1,1-Trichloroethane	ND	5.0 µg/L
14	Carbon tetrachloride	ND	5.0 µg/L
15	1,2-Dichloropropane	ND	5.0 µg/L
16	Trichloroethene	ND	5.0 µg/L
17	Bromodichloromethane	ND	5.0 µg/L
18	cis-1,3-Dichloropropene	ND	5.0 µg/L
19	trans-1,3-Dichloropropene	ND	5.0 µg/L
20	1,1,2-Trichloroethane	ND	5.0 µg/L
21	Dibromochloromethane	ND	5.0 µg/L
22	Tetrachloroethene	580	5.0 µg/L
23	Chlorobenzene	ND	5.0 µg/L
24	Bromoform	ND	5.0 µg/L
25	1,1,2,2-Tetrachloroethane	ND	5.0 µg/L
26	1,3-Dichlorobenzene	ND	5.0 µg/L
27	1,4-Dichlorobenzene	ND	5.0 µg/L
28	1,2-Dichlorobenzene	ND	5.0 µg/L
29	Surr: 1,2-Dichloroethane-d4	75	(75-128) %REC
30	Surr: Toluene-d8	109	(80-120) %REC
31	Surr: 4-Bromofluorobenzene	95	(80-120) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com
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Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08032042-03A
Client I.D. Number: MW-26

Sampled: 03/18/08
Received: 03/20/08
Analyzed: 03/22/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/L
2	Vinyl chloride	ND	10 µg/L
3	Chloroethane	ND	10 µg/L
4	Bromomethane	ND	40 µg/L
5	Trichlorofluoromethane	ND	10 µg/L
6	1,1-Dichloroethene	ND	10 µg/L
7	Dichloromethane	ND	40 µg/L
8	trans-1,2-Dichloroethene	ND	10 µg/L
9	1,1-Dichloroethane	ND	10 µg/L
10	cis-1,2-Dichloroethene	ND	10 µg/L
11	Chloroform	ND	10 µg/L
12	1,2-Dichloroethane	ND	10 µg/L
13	1,1,1-Trichloroethane	ND	10 µg/L
14	Carbon tetrachloride	ND	10 µg/L
15	1,2-Dichloropropane	ND	10 µg/L
16	Trichloroethene	ND	10 µg/L
17	Bromodichloromethane	ND	10 µg/L
18	cis-1,3-Dichloropropene	ND	10 µg/L
19	trans-1,3-Dichloropropene	ND	10 µg/L
20	1,1,2-Trichloroethane	ND	10 µg/L
21	Dibromochloromethane	ND	10 µg/L
22	Tetrachloroethene	1,100	10 µg/L
23	Chlorobenzene	ND	10 µg/L
24	Bromoform	ND	10 µg/L
25	1,1,2,2-Tetrachloroethane	ND	10 µg/L
26	1,3-Dichlorobenzene	ND	10 µg/L
27	1,4-Dichlorobenzene	ND	10 µg/L
28	1,2-Dichlorobenzene	ND	10 µg/L
29	Surr: 1,2-Dichloroethane-d4	76	(75-128) %REC
30	Surr: Toluene-d8	109	(80-120) %REC
31	Surr: 4-Bromofluorobenzene	95	(80-120) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com
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Report Date

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255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08032042-04A
Client I.D. Number: MW-25

Sampled: 03/18/08
Received: 03/20/08
Analyzed: 03/22/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/L
2	Vinyl chloride	ND	10 µg/L
3	Chloroethane	ND	10 µg/L
4	Bromomethane	ND	40 µg/L
5	Trichlorofluoromethane	ND	10 µg/L
6	1,1-Dichloroethene	ND	10 µg/L
7	Dichloromethane	ND	40 µg/L
8	trans-1,2-Dichloroethene	ND	10 µg/L
9	1,1-Dichloroethane	ND	10 µg/L
10	cis-1,2-Dichloroethene	ND	10 µg/L
11	Chloroform	ND	10 µg/L
12	1,2-Dichloroethane	ND	10 µg/L
13	1,1,1-Trichloroethane	ND	10 µg/L
14	Carbon tetrachloride	ND	10 µg/L
15	1,2-Dichloropropane	ND	10 µg/L
16	Trichloroethene	ND	10 µg/L
17	Bromodichloromethane	ND	10 µg/L
18	cis-1,3-Dichloropropene	ND	10 µg/L
19	trans-1,3-Dichloropropene	ND	10 µg/L
20	1,1,2-Trichloroethane	ND	10 µg/L
21	Dibromochloromethane	ND	10 µg/L
22	Tetrachloroethene	890	10 µg/L
23	Chlorobenzene	ND	10 µg/L
24	Bromoform	ND	10 µg/L
25	1,1,2,2-Tetrachloroethane	ND	10 µg/L
26	1,3-Dichlorobenzene	ND	10 µg/L
27	1,4-Dichlorobenzene	ND	10 µg/L
28	1,2-Dichlorobenzene	ND	10 µg/L
29	Surr: 1,2-Dichloroethane-d4	77	(75-128) %REC
30	Surr: Toluene-d8	107	(80-120) %REC
31	Surr: 4-Bromofluorobenzene	96	(80-120) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com
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255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08032042-05A
Client I.D. Number: MW-19

Sampled: 03/18/08
Received: 03/20/08
Analyzed: 03/22/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	80 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	1,2-Dichloropropane	ND	20 µg/L
16	Trichloroethene	ND	20 µg/L
17	Bromodichloromethane	ND	20 µg/L
18	cis-1,3-Dichloropropene	ND	20 µg/L
19	trans-1,3-Dichloropropene	ND	20 µg/L
20	1,1,2-Trichloroethane	ND	20 µg/L
21	Dibromochloromethane	ND	20 µg/L
22	Tetrachloroethene	1,200	20 µg/L
23	Chlorobenzene	ND	20 µg/L
24	Bromoform	ND	20 µg/L
25	1,1,2,2-Tetrachloroethane	ND	20 µg/L
26	1,3-Dichlorobenzene	ND	20 µg/L
27	1,4-Dichlorobenzene	ND	20 µg/L
28	1,2-Dichlorobenzene	ND	20 µg/L
29	Surr: 1,2-Dichloroethane-d4	75	(75-128) %REC
30	Surr: Toluene-d8	109	(80-120) %REC
31	Surr: 4-Bromofluorobenzene	94	(80-120) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com
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Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08032042-06A
Client I.D. Number: MW-23

Sampled: 03/18/08
Received: 03/20/08
Analyzed: 03/22/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	80 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	1,2-Dichloropropane	ND	20 µg/L
16	Trichloroethene	ND	20 µg/L
17	Bromodichloromethane	ND	20 µg/L
18	cis-1,3-Dichloropropene	ND	20 µg/L
19	trans-1,3-Dichloropropene	ND	20 µg/L
20	1,1,2-Trichloroethane	ND	20 µg/L
21	Dibromochloromethane	ND	20 µg/L
22	Tetrachloroethene	1,400	20 µg/L
23	Chlorobenzene	ND	20 µg/L
24	Bromoform	ND	20 µg/L
25	1,1,2,2-Tetrachloroethane	ND	20 µg/L
26	1,3-Dichlorobenzene	ND	20 µg/L
27	1,4-Dichlorobenzene	ND	20 µg/L
28	1,2-Dichlorobenzene	ND	20 µg/L
29	Surr: 1,2-Dichloroethane-d4	76	(75-128) %REC
30	Surr: Toluene-d8	109	(80-120) %REC
31	Surr: 4-Bromofluorobenzene	95	(80-120) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com
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Report Date

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255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08032042-07A
Client I.D. Number: MW-18

Sampled: 03/19/08
Received: 03/20/08
Analyzed: 03/22/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	80 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	1,2-Dichloropropane	ND	20 µg/L
16	Trichloroethene	ND	20 µg/L
17	Bromodichloromethane	ND	20 µg/L
18	cis-1,3-Dichloropropene	ND	20 µg/L
19	trans-1,3-Dichloropropene	ND	20 µg/L
20	1,1,2-Trichloroethane	ND	20 µg/L
21	Dibromochloromethane	ND	20 µg/L
22	Tetrachloroethene	1,800	20 µg/L
23	Chlorobenzene	ND	20 µg/L
24	Bromoform	ND	20 µg/L
25	1,1,2,2-Tetrachloroethane	ND	20 µg/L
26	1,3-Dichlorobenzene	ND	20 µg/L
27	1,4-Dichlorobenzene	ND	20 µg/L
28	1,2-Dichlorobenzene	ND	20 µg/L
29	Surr: 1,2-Dichloroethane-d4	78	(75-128) %REC
30	Surr: Toluene-d8	108	(80-120) %REC
31	Surr: 4-Bromofluorobenzene	97	(80-120) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 736-7522 / info@alpha-analytical.com
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Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

URS Corporation
811 Grier Dr.
Las Vegas, NV 89119
Job#: 26698724

Attn: Lisa Lowe
Phone: (702) 492-7923
Fax: (702) 837-1600

Alpha Analytical Number: URS08032042-08A
Client I.D. Number: MW-20

Sampled: 03/19/08
Received: 03/20/08
Analyzed: 03/22/08

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	80 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	1,2-Dichloropropane	ND	20 µg/L
16	Trichloroethene	ND	20 µg/L
17	Bromodichloromethane	ND	20 µg/L
18	cis-1,3-Dichloropropene	ND	20 µg/L
19	trans-1,3-Dichloropropene	ND	20 µg/L
20	1,1,2-Trichloroethane	ND	20 µg/L
21	Dibromochloromethane	ND	20 µg/L
22	Tetrachloroethene	1,600	20 µg/L
23	Chlorobenzene	ND	20 µg/L
24	Bromoform	ND	20 µg/L
25	1,1,2,2-Tetrachloroethane	ND	20 µg/L
26	1,3-Dichlorobenzene	ND	20 µg/L
27	1,4-Dichlorobenzene	ND	20 µg/L
28	1,2-Dichlorobenzene	ND	20 µg/L
29	Surr: 1,2-Dichloroethane-d4	80	(75-128) %REC
30	Surr: Toluene-d8	108	(80-120) %REC
31	Surr: 4-Bromofluorobenzene	94	(80-120) %REC

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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3/26/08
Report Date

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: URS08032042 **Project:** 26698724

Alpha's Sample ID	Client's Sample ID	Matrix	pH
08032042-01A	MW-30	Aqueous	2
08032042-02A	MW-27	Aqueous	2
08032042-03A	MW-26	Aqueous	2
08032042-04A	MW-25	Aqueous	2
08032042-05A	MW-19	Aqueous	2
08032042-06A	MW-23	Aqueous	2
08032042-07A	MW-18	Aqueous	2
08032042-08A	MW-20	Aqueous	2

3/26/08
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *27-Mar-08*

QC Summary Report

Work Order: 08032042

Method Blank

Type **MBLK** Test Code: **EPA Method SW8260B**

File ID: **D:\HPCHEM\MS09\DATA\080321\08032137.D** Batch ID: **MS09W0321C** Analysis Date: **03/21/2008 22:29**

Sample ID: **MBLK MS09W0321C** Units : **µg/L** Run ID: **MSD_09_080321B** Prep Date: **03/21/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Chloromethane	ND	2								
Vinyl chloride	ND	1								
Chloroethane	ND	1								
Bromomethane	ND	2								
Trichlorofluoromethane	ND	1								
1,1-Dichloroethene	ND	1								
Dichloromethane	ND	2								
trans-1,2-Dichloroethene	ND	1								
1,1-Dichloroethane	ND	1								
cis-1,2-Dichloroethene	ND	1								
Chloroform	ND	1								
1,2-Dichloroethane	ND	1								
1,1,1-Trichloroethane	ND	1								
Carbon tetrachloride	ND	1								
1,2-Dichloropropane	ND	1								
Trichloroethene	ND	1								
Bromodichloromethane	ND	1								
cis-1,3-Dichloropropene	ND	1								
trans-1,3-Dichloropropene	ND	1								
1,1,2-Trichloroethane	ND	1								
Dibromochloromethane	ND	1								
Tetrachloroethene	ND	1								
Chlorobenzene	ND	1								
Bromoform	ND	1								
1,1,2,2-Tetrachloroethane	ND	1								
1,3-Dichlorobenzene	ND	1								
1,4-Dichlorobenzene	ND	1								
1,2-Dichlorobenzene	ND	1								
Surr: 1,2-Dichloroethane-d4	8.37		10		84	75	128			
Surr: Toluene-d8	10.6		10		106	80	120			
Surr: 4-Bromofluorobenzene	9.51		10		95	80	120			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**

File ID: **D:\HPCHEM\MS09\DATA\080321\08032133.D** Batch ID: **MS09W0321C** Analysis Date: **03/21/2008 20:59**

Sample ID: **LCS MS09W0321C** Units : **µg/L** Run ID: **MSD_09_080321B** Prep Date: **03/21/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.47	1	10		95	80	120			
Trichloroethene	10	1	10		100	70	130			
Chlorobenzene	9.91	1	10		99	70	130			
Surr: 1,2-Dichloroethane-d4	8.39		10		84	75	128			
Surr: Toluene-d8	10.6		10		106	80	120			
Surr: 4-Bromofluorobenzene	9.61		10		96	80	120			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**

File ID: **D:\HPCHEM\MS09\DATA\080321\08032147.D** Batch ID: **MS09W0321C** Analysis Date: **03/22/2008 02:10**

Sample ID: **08032052-02AMS** Units : **µg/L** Run ID: **MSD_09_080321B** Prep Date: **03/22/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	49	2.5	50	0	98	66	132			
Trichloroethene	50.8	2.5	50	1.28	99	69	130			
Chlorobenzene	50	2.5	50	0	99.9	70	130			
Surr: 1,2-Dichloroethane-d4	36.8		50		74	75	128			S54
Surr: Toluene-d8	54.6		50		109	80	120			
Surr: 4-Bromofluorobenzene	49.6		50		99	80	120			

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *27-Mar-08*

QC Summary Report

Work Order: 08032042

Sample Matrix Spike Duplicate Type **MSD** Test Code: **EPA Method SW8260B**

File ID: **D:\HPCHEM\MS09\DATA\080321\08032148.D** Batch ID: **MS09W0321C** Analysis Date: **03/22/2008 02:32**

Sample ID: **08032052-02AMSD** Units : **µg/L** Run ID: **MSD_09_080321B** Prep Date: **03/22/2008**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	47.5	2.5	50	0	95	66	132	48.95	3.0(20)	
Trichloroethene	50	2.5	50	1.28	97	69	130	50.83	1.7(20)	
Chlorobenzene	49.2	2.5	50	0	98	70	130	49.95	1.5(20)	
Surr: 1,2-Dichloroethane-d4	37.7		50		75	75	128			
Surr: Toluene-d8	54.2		50		108	80	120			
Surr: 4-Bromofluorobenzene	48.1		50		96	80	120			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

S54 = Surrogate recovery was below laboratory acceptance limits.

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : URSL08032042

Report Due By : 5:00 PM On : 27-Mar-08

Client:
URS Corporation
811 Grier Dr.

Las Vegas, NV 89119

Report Attention	Phone Number	EMail Address
Lisa Lowe	(702) 492-7923 x	lisa_lowe@urscorp.com

EDD Required : **No**

Sampled by : Lisa Lowe

PO :

Client's COC # : 22667 Job : 26698724

Cooler Temp	Samples Received	Date Printed
4 °C	20-Mar-08	20-Mar-08

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests VOC_W								Sample Remarks
URS08032042-01A	MW-30	AQ	03/18/08 09:14	3	0	5	8010								
URS08032042-02A	MW-27	AQ	03/18/08 10:30	3	0	5	8010								
URS08032042-03A	MW-26	AQ	03/18/08 12:20	3	0	5	8010								
URS08032042-04A	MW-25	AQ	03/18/08 13:50	3	0	5	8010								
URS08032042-05A	MW-19	AQ	03/18/08 15:04	3	0	5	8010								
URS08032042-06A	MW-23	AQ	03/18/08 16:03	3	0	5	8010								
URS08032042-07A	MW-18	AQ	03/19/08 08:49	3	0	5	8010								
URS08032042-08A	MW-20	AQ	03/19/08 09:40	3	0	5	8010								

Comments: Security seals intact. Frozen ice. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Patricia Eduasa	Patricia Eduasa	Alpha Analytical, Inc.	3/20/08 12:15

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

22667

Billing Information:

Name URS Corporation
Address 811 Grier Dr
City, State, Zip Las Vegas NV 89119
Phone Number 702-492-7123 Fax 702-492-9149

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21
Sparks, Nevada 89431-5778
Phone (775) 355-1044
Fax (775) 355-0406

Samples Collected From Which State?
AZ ___ CA ___ NV X WA ___
ID ___ OR ___ OTHER ___

Page # 1 of 1

Client Name: Same
P.O. #:
Job #: 26698724
Address:
EMail Address: Lisa_Lowe@URSCorp.com
City, State, Zip:
Phone #: Same
Fax #: Same
Sampled by: Lisa Lowe
Report Attention: Lisa Lowe

Required QC Level? I II III IV
EDD / EDF? YES ___ NO ___
Global ID # ___

Time Sampled	Date Sampled	Matrix* See Key Below	Lab ID Number (Office Use Only)	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	Analyses Required: 8010							REMARKS
0914	3/18/08	AQ	URS08032042-01	MW-30	NORM	N	3V	X							
1030		AQ	-02	MW-27				X							
1220		AQ	-03	MW-26				X							
~~1320~~ 1350		AQ	-04	MW-25				X							
1504		AQ	-05	MW-19				X							
1603		AQ	-06	MW-23				X							
0849	3/19/08		-07	MW-18				X							
0940			-08	MW-20				X							

ADDITIONAL INSTRUCTIONS:

	Signature	Print Name	Company	Date	Time
Relinquished by	[signature]	Lisa B. Lowe	URS	3-19-08	1240
Received by	[signature]	V. SMITH	Alpha	3-19-08	1240
Relinquished by	[signature]	V. SMITH	Alpha	3-19-08	4:30
Received by	Latricia Edosa	Latricia Edosa	Alpha	3/20/08	12:15
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other AR - Air **: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this coc. The liability of the laboratory is limited to the amount paid for the report.