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REPORT
QUARTERLY GROUNDWATER SAMPLING
JUNE 2006
MARYLAND SQUARE SHOPPING CENTER
3661 SOUTH MARYLAND PARKWAY
LAS VEGAS, NEVADA
FOR AL PHILLIPS THE CLEANER

URS Corporation
Job No. 26698724.00005
July 31, 2006

URS

July 31, 2006

National Drycleaners, Inc.
4510 W. 63rd Terrace
Prairie Village, KS 66208
Attn: Mr. Randy Jackson

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

Re: **Quarterly Groundwater Sampling, June 2006**
Maryland Square Shopping Center
3661 South Maryland Parkway, Las Vegas, Nevada
Facility ID: H-000086

Gentlemen:

URS Corporation is pleased to submit the June 2006 quarterly groundwater sampling event report for the Maryland Square Shopping Center. Groundwater from 22 monitoring wells was sampled during this quarterly sampling event and was submitted to the laboratory to test for volatile organic compounds (VOCs). Analysis of total organic carbon, dissolved iron, and manganese, chloride, nitrate, sulfate, and alkalinity was also performed for selected groundwater samples.

The Nevada Division of Environmental Protection (NDEP) 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, CEM #1316
Expires Oct 15, 2007
Project Manager

cc: Shannon Harbour, NDEP

URS Corporation
7180 Pollock Drive, Suite 200
Las Vegas, NV 89119
Tel: 702.837.1500
Fax: 702.837.1600

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and

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1.0 INTRODUCTION AND BACKGROUND

This report presents the results of the June 2006 quarterly groundwater sampling event at the former Al Phillips the Cleaner (Al Phillips), 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 22 monitoring wells during June 2006. 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 Spring 2004. Prior to URS site investigations, Converse Consultants (Converse) performed several subsurface assessments and groundwater sampling at the former Al Phillips facility from August 2000 through March 2004. Converse's findings indicate that PCE was detected in soil beneath the former facility and in groundwater adjacent to, and downgradient from, the facility. URS reviewed eleven Converse reports (see References) and other documents obtained from Converse and the Nevada Department of Environmental Protection (NDEP). URS then evaluated the data to assess whether or not 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 has undertaken remedial action at this well to remove hydrocarbon-contaminated water.

In April 2005, URS drilled seven boreholes in and around the site of the former Al Phillips the Cleaner 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 five-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 maximum soil PRG for PCE of 3,400 µg /kg for soil located on an industrial parcel. The highest concentration detected was 120,000 µg /kg in borehole B-10-10'.

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 MW-26 on Ottawa Circle.

2.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater samples from 22 existing monitoring wells (MW-2 to MW-10, MW-13 to MW-16, and MW-18 to MW-27) were collected during this sampling event on June 27, 28, and 29, 2006. Shallow monitoring wells MW-1, MW-12, and MW-17 and intermediate monitoring well MW-9 were unable to be sampled this event due to demolition activities taking place at the site of the former Maryland Square Shopping Center. An electronic water level meter, accurate to the nearest ± 0.01 feet, was used to measure depth to water in each well. Total well depths were also measured by lowering the weighted probe to the bottom of the well and recording the depth to the nearest 0.1-foot.

Monitoring wells were then purged prior to sampling. A minimum of three casing volumes of groundwater was purged using a submersible pump and/or a dedicated bailer. When used, the pump was decontaminated before use in each well. Casing volumes were calculated based on total well depth, standing water level, and casing diameter. Water quality parameters were monitored during well purging to evaluate when stable values had been attained. Temperature, pH and specific conductance (SC), dissolved oxygen (DO), turbidity, and oxidation reduction potential (ORP) were monitored during well purging. The depth to water, water quality measurements, and purge volumes were entered in the purge log.

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.

Monitoring wells were sampled using a clean disposable bailer. Groundwater samples were collected in four different types of containers based on the selected analysis. Water samples to be analyzed for VOCs were collected in three 40-milliliter clear glass VOA vials pre-preserved with hydrochloric acid. Three VOA vials were collected in case one breaks during transport. The VOA vials were filled so that there was no headspace. Water samples to be analyzed for TOC were collected in 500-milliliter amber glass bottles pre-preserved with sulfuric acid. Groundwater samples to be analyzed for dissolved iron and manganese were collected in one-liter clear plastic bottles that contained no preservative. These samples were filtered and preserved with nitric acid by the laboratory prior to analysis. Groundwater samples to be analyzed for chloride, nitrate, sulfate, and alkalinity were also collected in one-liter clear plastic bottles. Groundwater samples were transferred from the disposable bailer directly into the appropriate sample containers and were numbered by well number on the sample container.

Groundwater samples were labeled with the date and time the sample was collected, the sample and well number, and name of the firm and signature of the individual collecting the sample. The sample

containers were sealed, labeled, and stored in a cooler with ice. Chain-of-custody forms (Appendix) were filled out with all the appropriate sample information, and accompanied the samples to the analytical laboratory. Field meter probes were decontaminated before use at each well.

3.0 FIELD DATA AND TEST RESULTS

3.1 WATER LEVELS AND GRADIENT

The depths to water in each of the 22 selected monitoring wells was measured June 27, 28, and 29, 2006 and are listed on Table 1 along with historical data. The depth to groundwater in these sixteen wells ranged from approximately 11.64 feet below top of casing in well MW-18 to 26.05 feet in well MW-16. Figure 2 shows hydrographs for the shallow wells during the last five years. In general, groundwater elevation has decreased by approximately one foot since the March 2006 sampling event. This is likely indicative of seasonal groundwater fluctuation. The general flow direction for the shallow aquifer varies from approximately N80°E to N85°E, as indicated by the groundwater contours and flow directions shown on Figure 3.

3.2 GROUNDWATER ANALYSES AND CHEMISTRY

The groundwater samples were analyzed for VOCs by U.S. EPA method 8260B. Selected samples from monitoring wells MW-13, MW-18, and MW-25 were analyzed for total iron and manganese; chloride, nitrate, and sulfate; alkalinity; and total organic carbon (TOC), by U.S. EPA methods 200.8, 300.0 and 310.1, and 415.1, respectively. The laboratory analytical reports and chain-of-custody forms are provided in Appendix A.

Table 2 summarizes field measurements of groundwater temperature, pH, specific conductance (SC), DO, ORP, and turbidity in the monitoring wells. Groundwater temperatures ranged from 23.1 to 28.6 degrees Centigrade (°C). Groundwater pH was unable to be accurately measured during this sampling due to calibration errors with the pH probe. Groundwater SC in shallow groundwater wells ranged from 2.10 to 6.65 mS/cm. 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 3.39 to 7.11 mg/L. ORP values for shallow wells ranged from -303 to 376 millivolts (mV).

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 from shallow wells MW-2, MW-4, MW-5, MW-6, MW-13, MW-14, MW-18, MW-19, MW-20, MW-21, and MW-23 through MW-27 exceeded the PCE MCL. Table 3 summarizes the analytical data for PCE detected in the wells. Figures 4A and 4B show the PCE concentrations vs. time in the shallow and intermediate wells, respectively. The highest concentration of PCE detected this quarter was 2,900 µg/L in shallow well MW-13. Well MW-13 is

located down gradient from the site on the Boulevard Mall property near the northeast corner of the front parking garage. PCE was not detected in shallow wells MW-3, MW-10, MW-16, and MW-22. PCE was detected in quantities below the PCE MCL in shallow wells MW-7, MW-8, and MW-15. PCE concentrations in well MW-27, which is the furthest downgradient well at the site was 350 µg/L. Figure 5 shows the monitoring well locations, respective PCE concentrations for selected shallow and intermediate wells, and the estimated PCE plume area for the shallow aquifer for this current sampling event.

Trichloroethene (TCE), a degradation compound of PCE, was not detected in groundwater this sampling event. TCE is a first order reductive dechlorination (anaerobic conditions) degradation compound of PCE. Based on prior groundwater analytical results, TCE has been detected in low concentrations in wells MW-2, MW-6, and MW-22 in prior sampling events.

A secondary degradation compound, cis-1,2-dichloroethene, was not detected this sampling event. This compound has been detected at low concentrations in samples from prior sampling events and is potentially derived from breakdown of the PCE impact.

Table 4 summarizes the results of laboratory testing for ionic compounds for the June 2006 sampling event. This is the fifth sampling event during which these parameters have been monitored. Iron concentrations ranged from 1.9 to 15.0 mg/L and manganese concentrations ranged from non-detect to 0.490 mg/L. The anions (chloride, nitrate, and sulfate) ranged from 190 to 220 mg/L, 5.7 to 7.9 mg/L and 1,600 to 1,900 mg/L, respectively. Total alkalinity laboratory concentrations ranged from non-detect 220 to 230 mg/L. Total organic carbon (TOC) concentrations ranged from 1.4 to 1.9 mg/L.

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4.0 CONCLUSIONS

4.1 GROUNDWATER SAMPLING CONCLUSIONS

In general, historical laboratory analytical data indicates that PCE concentration levels in monitoring wells have fluctuated over time, dating back to the first analysis by Converse in August 2000. PCE concentrations increased in seven of the 22 monitoring wells samples this quarter compared to that detected in December 2005 and March 2006. PCE concentrations in the most easterly down gradient well MW-27 (installed in March 2006) were 350 µg/L.

Based on the groundwater monitoring and analytical results obtained during the last three sampling events, it appears that the PCE groundwater plume is approximately 600 feet wide and a minimum of 4,000 feet long. The groundwater plume is relatively narrow and may follow an old paleochannel within the alluvial sediments of the valley. Any lithologic data to support this?

4.2 REMEDIAL EFFORTS

Al Phillips will focus future remedial efforts on the PCE source area. A 'Proposed Remedial Pilot Study Letter' was submitted to NDEP on December 27, 2005. This letter proposed, based on analysis of site conditions and remedial conditions in the Las Vegas valley, the installation of a groundwater air-sparging (AS) pilot remedial system at the facility.

Maryland Square LLC (MS), owner of the former Maryland Square Shopping Center site, proceeded with demolition of the buildings at the site in July 2006. According to MS's property management firm, CB Richard Ellis, plans for development of the property have not been selected. Ongoing discussions with MS could change the proposed plans for installations of an AS remedial system.

5.0 REFERENCES

Converse Consultants, 2000. Offsite Investigation, Maryland Square Shopping Center, Las Vegas, NV dated November 28, 2000.

-----, 2001. A through K Data Research Report, dated August 22, 2001.

-----, 2002a. Work Plan – Additional Site Investigation, dated January 11, 2002.

-----, 2002b. Additional Soil and Groundwater Investigation, dated November 13, 2002.

-----, 2003a. Additional Soil and Groundwater Investigation, dated May 16, 2003.

-----, 2003b. Preliminary Corrective Action Plan (CAP), dated June 27, 2003.

-----, 2003c. Work Plan – Additional Site Activities, dated September 12, 2003.

-----, 2003d. Groundwater Monitoring Report – 3rd Quarter 2003, dated October 31, 2003.

-----, 2004. Well Installation/Slug Testing/Groundwater Monitoring Report – 4th Quarter 2003 and 1st Quarter 2004, dated March 2004.

SECOR International Incorporated, 2004. Preliminary Well Assessment, Monitoring Well MW-11, West of Dillard's Boulevard Mall Property, Las Vegas, NV, dated March 29, 2004.

URS, 2004. Revised Work Plan, Proposed Subsurface Investigation, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated September 10, 2004.

URS, 2005. Subsurface Investigation, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated July 11, 2005 .

URS, 2005. Quarterly Groundwater Sampling, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated September 26, 2005.

URS, 2005. Proposed Remedial Pilot Study, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated December 27, 2005.

URS, 2006. Quarterly Groundwater Sampling, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated February 6, 2006.

URS, 2006. Quarterly Groundwater Sampling, Former Al Phillips the Cleaner Site, Maryland Square Shopping Center, Las Vegas, NV, dated April 25, 2006.

Wiedemeier, T. H., et al. 1998. Technical protocol for evaluating natural attenuation of chlorinated solvents in ground water. U.S. Environmental Protection Agency, Office of Research and Development, Publication U.S. EPA/600/R-98/128.

TABLES

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

Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (in ft)	Elevation (in ft)
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
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
				Jun 06	17.55	1966.42
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
				Jun 06	18.38	1966.05
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
				Jun 06	18.36	1971.49
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

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SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (in ft.)	Elevation (in ft.)
MW-5	Oct-00	1989.18	10-32	Sept 03	18.07	1971.11
				Jan 04	18.65	1970.53
				May 05	14.87	1974.31
				Dec 05	16.80	1972.38
				Jun 06	17.40	1971.78
MW-6	Oct-00	1,988.72	10-32	Oct 00	17.41	1971.31
		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
				Jun 06	18.80	1970.21
MW-7	Sep 02	1,990.28	10-30	Sep 02	18.27	1972.01
		1,990.25		May 03	16.60	1973.68
				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
MW-8	Sep 02	1,994.25	10-30	Sep 02	18.55	1975.70
		1,994.23		May 03	19.50	1974.75
				Sept 03	19.55	1974.68
				Jan 04	19.91	1974.32
				May 05	15.51	1978.72
				Dec 05	18.48	1975.75
				Jun 06	18.89	1975.34
MW-10	Sep 02	1,983.81	10-30	Sep 02	18.51	1965.30
		1,983.80		May 03	18.65	1965.16
				Sept 03	19.45	1964.35
				Jan 04	20.32	1963.48
				May 05	16.76	1967.04
				Sept 05	16.95	1966.85
				Dec 05	17.64	1966.16
				Mar 06	19.25	1964.55
				Jun 06	17.90	1965.90

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Maryland Square Shopping Center

Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (in ft.)	Elevation (in ft.)
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
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
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
				Sept 05	15.60	1968.60
				Dec 05	16.05	1968.15
				Mar 06	17.24	1966.96
				Jun 06	17.40	1966.80
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
MW-15	Nov-03	1,983.28	15-32	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
MW-16	Nov-03	1,980.63	19-32	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

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SUMMARY OF WELL CHARACTERISTICS AND GROUNDWATER ELEVATIONS
Maryland Square Shopping Center

Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (in ft.)	Elevation (in ft.)
MW-17 (4-inch)	Apr-05	1,990.92	15-20	May 05	15.07	1975.85
				Dec 05	17.05	1973.87
				Jun 06	NM	NM
MW-18 (4-inch)	Apr-05	1,962.87	15-20	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
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
				Jun 06	25.55	1954.71
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
				Jun 06	25.48	1954.51
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
MW-22 (4-inch)	Apr-05	1,974.76	15-20	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
MW-23 (4-inch)	Apr-05	1,962.32	15-20	May 05	13.06	1949.26
				Dec 05	14.05	1948.27
				Jun 06	15.60	1946.72
MW-24 (4-inch)	Apr-05	1,960.74	15-20	May 05	10.72	1950.02
				Sept 05	11.75	1948.99
				Dec 05	11.65	1949.09
				Mar 06	12.10	1948.64
				Jun 06	13.16	1947.58
MW-25 (4-inch)	Apr-05	1,960.74	15-20	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
MW-26 (4-inch)	Mar-06	*	10-35	Mar 06	15.60	
				Jun 06	17.00	
MW-27 (4-inch)	Mar-06	*	10-35	Mar 06	13.48	
				Jun 06	18.50	

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

Well ID	Install Date	Top of Casing (Elevation)	Screen Depth (in ft)	Sample Date	GROUNDWATER DEPTH/ELEVATION DATA	
					Depth to Water (in ft.)	Elevation (in ft.)
INTERMEDIATE WELL						
MW-9	Sep-02	1,992.26	48.5-50	Sep 02	18.46	1973.80
				May 03	19.15	1973.11
		1,992.26		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

NOTES: All measurements are in feet. Top of casing elevation is in feet above mean sea level.
All wells are 2-inch diameter PVC casing and screen, unless indicated.
All wells installed prior to September 2003 were resurveyed in September of 2003.
NM = 'not measured' ; * =Mar 2006 installed wells yet to be surveyed

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

Well ID	Sample Date	pH	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Turbidity (ntu)
SHALLOW WELLS							
MW-1	Jan-04	6.97	22.5	3.48	0.93	NM	NM
	May-05	7.02	26.0	3.98	5.43	110	441
	Sep-05	7.08	27.5	4.16	6.99	129	64
	Dec-05	6.98	26.9	5.10	2.01	404	290
	Mar-06	**	23.1	5.62	**	545	>999
MW-2	Jan-04	7.05	23.2	3.10	1.13	NM	NM
	May-05	6.93	23.4	3.47	4.82	193	698
	Dec-05	6.63	25.4	4.82	2.67	264	360
	Jun-06	**	24.9	3.70	6.98	116	728
MW-3	Jan-04	6.87	22.4	2.91	0.97	NM	NM
	May-05	6.99	26.0	2.88	2.54	149	**
	Dec-05	6.55	27.3	4.69	0.88	33	100
	Jun-06	**	26.4	3.76	5.61	-32	285
MW-4	Jan-04	6.95	22.0	2.71	1.23	NM	NM
	May-05	6.83	24.2	3.73	3.68	160	664
	Dec-05	6.68	25.9	4.90	3.22	219	670
	Jun-06	NM	NM	NM	NM	NM	NM
MW-5	Jan-04	6.72	22.3	2.61	1.20	NM	NM
	May-05	7.09	25.4	2.59	4.56	184	**
	Dec-05	6.78	26.8	5.28	1.51	377	>999
	Jun-06	**	26.6	3.80	6.93	126	>999
MW-6	Jan-04	6.97	22.4	2.31	1.19	NM	NM
	May-05	6.91	25.9	2.35	2.81	123	**
	Sep-05	6.99	26.9	3.95	6.23	-119	34
	Dec-05	6.80	26.5	4.86	1.10	163	220
	Jun-06	**	26.7	4.00	6.34	172	707
MW-7	Jan-04	7.00	22.4	2.23	0.93	NM	NM
	May-05	7.10	24.8	1.79	4.03	129	**
	Sep-05	6.97	26.6	4.62	6.22	144	140
	Dec-05	6.67	23.8	5.33	1.80	472	5
	Mar-06	4.67	22.4	6.71	**	634	428
	Jun-06	**	26.2	4.12	6.58	-14	>999
MW-8	Jan-04	6.99	22.0	2.16	1.04	NM	NM
	May-05	7.03	27.7	1.75	3.64	107	**
	Dec-05	6.68	24.1	4.24	2.08	483	>999
	Jun-06	**	27.4	3.66	6.92	185	>999

Invalid pH values for March '06 Calibration must have been off

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

Well ID	Sample Date	pH	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Turbidity (ntu)
MW-10	Jan-04	7.00	24.4	3.13	1.03	NM	NM
	May-05	6.82	28.1	3.20	1.46	-253	25
	Sep-05	6.96	27.9	2.90	3.89	-239	28
	Dec-05	6.69	23.9	3.66	1.47	-140	57
	Mar-06	5.73	21.3	1.77	**	-154	153
	Jun-06	**	28.1	2.10	3.54	-303	>999
MW-11	Jan-04	NM	NM	NM	NM	NM	NM
MW-11	May-05	NM	NM	NM	NM	NM	NM
MW-12	Jan-04	6.99	22.4	2.15	NM	NM	NM
	May-05	6.76	24.9	2.58	3.22	219	**
	Sep-05	7.03	25.6	4.22	4.96	95	160
	Dec-05	6.68	22.5	4.98	2.00	523	210
	Mar-06	**	23.5	6.65	**	503	91
MW-13	Jan-04	6.61	22.2	3.29	1.07	NM	NM
	May-05	6.97	24.5	2.06	4.16	118	>999
	Sep-05	7.07	25.4	3.95	6.85	144	270
	Dec-05	6.70	24.9	5.03	2.19	250	330
	Mar-06	5.45	22.8	3.64	**	68	44
	Jun-06	**	24.2	3.72	7.11	120	425
MW-14	Jan-04	6.99	22.3	2.27	1.30	NM	NM
	May-05	6.95	24.7	3.23	NM	140	NM
	Dec-05	6.78	26.1	5.31	2.07	206	>999
	Mar-06	5.23	24.2	6.76	**	234	898
	Jun-06	**	25.4	3.93	6.75	119	>999
MW-15	Jan-04	6.35	22.4	2.20	1.00	NM	NM
	May-05	6.99	25.1	2.33	2.85	164	**
	Sep-05	6.97	25.8	3.57	3.48	-24	36
	Dec-05	6.58	25.9	4.45	1.03	-38	140
	Mar-06	4.70	23.9	6.40	**	613	20
	Jun-06	**	26.0	3.84	4.26	106	300
MW-16	Jan-04	6.97	22.4	2.31	0.68	NM	NM
	May-05	7.12	25.2	2.88	1.10	-4	**
	Sep-05	7.00	24.6	3.42	3.50	-31	520
	Dec-05	6.74	25.3	3.76	1.30	48	>999
	Mar-06	5.15	23.8	5.74	**	162	199
	Jun-06	**	27.1	3.44	5.56	-64	>999

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

Well ID	Sample Date	pH	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Turbidity (ntu)
MW-17*	May-05	6.92	24.1	3.49	5.94	181	22
	Dec-05	6.90	26.8	4.65	2.30	240	6
MW-18*	May-05	7.10	24.3	3.86	5.56	139	>999
	Sep-05	7.10	26.3	4.12	6.21	88	3
	Dec-05	6.79	25.2	4.73	1.98	420	**
	Mar-06	5.17	23.3	6.21	**	237	3
	Jun-06	**	25.4	3.61	6.18	166	304
MW-19	Jan-04	6.99	22.4	1.90	1.02	NM	NM
	May-05	7.13	25.0	1.86	5.76	130	**
	Dec-05	6.64	24.7	4.74	1.95	388	**
	Jun-06	**	27.1	3.69	7.86	86	>999
MW-20	Jan-04	6.94	22.6	2.07	1.11	NM	NM
	May-05	7.16	23.6	1.32	4.97	131	**
	Dec-05	6.76	20.5	4.37	0.77	272	**
	Jun-06	**	28.6	3.82	6.91	70	736
MW-21	Jan-04	6.91	22.3	2.04	1.08	NM	NM
	May-05	7.07	24.6	2.82	2.88	131	**
	Sep-05	7.06	25.8	4.66	4.07	109	39
	Dec-05	6.64	24.3	4.60	0.54	264	>999
	Mar-06	5.52	23.0	3.58	**	309	140
	Jun-06	**	28.5	3.50	4.73	112	>999
MW-22*	May-05	6.79	24.1	3.89	1.68	46	474
	Sep-05	6.90	23.9	4.25	7.16	46	10
	Dec-05	6.42	24.6	4.20	1.31	213	**
	Mar-06	4.79	24.0	6.09	**	269	30
	Jun-06	**	26.4	3.39	5.96	376	287
MW-23*	May-05	7.00	24.5	3.63	2.56	121	**
	Dec-05	6.71	24.9	4.91	2.13	320	**
	Jun-06	**	23.8	3.68	5.77	238	318
MW-24*	May-05	6.97	23.1	3.56	1.48	76	>999
	Sep-05	7.00	25.8	3.83	3.62	5	25
	Dec-05	6.56	25.6	4.46	1.04	183	29
	Mar-06	4.70	22.6	6.02	**	503	1
	Jun-06	**	25.1	3.44	5.11	132	201

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

Well ID	Sample Date	pH	Temperature (°C)	Specific Conductance (mS/cm)	Dissolved Oxygen (mg/L)	Oxidation-Reduction Potential (mV)	Turbidity (ntu)
MW-25*	May-05	7.03	23.6	4.00	4.34	141	>999
	Sep-05	7.01	26.2	4.18	5.10	57	30
	Dec-05	6.63	24.7	5.28	1.35	417	0
	Mar-06	5.15	23.6	6.67	**	255	94
	Jun-06	**	23.5	3.93	5.74	376	228
MW-26	Mar-06	6.83	23.8	3.75	2.59	158	0
	Jun-06	**	24.1	2.32	4.83	305	229
MW-27	Mar-06	6.83	21.9	3.28	2.44	142	0
	Jun-06	**	26.1	3.67	4.57	69	626
Average		6.66	24.7	3.79	3.40	168	242
INTERMEDIATE WELL							
MW-9	Jan-04	6.99	22.6	2.50	1.18	NM	NM
	May-05	7.14	26.1	2.68	7.56	130	296
	Sep-05	7.17	27.1	1.81	6.58	111	4
	Dec-05	6.88	26.6	2.45	2.49	123	33
	Mar-06	5.06	25.9	2.08	**	496	-1
	Jun-06	NM	NM	NM	NM	NM	NM
Average		6.65	25.7	2.30	4.45	121	150

NOTES: * = wells installed in Apr 2005. ** = instrument failure
Monitoring well MW-11 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
SELECTEDVOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichlorothene (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
	Nov 03	-	-	-
	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
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
	Nov 03	-	-	-
	Jan 04	1,700	ND	ND
	May 05	2,050	17	9.7
	Dec 05	2,900	ND	ND
	Jun 06	1,600	ND	ND
MW-3	Oct 00	98	ND	ND
	Sep 02	ND	ND	ND
	May 03	7	ND	ND
	Sep 03	12	ND	ND
	Nov 03	-	-	-
	Jan 04	7	ND	ND
	May 05	ND	ND	ND
	Dec 05	ND	ND	ND
	Jun 06	ND	ND	ND
MW-4	Oct 00	14	ND	ND
	Sep 02	25	ND	ND
	May 03	24	ND	ND
	Sep 03	100	ND	ND
	Nov 03	-	-	-
	Jan 04	220	ND	ND
	May 05	25	ND	ND
	Dec 05	15	ND	ND
	Jun 06	27	ND	ND

TABLE 3
SELECTEDVOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichlorethene (TCE)	cis-1,2-Dichlorethene
MW-5	Oct 00	100	ND	ND
	Sep 02	110	ND	ND
	May 03	240	ND	ND
	Sep 03	220	ND	ND
	Nov 03	-	-	-
	Jan 04	370	ND	ND
	May 05	146	ND	ND
	Dec 05	93	ND	ND
	Jun 06	220	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
	Nov 03	-	-	-
	Jan 04	2,400	ND	ND
	May 05	2,090	13	11
	Sep 05	890	13	23
	Dec 05	530	41	21
	Jun 06	1,100	ND	ND
MW-7	Sep 02	ND	ND	ND
	May 03	1.7	ND	ND
	Sep 03	2.0	ND	ND
	Nov 03	-	-	-
	Jan 04	11.0	ND	ND
	May 05	ND	ND	ND
	Sep 05	3.3	ND	ND
	Dec 05	1.2	ND	ND
	Mar 06	1.5	ND	ND
	Jun 06	2.2	ND	ND
MW-8	Sep 02	5.4	ND	ND
	May 03	3.2	ND	ND
	Sep 03	3.7	ND	ND
	Nov 03	-	-	-
	Jan 04	4.7	ND	ND
	May 05	5.6	5.6	ND
	Dec 05	3.6	ND	ND
	Jun 06	2.6	ND	ND
MW-10	Sep 02	ND	ND	ND
	May 03	ND	ND	ND
	Sep 03	15.0	ND	ND
	Nov 03	-	-	-
	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

TABLE 3
SELECTEDVOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichlorethene
MW-11	Sep 02	ND	ND	ND
	May 03	ND	ND	ND
	Sep 03	NS(1)	NS(1)	NS(1)
	Nov 03	NS(1)	NS(1)	NS(1)
	Jan 04	NS(1)	NS(1)	NS(1)
	May 05	NS(1)	NS(1)	NS(1)
	Dec 05	NS(1)	NS(1)	NS(1)
	Jun 06	NS(1)	NS(1)	NS(1)
MW-12	Sep 02	ND	ND	ND
	May 03	1.3	ND	ND
	Sep 03	14.0	ND	ND
	Nov 03	-	-	-
	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
MW-13	May 03	2,100	ND	ND
	Sep 03	2,800	ND	ND
	Nov 03	-	-	-
	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
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
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
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
MW-17	May 05	520	ND	ND
	Dec 05	470	ND	ND
	Jun 06	NS	NS	NS

TABLE 3
SELECTEDVOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichloroethene
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
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
	Jun 06	910	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
	Jun 06	2,100	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
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
MW-23	May 05	1,430	ND	ND
	Dec 05	1,900	ND	ND
	Jun 06	1,500	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
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
MW-26	Mar 06	730	ND	ND
	Jun 06	770	ND	ND
MW-27	Mar 06	220	ND	ND
	Jun 06	350	ND	ND

TABLE 3
SELECTEDVOC CONCENTRATIONS IN MONITORING WELLS
Maryland Square Shopping Center

Well ID	Sample Date	Concentration (in ug/L)		
		perchloroethylene (PCE)	trichloroethene (TCE)	cis-1,2-Dichloroethene
INTERMEDIATE WELL				
MW-9	Sep 02	670.0	ND	ND
	May 03	59.0	ND	ND
	Sep 03	9.2	ND	ND
	Nov 03	-	-	-
	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

NOTES: ND = None Detected. NS = Not Sampled. ' - ' cells indicate no data available.
(1) = Monitoring Well MW-11 was not sampled due to detection of floating hydrocarbons in the well.
ug/L = micrograms per liter.
PCE is perchloroethylene (tetrachloroethene). The Maximum Contaminant Level for PCE in drinking water is 5 ug/L.

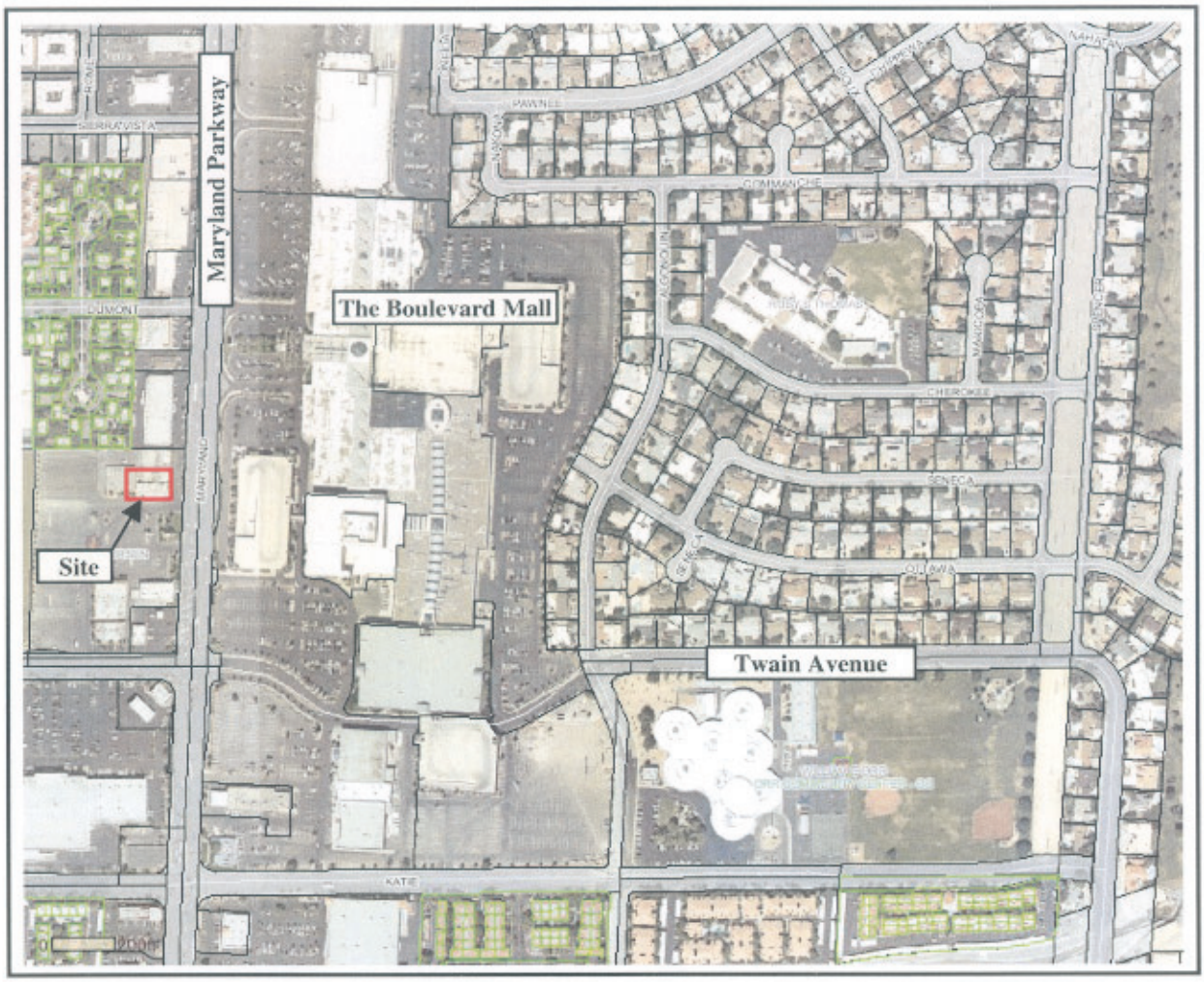
TABLE 4
SUMMARY OF OTHER ANALYTICAL DATA
Maryland Square Shopping Center

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	3.70	0.057	180	8.8	1,800	230	6.0
	Dec 05	5.00	0.027	200	8.1	1,800	190	1.7
	Mar-06	24.00	0.230	170	8.4	1,600	250	3.8
	Jun-06	NS	NS	NS	NS	NS	NS	NS
MW-6	May 05	ND	0.040	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	19.00	0.690	170	6.1	1,700	260	3.6
	Dec 05	7.00	0.110	190	5.9	1,600	220	1.6
	Mar-06	7.70	0.200	240	7.0	1,500	220	1.7
	Jun-06	15.00	0.490	190	7.9	1,600	230	1.7
MW-18	Sep 05	0.92	0.020	160	5.4	1,800	240	3.3
	Dec 05	3.70	0.015	180	4.7	1,600	200	1.4
	Mar-06	2.60	0.012	150	5.4	1,500	220	1.4
	Jun-06	1.90	ND	200	5.8	1,900	220	1.4
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	1.20	0.020	170	4.5	1,900	300	4.4
	Dec 05	3.00	ND	190	4.5	1,900	230	1.3
	Mar-06	3.40	0.018	160	5.2	1,600	240	2.0
	Jun-06	2.10	0.006	220	5.7	1,900	230	1.9
Average		8.23	0.172	188	7	1,678	201	2.8
INTERMEDIATE WELL								
MW-9	May 05	ND	ND	110	5.2	1,094	ND	2.1

NOTES: ND is none detected. Empty cells indicate no sampling data available.
mg/L is milligrams per liter.
Total iron and manganese are total dissolved values as the samples were field filtered.
Empty cells indicate no sampling data available.
Shallow wells are approximately 25 ft deep; Intermediate wells are 30-40 ft deep.

FIGURES

FIGURES



Source: Clark County Assessors Web Site
Scale: |——| 200 feet

N

SITE LOCATION MAP

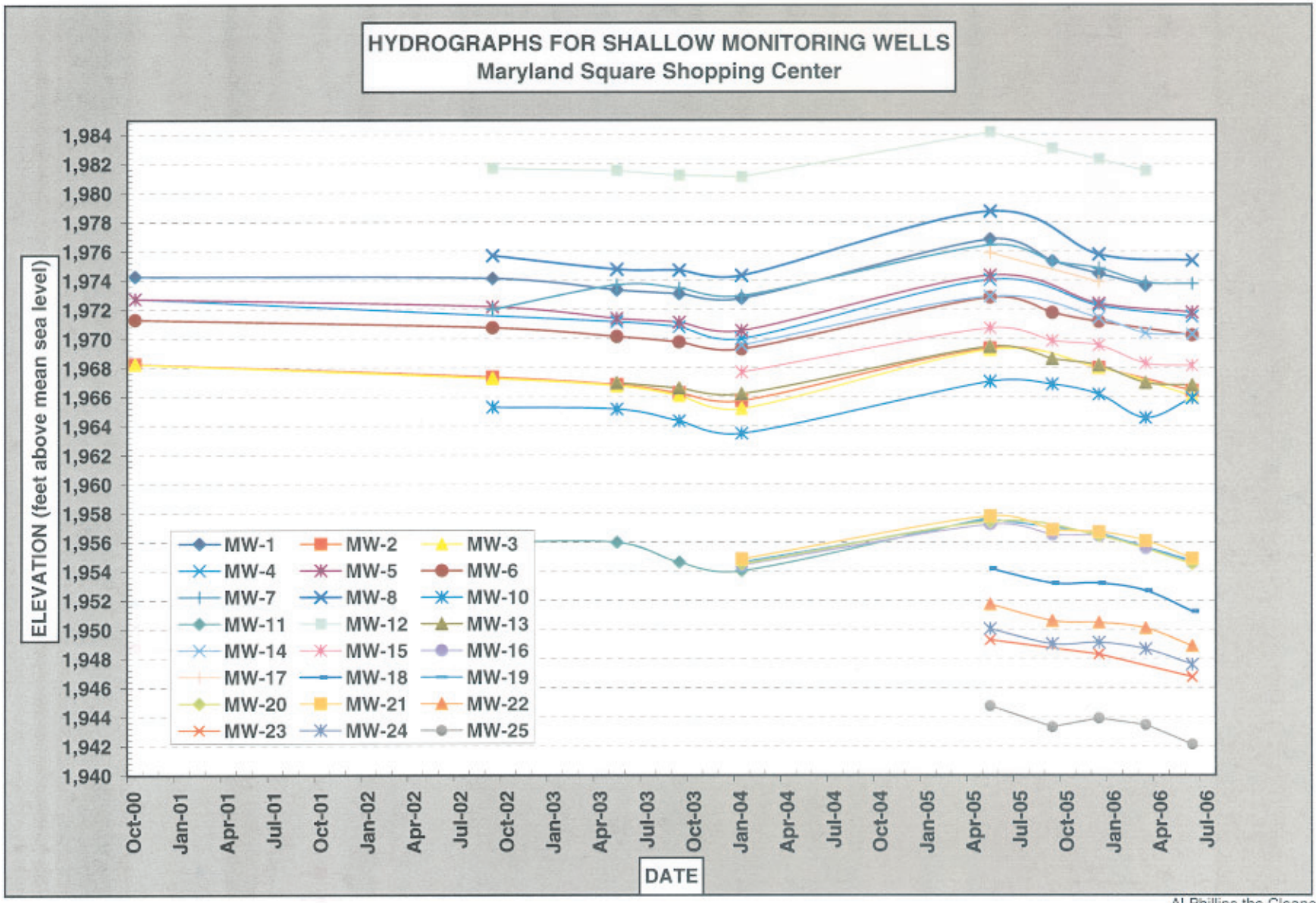
Al Phillips The Cleaner
Quarterly Groundwater Sampling
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

URS

March 2006
Job No. 26698724
MS Mar 06 Fig 1.ppt

FIGURE 1

FIGURE 2



URS Corporation
Job No. 26698724
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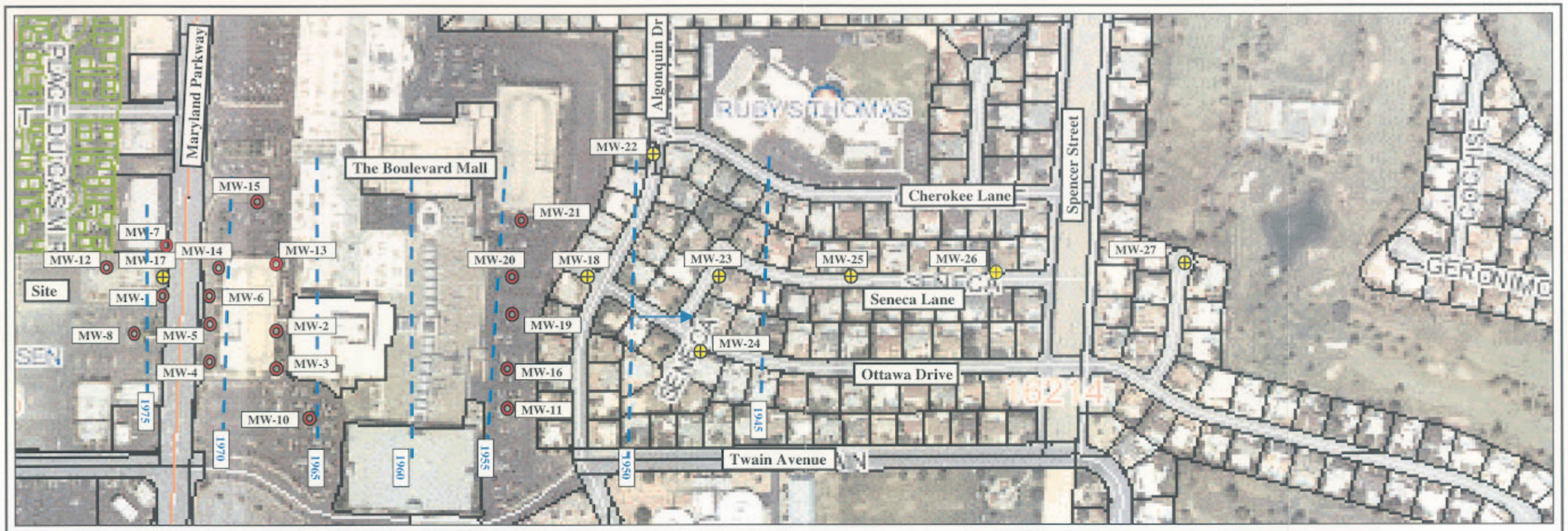
Al Phillips the Cleaner
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, NV

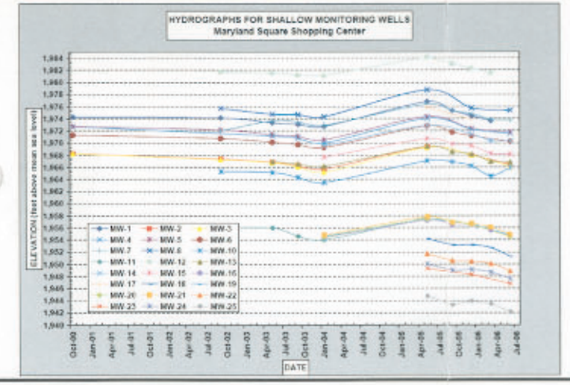


Groundwater Elevations In Monitoring Wells (June 2006)

Well	Elevation	Well	Elevation	Well	Elevation
MW-1	NM	MW-12	NM	MW-22	1948.85
MW-2	1966.42	MW-13	1966.80	MW-23	1946.72
MW-3	1966.05	MW-14	1970.28	MW-24	1947.58
MW-4	1971.49	MW-15	1968.13	MW-25	1942.10
MW-5	1971.78	MW-16	1954.58	MW-26	**
MW-6	1970.21	MW-17	NM	MW-27	**
MW-7	1973.75	MW-18	1951.23	Intermediate Well	
MW-8	1975.34	MW-19	1954.71	Well	Elevation
MW-10	1965.90	MW-20	1954.51	MW-9	NM
MW-11	NM	MW-21	1954.51		

Elevations are feet above means sea level. NM = Not Measured. ** = Installed in March 2006, not yet surveyed.

1971
1946
25
1900



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

URS

N

Legend:

- Approximate Location of Monitoring Well Installed by URS.
- Approximate Location of Monitoring Well Installed by Converse.
- Groundwater Elevation Contour Line
- Approximate Direction of Groundwater Flow

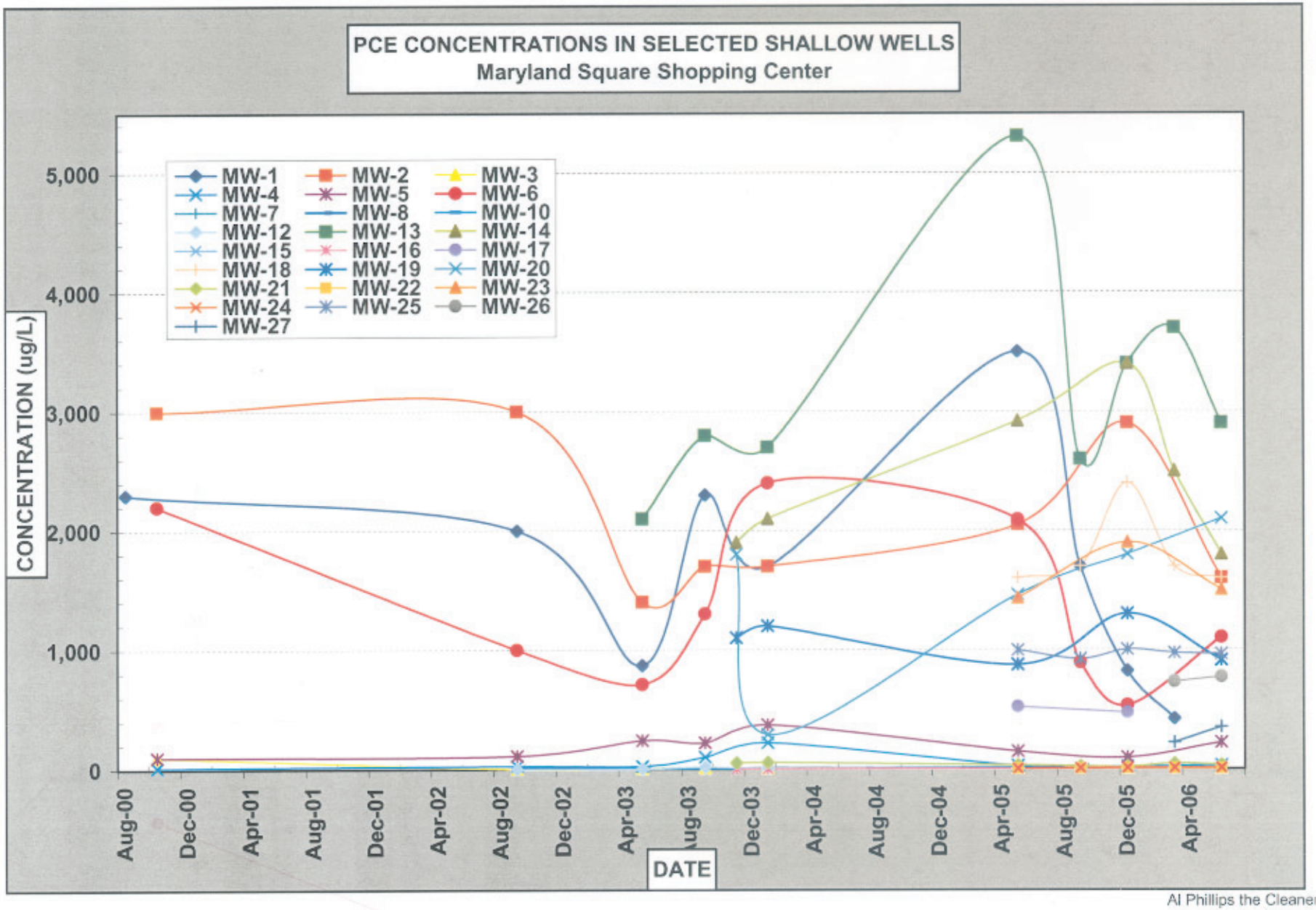
GROUNDWATER ELEVATION CONTOURS FOR SHALLOW WELLS

June 2006
Al Phillips The Cleaner
Quarterly Groundwater Sampling
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

June 2006
Job No. 26698724
MS June 06 Fig3.ppt

FIGURE 3

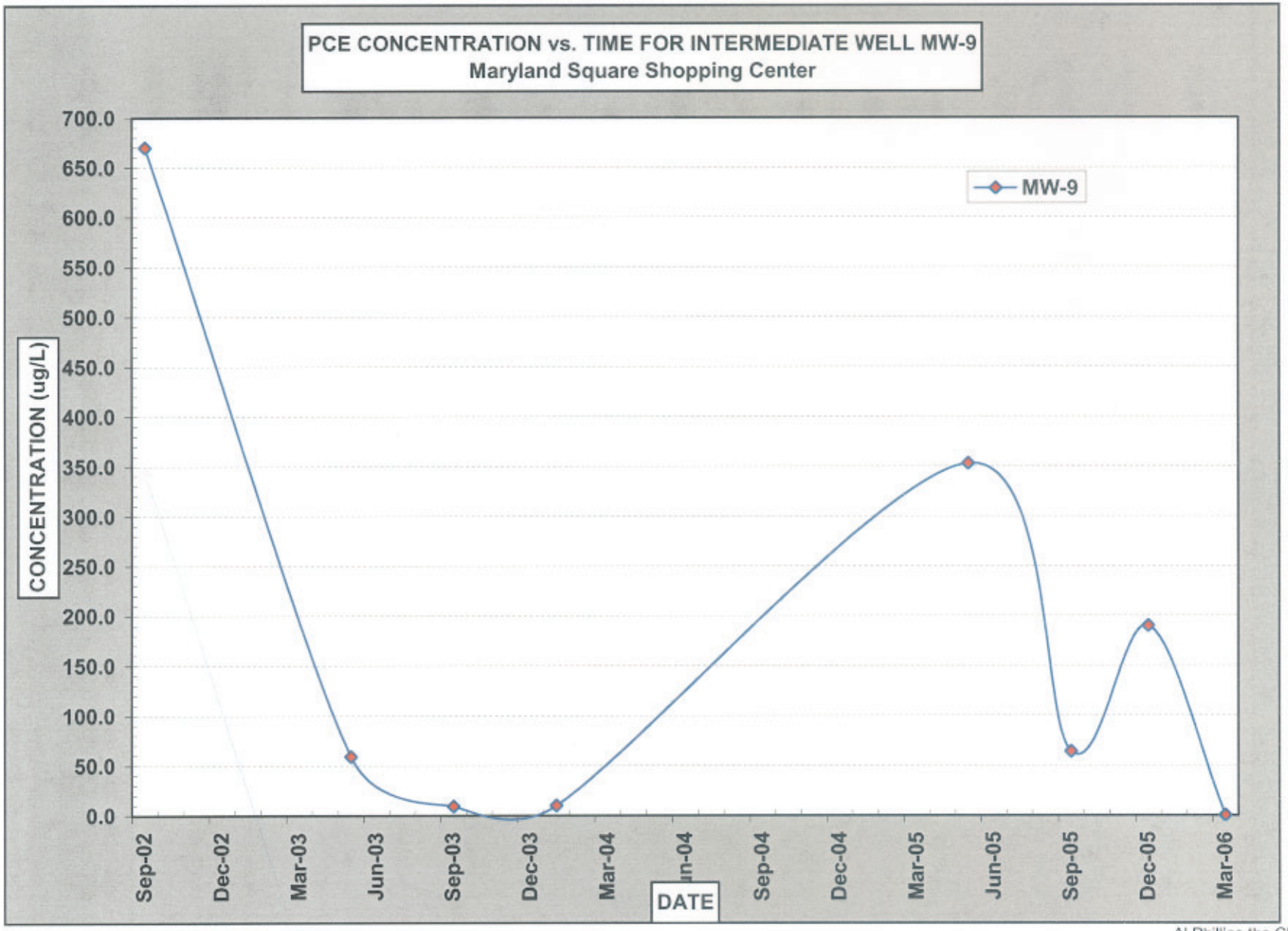
FIGURE 4A



URS Corporation
Job No. 26698724
p:\al phillips\maryland square\ms june 2006\ms june 06 tbl-3 fig 4A

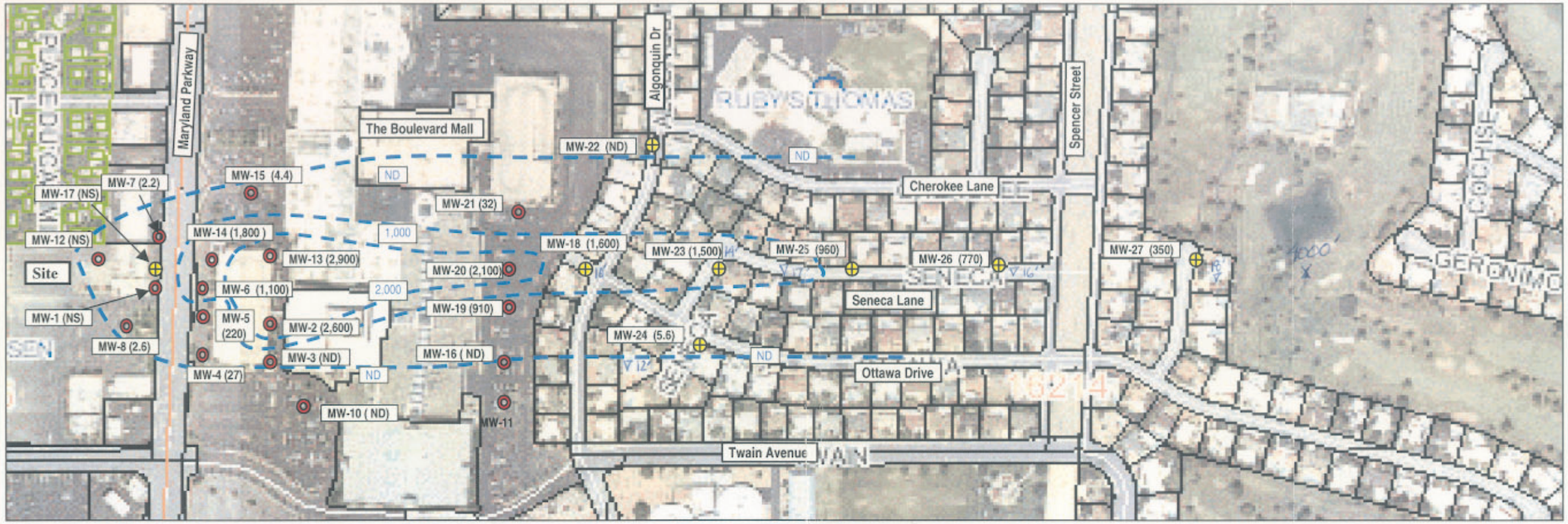
Al Phillips the Cleaner
Maryland Square Shopping Center
3661 S. Maryland Parkway
Las Vegas, NV

FIGURE 4B



URS Corporation
Job No. 26698724
p:\alphillips\maryland square\ms june 2006 report\ms june 06 tbl-3 fig 4ab.xls

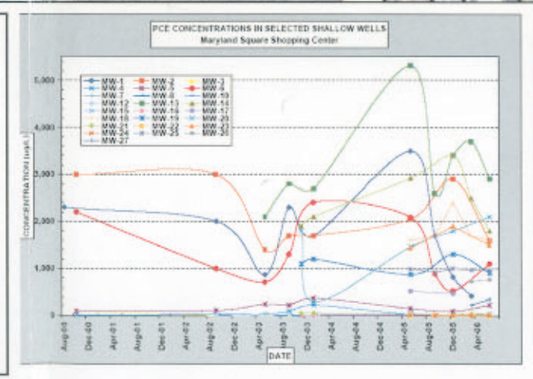
Al Phillips the Cleaner
Maryland Square Shopping Center
3661 S. Maryland Parkway
Las Vegas, NV

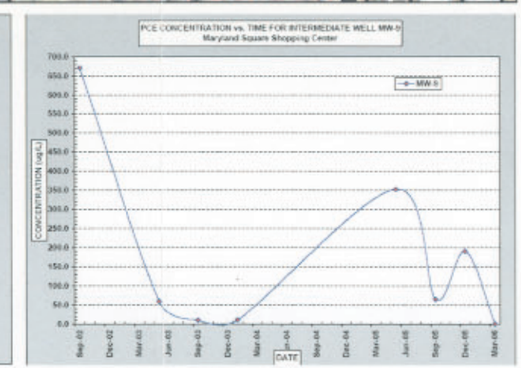


Concentrations of PCE in Monitoring Wells (June 2006)

Well	Concentration	Well	Concentration	Well	Concentration
MW-1	NS	MW-12	NS	MW-22	ND
MW-2	2,600	MW-13	2,900	MW-23	1,500
MW-3	ND	MW-14	1,800	MW-24	5.6
MW-4	27	MW-15	4.4	MW-25	960
MW-5	220	MW-16	ND	MW-26	770
MW-6	1,100	MW-17	NS	MW-27	350
MW-7	2.2	MW-18	1,600	Intermediate Well	
MW-8	2.6	MW-19	910	Well	Concentration
MW-10	ND	MW-20	2,100	MW-9	NS
MW-11	NS	MW-21	32		

Concentrations are in micrograms per liter (ug/L). Federal MCL for PCE in drinking water is 5 ug/L. NM = Not Measured, ND = non-detect.





Source: Clark County Assessors Web Site
Scale: 0Feet ├──┤ 200 Feet

Legend:

- Approximate Location of Monitoring Well Installed by URS.
- Approximate Location of Monitoring Well Installed by Converse.
- (25) Concentration of PCE Detected in Groundwater Form Monitoring Well (in ug/L)
- Approximate Concentration Contour of PCE in Groundwater

ND is Non-detect, NS is Not Sampled

URS

N

SHALLOW MONITORING WELL PCE CONCENTRATIONS AND CONTOURS

June 2006
Al Phillips The Cleaner
Quarterly Groundwater Sampling
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

June 2006
Job No. 26698724
MS June 06 Fig5.ppt

FIGURE 5

APPENDIX

Laboratory Reports and Chain-of-Custody Forms

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 : URS06062803

Report Due By : 5:00 PM On : 06-Jul-06

Client:
URS Corporation
7180 Pollock Drive #200

Las Vegas, NV 89119

Randy S. Kyes
TEL : (702) 951-3379 x
FAX : (702) 837-1600
EMail kyes_randy@urscorp.com

EDD Required : No

Sampled by : R.S. Kyes

Report Attention : Randy S. Kyes
CC Report :

Job : 26698724
PO : AP-Maryland
Client's COC # : 12472

Cooler Temp	Samples Received	Date Printed
4 °C	28-Jun-06	28-Jun-06

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests VOC_W								Sample Remarks
URS06062803-01A	MW-10	AQ	06/27/06 06:50	3	0	5		8260_N								
URS06062803-02A	MW-3	AQ	06/27/06 07:20	3	0	5		8260_N								
URS06062803-03A	MW-16	AQ	06/27/06 07:40	3	0	5		8260_N								
URS06062803-04A	MW-7	AQ	06/27/06 08:10	3	0	5		8260_N								
URS06062803-05A	MW-8	AQ	06/27/06 08:35	3	0	5		8260_N								
URS06062803-06A	MW-22	AQ	06/27/06 09:00	3	0	5		8260_N								
URS06062803-07A	MW-24	AQ	06/27/06 09:25	3	0	5		8260_N								
URS06062803-08A	MW-15	AQ	06/27/06 09:55	3	0	5		8260_N								
URS06062803-09A	MW-4	AQ	06/27/06 10:30	3	0	5		8260_N								
URS06062803-10A	MW-5	AQ	06/27/06 11:00	3	0	5		8260_N								

Comments: Security seals intact. Frozen ice. One day added to TAT due to holiday. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Elizabeth Sauvageau	Elizabeth Sauvageau	Alpha Analytical, Inc.	6-28-06 1051

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 :

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 : URS06062803

Report Due By : 5:00 PM On : 06-Jul-06

Client:
URS Corporation
7180 Pollock Drive #200

Las Vegas, NV 89119

Randy S. Kyes
TEL : (702) 951-3379 x
FAX : (702) 837-1600
EMail kyes_randy@urscorp.com

EDD Required : No

Sampled by : R.S. Kyes

Report Attention : Randy S. Kyes
CC Report :

Job : 26698724
PO : AP-Maryland
Client's COC # : 12472

Cooler Temp	Samples Received	Date Printed
4 °C	28-Jun-06	28-Jun-06

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests VOC_W								Sample Remarks
URS06062803-11A	MW-21	AQ	06/27/06 11:30	3	0	5		8260_N								
URS06062803-12A	MW-27	AQ	06/27/06 12:30	3	0	5		8260_N								

Comments: Security seals intact. Frozen ice. One day added to TAT due to holiday. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Elizabeth Sauvageau	Elizabeth Sauvageau	Alpha Analytical, Inc.	6-28-06 1051

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

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
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-01A
Client I.D. Number: MW-10

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 07/03/06

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	ND	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	ND	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		%REC
61	Surr: Toluene-d8	99		%REC
62	Surr: 4-Bromofluorobenzene	94		%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) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

7/5/06
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
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-02A
Client I.D. Number: MW-3

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

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	2.4	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	ND	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	80		%REC
61	Surr: Toluene-d8	108		%REC
62	Surr: 4-Bromofluorobenzene	107		%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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Report Date

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ANALYTICAL REPORT

URS Corporation
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-03A
Client I.D. Number: MW-16

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

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	ND	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	ND	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	85		%REC
61	Surr: Toluene-d8	104		%REC
62	Surr: 4-Bromofluorobenzene	104		%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) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

7/5/06
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
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-04A
Client I.D. Number: MW-7

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

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	1.5	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	2.2	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	83		%REC
61	Surr: Toluene-d8	106		%REC
62	Surr: 4-Bromofluorobenzene	105		%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
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7/5/06
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
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-05A
Client I.D. Number: MW-8

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

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	3.0	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	2.6	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	85		%REC
61	Surr: Toluene-d8	107		%REC
62	Surr: 4-Bromofluorobenzene	109		%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

URS Corporation
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-06A
Client I.D. Number: MW-22

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

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	ND	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	1.7	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	ND	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	85		%REC
61	Surr: Toluene-d8	106		%REC
62	Surr: 4-Bromofluorobenzene	109		%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
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7/5/06
Report Date

Alpha Analytical, Inc.

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

ANALYTICAL REPORT

URS Corporation
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-07A
Client I.D. Number: MW-24

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

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	ND	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	5.6	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	84		%REC
61	Surr: Toluene-d8	105		%REC
62	Surr: 4-Bromofluorobenzene	107		%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
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ANALYTICAL REPORT

URS Corporation
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-08A
Client I.D. Number: MW-15

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

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	1.0	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	4.4	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	86		%REC
61	Surr: Toluene-d8	108		%REC
62	Surr: 4-Bromofluorobenzene	109		%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) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

7/5/06
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
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-09A
Client I.D. Number: MW-4

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

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	3.9	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	1.3	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	27	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	85		%REC
61	Surr: Toluene-d8	103		%REC
62	Surr: 4-Bromofluorobenzene	106		%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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Report Date

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ANALYTICAL REPORT

URS Corporation
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-10A
Client I.D. Number: MW-5

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	2.0	µg/L
2	Chloromethane	ND	8.0	µg/L
3	Vinyl chloride	ND	2.0	µg/L
4	Chloroethane	ND	2.0	µg/L
5	Bromomethane	ND	8.0	µg/L
6	Trichlorofluoromethane	ND	2.0	µg/L
7	1,1-Dichloroethene	ND	2.0	µg/L
8	Dichloromethane	ND	8.0	µg/L
9	trans-1,2-Dichloroethene	ND	2.0	µg/L
10	1,1-Dichloroethane	ND	2.0	µg/L
11	cis-1,2-Dichloroethene	ND	2.0	µg/L
12	Bromochloromethane	ND	2.0	µg/L
13	Chloroform	4.6	2.0	µg/L
14	2,2-Dichloropropane	ND	2.0	µg/L
15	1,2-Dichloroethane	ND	2.0	µg/L
16	1,1,1-Trichloroethane	ND	2.0	µg/L
17	1,1-Dichloropropene	ND	2.0	µg/L
18	Carbon tetrachloride	ND	2.0	µg/L
19	Benzene	ND	1.0	µg/L
20	Dibromomethane	ND	2.0	µg/L
21	1,2-Dichloropropane	ND	2.0	µg/L
22	Trichloroethene	ND	2.0	µg/L
23	Bromodichloromethane	ND	2.0	µg/L
24	cis-1,3-Dichloropropene	ND	2.0	µg/L
25	trans-1,3-Dichloropropene	ND	2.0	µg/L
26	1,1,2-Trichloroethane	ND	2.0	µg/L
27	Toluene	ND	1.0	µg/L
28	1,3-Dichloropropane	ND	2.0	µg/L
29	Dibromochloromethane	ND	2.0	µg/L
30	1,2-Dibromoethane (EDB)	ND	8.0	µg/L
31	Tetrachloroethene	220	2.0	µg/L
32	1,1,1,2-Tetrachloroethane	ND	2.0	µg/L
33	Chlorobenzene	ND	2.0	µg/L
34	Ethylbenzene	ND	1.0	µg/L
35	m,p-Xylene	ND	1.0	µg/L
36	Bromoform	ND	2.0	µg/L
37	Styrene	ND	2.0	µg/L
38	o-Xylene	ND	1.0	µg/L
39	1,1,2,2-Tetrachloroethane	ND	2.0	µg/L
40	1,2,3-Trichloropropane	ND	8.0	µg/L
41	Isopropylbenzene	ND	2.0	µg/L
42	Bromobenzene	ND	2.0	µg/L
43	n-Propylbenzene	ND	2.0	µg/L
44	4-Chlorotoluene	ND	2.0	µg/L
45	2-Chlorotoluene	ND	2.0	µg/L
46	1,3,5-Trimethylbenzene	ND	2.0	µg/L
47	tert-Butylbenzene	ND	2.0	µg/L
48	1,2,4-Trimethylbenzene	ND	2.0	µg/L
49	sec-Butylbenzene	ND	2.0	µg/L
50	1,3-Dichlorobenzene	ND	2.0	µg/L
51	1,4-Dichlorobenzene	ND	2.0	µg/L
52	4-Isopropyltoluene	ND	2.0	µg/L
53	1,2-Dichlorobenzene	ND	2.0	µg/L
54	n-Butylbenzene	ND	2.0	µg/L
55	1,2-Dibromo-3-chloropropane (DBCP)	ND	12	µg/L
56	1,2,4-Trichlorobenzene	ND	8.0	µg/L
57	Naphthalene	ND	8.0	µg/L
58	Hexachlorobutadiene	ND	8.0	µg/L
59	1,2,3-Trichlorobenzene	ND	8.0	µg/L
60	Surr: 1,2-Dichloroethane-d4	87		%REC
61	Surr: Toluene-d8	99		%REC
62	Surr: 4-Bromofluorobenzene	110		%REC

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

ANALYTICAL REPORT

URS Corporation
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-11A
Client I.D. Number: MW-21

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

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	ND	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	32	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	86		%REC
61	Surr: Toluene-d8	103		%REC
62	Surr: 4-Bromofluorobenzene	108		%REC

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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ANALYTICAL REPORT

URS Corporation
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06062803-12A
Client I.D. Number: MW-27

Sampled: 06/27/06
Received: 06/28/06
Analyzed: 06/30/06

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	5.0	µg/L
2	Chloromethane	ND	20	µg/L
3	Vinyl chloride	ND	5.0	µg/L
4	Chloroethane	ND	5.0	µg/L
5	Bromomethane	ND	20	µg/L
6	Trichlorofluoromethane	ND	5.0	µg/L
7	1,1-Dichloroethene	ND	5.0	µg/L
8	Dichloromethane	ND	20	µg/L
9	trans-1,2-Dichloroethene	ND	5.0	µg/L
10	1,1-Dichloroethane	ND	5.0	µg/L
11	cis-1,2-Dichloroethene	ND	5.0	µg/L
12	Bromochloromethane	ND	5.0	µg/L
13	Chloroform	11	5.0	µg/L
14	2,2-Dichloropropane	ND	5.0	µg/L
15	1,2-Dichloroethane	ND	5.0	µg/L
16	1,1,1-Trichloroethane	ND	5.0	µg/L
17	1,1-Dichloropropene	ND	5.0	µg/L
18	Carbon tetrachloride	ND	5.0	µg/L
19	Benzene	ND	2.5	µg/L
20	Dibromomethane	ND	5.0	µg/L
21	1,2-Dichloropropane	ND	5.0	µg/L
22	Trichloroethene	ND	5.0	µg/L
23	Bromodichloromethane	ND	5.0	µg/L
24	cis-1,3-Dichloropropene	ND	5.0	µg/L
25	trans-1,3-Dichloropropene	ND	5.0	µg/L
26	1,1,2-Trichloroethane	ND	5.0	µg/L
27	Toluene	ND	2.5	µg/L
28	1,3-Dichloropropane	ND	5.0	µg/L
29	Dibromochloromethane	ND	5.0	µg/L
30	1,2-Dibromoethane (EDB)	ND	20	µg/L
31	Tetrachloroethene	350	5.0	µg/L
32	1,1,1,2-Tetrachloroethane	ND	5.0	µg/L
33	Chlorobenzene	ND	5.0	µg/L
34	Ethylbenzene	ND	2.5	µg/L
35	m,p-Xylene	ND	2.5	µg/L
36	Bromoform	ND	5.0	µg/L
37	Styrene	ND	5.0	µg/L
38	o-Xylene	ND	2.5	µg/L
39	1,1,2,2-Tetrachloroethane	ND	5.0	µg/L
40	1,2,3-Trichloropropane	ND	20	µg/L
41	Isopropylbenzene	ND	5.0	µg/L
42	Bromobenzene	ND	5.0	µg/L
43	n-Propylbenzene	ND	5.0	µg/L
44	4-Chlorotoluene	ND	5.0	µg/L
45	2-Chlorotoluene	ND	5.0	µg/L
46	1,3,5-Trimethylbenzene	ND	5.0	µg/L
47	tert-Butylbenzene	ND	5.0	µg/L
48	1,2,4-Trimethylbenzene	ND	5.0	µg/L
49	sec-Butylbenzene	ND	5.0	µg/L
50	1,3-Dichlorobenzene	ND	5.0	µg/L
51	1,4-Dichlorobenzene	ND	5.0	µg/L
52	4-Isopropyltoluene	ND	5.0	µg/L
53	1,2-Dichlorobenzene	ND	5.0	µg/L
54	n-Butylbenzene	ND	5.0	µg/L
55	1,2-Dibromo-3-chloropropane (DBCP)	ND	30	µg/L
56	1,2,4-Trichlorobenzene	ND	20	µg/L
57	Naphthalene	ND	20	µg/L
58	Hexachlorobutadiene	ND	20	µg/L
59	1,2,3-Trichlorobenzene	ND	20	µg/L
60	Surr: 1,2-Dichloroethane-d4	88		%REC
61	Surr: Toluene-d8	101		%REC
62	Surr: 4-Bromofluorobenzene	109		%REC

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

ND = Not Detected

Roger Scholl Randy Gardner Walter Hinchman

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Report Date

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

VOC Sample Preservation Report

Work Order: URS06062803 **Project:** 26698724

Alpha's Sample ID	Client's Sample ID	Matrix	pH
06062803-01A	MW-10	Aqueous	2
06062803-02A	MW-3	Aqueous	2
06062803-03A	MW-16	Aqueous	6
06062803-04A	MW-7	Aqueous	6
06062803-05A	MW-8	Aqueous	6
06062803-06A	MW-22	Aqueous	2
06062803-07A	MW-24	Aqueous	2
06062803-08A	MW-15	Aqueous	2
06062803-09A	MW-4	Aqueous	2
06062803-10A	MW-5	Aqueous	2
06062803-11A	MW-21	Aqueous	6
06062803-12A	MW-27	Aqueous	2

7/5/06
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: *06-Jul-06*

QC Summary Report

Work Order: 06062803

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

File ID: **D:\MSDCHEM\MS12\DATA\060703\06070307.D** Batch ID: **MS12W0703A** Analysis Date: **07/03/2006 11:32**

Sample ID: **MBLK MS12W0703A** Units : **µg/L** Run ID: **MSD_12_060703A** Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	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	9.6		10		96	76	127			
Surr: Toluene-d8	10.1		10		101	84	113			
Surr: 4-Bromofluorobenzene	9.73		10		97	79	119			

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

Date: *06-Jul-06*

QC Summary Report

Work Order: 06062803

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8260B**
File ID: **D:\MSDCHEM\MS12\DATA\060703\06070304.D** Batch ID: **MS12W0703A** Analysis Date: **07/03/2006 10:30**
Sample ID: **LCS MS12W0703A** Units : **µg/L** Run ID: **MSD_12_060703A** Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.73	1	10		97	80	120			
Benzene	9.76	0.5	10		98	81	122			
Trichloroethene	10.5	1	10		105	74	125			
Toluene	10.4	0.5	10		104	80	120			
Chlorobenzene	9.62	1	10		96	79	124			
Ethylbenzene	11	0.5	10		110	80	120			
m,p-Xylene	11.1	0.5	10		111	80	129			
o-Xylene	10.7	0.5	10		107	80	129			
Surr: 1,2-Dichloroethane-d4	10		10		100	76	127			
Surr: Toluene-d8	10.1		10		101	84	113			
Surr: 4-Bromofluorobenzene	9.81		10		98	79	119			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8260B**
File ID: **D:\MSDCHEM\MS12\DATA\060703\06070308.D** Batch ID: **MS12W0703A** Analysis Date: **07/03/2006 11:53**
Sample ID: **06062601-11AMS** Units : **µg/L** Run ID: **MSD_12_060703A** Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	43.4	2.5	50	0	87	65	127			
Benzene	42.8	1.3	50	0	86	74	125			
Trichloroethene	44.2	2.5	50	0	88	66	126			
Toluene	46.4	1.3	50	0	93	76	120			
Chlorobenzene	42.5	2.5	50	0	85	76	124			
Ethylbenzene	48.5	1.3	50	0	97	77	124			
m,p-Xylene	48.5	1.3	50	0	97	73	130			
o-Xylene	47.1	1.3	50	0	94	74	131			
Surr: 1,2-Dichloroethane-d4	48.9		50		98	76	127			
Surr: Toluene-d8	50.6		50		101	84	113			
Surr: 4-Bromofluorobenzene	49.7		50		99	79	119			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8260B**
File ID: **D:\MSDCHEM\MS12\DATA\060703\06070309.D** Batch ID: **MS12W0703A** Analysis Date: **07/03/2006 12:15**
Sample ID: **06062601-11AMSD** Units : **µg/L** Run ID: **MSD_12_060703A** Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	48.6	2.5	50	0	97	65	127	43.42	11.2(17)	
Benzene	47.4	1.3	50	0	95	74	125	42.78	10.2(13)	
Trichloroethene	49.6	2.5	50	0	99	66	126	44.19	11.5(13)	
Toluene	51.1	1.3	50	0	102	76	120	46.35	9.7(13)	
Chlorobenzene	47.3	2.5	50	0	95	76	124	42.45	10.7(12)	
Ethylbenzene	53.8	1.3	50	0	108	77	124	48.46	10.4(13)	
m,p-Xylene	54.3	1.3	50	0	109	73	130	48.51	11.3(14)	
o-Xylene	52.3	1.3	50	0	105	74	131	47.05	10.5(13)	
Surr: 1,2-Dichloroethane-d4	49.5		50		99	76	127			
Surr: Toluene-d8	51.5		50		103	84	113			
Surr: 4-Bromofluorobenzene	49		50		98	79	119			

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 : URS06063023

Report Due By : 5:00 PM On : 10-Jul-06

Client:
URS Corporation
7180 Pollock Drive #200

Las Vegas, NV 89119

Randy S. Kyes
TEL : (702) 951-3379 x
FAX : (702) 837-1600
EMail : kyes_randy@urscorp.com

EDD Required : No

Sampled by : RS Kyes

Report Attention : Randy S. Kyes
CC Report :

Job : 26698724
PO : AP Maryland
Client's COC # : 12488

Cooler Temp	Samples Received	Date Printed
4 °C	30-Jun-06	30-Jun-06

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

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests: ALKALINITY_W	ANIONS(A)_W	ANIONS(B)_W	ANIONS(C)_W	METALS_DW	TOC_W	VOC_W		Sample Remarks
URS06063023-01A	MW-2	AQ	06/29/06 06:45	3	0	5								8260_N		
URS06063023-02A	MW-13	AQ	06/29/06 07:30	7	0	5		Alk	NO3,SO4,Cl	NO3,SO4,Cl	NO3,SO4,Cl	Metals Fe,Mn	TOC	8260_N		
URS06063023-03A	MW-14	AQ	06/29/06 08:05	3	0	5								8260_N		

Comments: Security seals intact. Frozen ice. 1 day added to TAT due to holiday. :

	Signature	Print Name	Company	Date/Time
Logged in by:	Tasha Pascal	Tasha Pascal	Alpha Analytical, Inc.	6/30/06 10:00

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 Corp
Address 7180 Pollock Drive, Ste 200
City, State, Zip LV NV 89119
Phone Number 702-837 1500 Fax 702 837 1600

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

Samples Select from Each State?
AZ ___ CA ___ NV X WA ___
ID ___ OR ___ OTHER ___

Page # ___ of ___

Analyses Required

12488

Client Name
Address Same
City, State, Zip
P.O. # AP-Maryland
Job # 26698724
EMail Address randy-kyes@urscorp.com
Phone # —
Fax # —
Report Attention RS Kyes
Sampled by RS Kyes

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

Time Sampled	Date Sampled	Matrix* See Key Below	Office Use Only Lab ID Number	Sample Description	TAT	Field Filtered	Total and type of containers ** See below	8260B VOC	415.1 TOC	300.0 N/S/Cl	310 Alk	200.8 Fe/Mn				REMARKS
0645	06/29	AQ	URS06063023-01	MW-2			3VOA	X								
0730			-02	MW-13			3VOA	X								
							1s Glass		X							
							1P			X						
							1P				X					
							1P					X				
			X	X												
0805			-03	MW-14			3VOA	X								

ADDITIONAL INSTRUCTIONS:
Standard

	Signature	Print Name	Company	Date	Time
Relinquished by	[signature]	Randy S. Kyes	URS	6-29-06	10:25
Received by	[signature]	V. Smith	Alpha	6-29-06	10:25
Relinquished by	[signature]	V. Smith	Alpha	6-29-06	4:30
Received by	Tasha Pascal	Tasha Pascal	Alpha	6/30/06	10:00
Relinquished by					
Received by					

*Key: AQ - Aqueous SO - Soil WA - Waste OT - Other **: 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
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06063023-01A
Client I.D. Number: MW-2

Sampled: 06/29/06
Received: 06/30/06
Analyzed: 07/06/06

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	20	µg/L
2	Chloromethane	ND	80	µg/L
3	Vinyl chloride	ND	20	µg/L
4	Chloroethane	ND	20	µg/L
5	Bromomethane	ND	80	µg/L
6	Trichlorofluoromethane	ND	20	µg/L
7	1,1-Dichloroethene	ND	20	µg/L
8	Dichloromethane	ND	80	µg/L
9	trans-1,2-Dichloroethene	ND	20	µg/L
10	1,1-Dichloroethane	ND	20	µg/L
11	cis-1,2-Dichloroethene	ND	20	µg/L
12	Bromochloromethane	ND	20	µg/L
13	Chloroform	ND	20	µg/L
14	2,2-Dichloropropane	ND	20	µg/L
15	1,2-Dichloroethane	ND	20	µg/L
16	1,1,1-Trichloroethane	ND	20	µg/L
17	1,1-Dichloropropene	ND	20	µg/L
18	Carbon tetrachloride	ND	20	µg/L
19	Benzene	ND	10	µg/L
20	Dibromomethane	ND	20	µg/L
21	1,2-Dichloropropane	ND	20	µg/L
22	Trichloroethene	ND	20	µg/L
23	Bromodichloromethane	ND	20	µg/L
24	cis-1,3-Dichloropropene	ND	20	µg/L
25	trans-1,3-Dichloropropene	ND	20	µg/L
26	1,1,2-Trichloroethane	ND	20	µg/L
27	Toluene	ND	10	µg/L
28	1,3-Dichloropropane	ND	20	µg/L
29	Dibromochloromethane	ND	20	µg/L
30	1,2-Dibromoethane (EDB)	ND	80	µg/L
31	Tetrachloroethene	1,600	20	µg/L
32	1,1,1,2-Tetrachloroethane	ND	20	µg/L
33	Chlorobenzene	ND	20	µg/L
34	Ethylbenzene	ND	10	µg/L
35	m,p-Xylene	ND	10	µg/L
36	Bromoform	ND	20	µg/L
37	Styrene	ND	20	µg/L
38	o-Xylene	ND	10	µg/L
39	1,1,2,2-Tetrachloroethane	ND	20	µg/L
40	1,2,3-Trichloropropane	ND	80	µg/L
41	Isopropylbenzene	ND	20	µg/L
42	Bromobenzene	ND	20	µg/L
43	n-Propylbenzene	ND	20	µg/L
44	4-Chlorotoluene	ND	20	µg/L
45	2-Chlorotoluene	ND	20	µg/L
46	1,3,5-Trimethylbenzene	ND	20	µg/L
47	tert-Butylbenzene	ND	20	µg/L
48	1,2,4-Trimethylbenzene	ND	20	µg/L
49	sec-Butylbenzene	ND	20	µg/L
50	1,3-Dichlorobenzene	ND	20	µg/L
51	1,4-Dichlorobenzene	ND	20	µg/L
52	4-Isopropyltoluene	ND	20	µg/L
53	1,2-Dichlorobenzene	ND	20	µg/L
54	n-Butylbenzene	ND	20	µg/L
55	1,2-Dibromo-3-chloropropane (DBCP)	ND	120	µg/L
56	1,2,4-Trichlorobenzene	ND	80	µg/L
57	Naphthalene	ND	80	µg/L
58	Hexachlorobutadiene	ND	80	µg/L
59	1,2,3-Trichlorobenzene	ND	80	µg/L
60	Surr: 1,2-Dichloroethane-d4	108		%REC
61	Surr: Toluene-d8	100		%REC
62	Surr: 4-Bromofluorobenzene	99		%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) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

7/7/06
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
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06063023-02A
Client I.D. Number: MW-13

Sampled: 06/29/06
Received: 06/30/06
Analyzed: 07/06/06

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	40	µg/L
2	Chloromethane	ND	160	µg/L
3	Vinyl chloride	ND	40	µg/L
4	Chloroethane	ND	40	µg/L
5	Bromomethane	ND	160	µg/L
6	Trichlorofluoromethane	ND	40	µg/L
7	1,1-Dichloroethene	ND	40	µg/L
8	Dichloromethane	ND	160	µg/L
9	trans-1,2-Dichloroethene	ND	40	µg/L
10	1,1-Dichloroethane	ND	40	µg/L
11	cis-1,2-Dichloroethene	ND	40	µg/L
12	Bromochloromethane	ND	40	µg/L
13	Chloroform	ND	40	µg/L
14	2,2-Dichloropropane	ND	40	µg/L
15	1,2-Dichloroethane	ND	40	µg/L
16	1,1,1-Trichloroethane	ND	40	µg/L
17	1,1-Dichloropropene	ND	40	µg/L
18	Carbon tetrachloride	ND	40	µg/L
19	Benzene	ND	20	µg/L
20	Dibromomethane	ND	40	µg/L
21	1,2-Dichloropropane	ND	40	µg/L
22	Trichloroethene	ND	40	µg/L
23	Bromodichloromethane	ND	40	µg/L
24	cis-1,3-Dichloropropene	ND	40	µg/L
25	trans-1,3-Dichloropropene	ND	40	µg/L
26	1,1,2-Trichloroethane	ND	40	µg/L
27	Toluene	ND	20	µg/L
28	1,3-Dichloropropane	ND	40	µg/L
29	Dibromochloromethane	ND	40	µg/L
30	1,2-Dibromoethane (EDB)	ND	160	µg/L
31	Tetrachloroethene	2,900	40	µg/L
32	1,1,1,2-Tetrachloroethane	ND	40	µg/L
33	Chlorobenzene	ND	40	µg/L
34	Ethylbenzene	ND	20	µg/L
35	m,p-Xylene	ND	20	µg/L
36	Bromoform	ND	40	µg/L
37	Styrene	ND	40	µg/L
38	o-Xylene	ND	20	µg/L
39	1,1,2,2-Tetrachloroethane	ND	40	µg/L
40	1,2,3-Trichloropropane	ND	160	µg/L
41	Isopropylbenzene	ND	40	µg/L
42	Bromobenzene	ND	40	µg/L
43	n-Propylbenzene	ND	40	µg/L
44	4-Chlorotoluene	ND	40	µg/L
45	2-Chlorotoluene	ND	40	µg/L
46	1,3,5-Trimethylbenzene	ND	40	µg/L
47	tert-Butylbenzene	ND	40	µg/L
48	1,2,4-Trimethylbenzene	ND	40	µg/L
49	sec-Butylbenzene	ND	40	µg/L
50	1,3-Dichlorobenzene	ND	40	µg/L
51	1,4-Dichlorobenzene	ND	40	µg/L
52	4-Isopropyltoluene	ND	40	µg/L
53	1,2-Dichlorobenzene	ND	40	µg/L
54	n-Butylbenzene	ND	40	µg/L
55	1,2-Dibromo-3-chloropropane (DBCP)	ND	240	µg/L
56	1,2,4-Trichlorobenzene	ND	160	µg/L
57	Naphthalene	ND	160	µg/L
58	Hexachlorobutadiene	ND	160	µg/L
59	1,2,3-Trichlorobenzene	ND	160	µg/L
60	Surr: 1,2-Dichloroethane-d4	107		%REC
61	Surr: Toluene-d8	100		%REC
62	Surr: 4-Bromofluorobenzene	99		%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) 281-4848 / info@alpha-analytical.com

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

7/7/06

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
7180 Pollock Drive #200
Las Vegas, NV 89119
Job#: 26698724

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600

Alpha Analytical Number: URS06063023-03A
Client I.D. Number: MW-14

Sampled: 06/29/06
Received: 06/30/06
Analyzed: 07/06/06

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit	
1	Dichlorodifluoromethane	ND	20	µg/L
2	Chloromethane	ND	80	µg/L
3	Vinyl chloride	ND	20	µg/L
4	Chloroethane	ND	20	µg/L
5	Bromomethane	ND	80	µg/L
6	Trichlorofluoromethane	ND	20	µg/L
7	1,1-Dichloroethene	ND	20	µg/L
8	Dichloromethane	ND	80	µg/L
9	trans-1,2-Dichloroethene	ND	20	µg/L
10	1,1-Dichloroethane	ND	20	µg/L
11	cis-1,2-Dichloroethene	ND	20	µg/L
12	Bromochloromethane	ND	20	µg/L
13	Chloroform	ND	20	µg/L
14	2,2-Dichloropropane	ND	20	µg/L
15	1,2-Dichloroethane	ND	20	µg/L
16	1,1,1-Trichloroethane	ND	20	µg/L
17	1,1-Dichloropropene	ND	20	µg/L
18	Carbon tetrachloride	ND	20	µg/L
19	Benzene	ND	10	µg/L
20	Dibromomethane	ND	20	µg/L
21	1,2-Dichloropropane	ND	20	µg/L
22	Trichloroethene	ND	20	µg/L
23	Bromodichloromethane	ND	20	µg/L
24	cis-1,3-Dichloropropene	ND	20	µg/L
25	trans-1,3-Dichloropropene	ND	20	µg/L
26	1,1,2-Trichloroethane	ND	20	µg/L
27	Toluene	ND	10	µg/L
28	1,3-Dichloropropane	ND	20	µg/L
29	Dibromochloromethane	ND	20	µg/L
30	1,2-Dibromoethane (EDB)	ND	80	µg/L
31	Tetrachloroethene	1,800	20	µg/L
32	1,1,1,2-Tetrachloroethane	ND	20	µg/L
33	Chlorobenzene	ND	20	µg/L
34	Ethylbenzene	ND	10	µg/L
35	m,p-Xylene	ND	10	µg/L
36	Bromoform	ND	20	µg/L
37	Styrene	ND	20	µg/L
38	o-Xylene	ND	10	µg/L
39	1,1,2,2-Tetrachloroethane	ND	20	µg/L
40	1,2,3-Trichloropropane	ND	80	µg/L
41	Isopropylbenzene	ND	20	µg/L
42	Bromobenzene	ND	20	µg/L
43	n-Propylbenzene	ND	20	µg/L
44	4-Chlorotoluene	ND	20	µg/L
45	2-Chlorotoluene	ND	20	µg/L
46	1,3,5-Trimethylbenzene	ND	20	µg/L
47	tert-Butylbenzene	ND	20	µg/L
48	1,2,4-Trimethylbenzene	ND	20	µg/L
49	sec-Butylbenzene	ND	20	µg/L
50	1,3-Dichlorobenzene	ND	20	µg/L
51	1,4-Dichlorobenzene	ND	20	µg/L
52	4-Isopropyltoluene	ND	20	µg/L
53	1,2-Dichlorobenzene	ND	20	µg/L
54	n-Butylbenzene	ND	20	µg/L
55	1,2-Dibromo-3-chloropropane (DBCP)	ND	120	µg/L
56	1,2,4-Trichlorobenzene	ND	80	µg/L
57	Naphthalene	ND	80	µg/L
58	Hexachlorobutadiene	ND	80	µg/L
59	1,2,3-Trichlorobenzene	ND	80	µg/L
60	Surr: 1,2-Dichloroethane-d4	105		%REC
61	Surr: Toluene-d8	99		%REC
62	Surr: 4-Bromofluorobenzene	99		%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) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

7/7/06
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: URS06063023 **Project:** 26698724

Alpha's Sample ID	Client's Sample ID	Matrix	pH
06063023-01A	MW-2	Aqueous	2
06063023-02A	MW-13	Aqueous	2
06063023-03A	MW-14	Aqueous	6

7/7/06
Report Date

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ANALYTICAL REPORT

URS Corporation
7180 Pollock Drive #200
Las Vegas, NV 89119

Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600
Date Received : 06/30/06

Job#: 26698724

Metals by ICPMS
EPA Method 200.8

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	MW-13					
Lab ID :	URS06063023-02A	Manganese (Mn)	0.49	0.0050 mg/L	06/29/06	07/06/06
		Iron (Fe)	15	0.30 mg/L	06/29/06	07/06/06

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) 281-4848 / info@alpha-analytical.com
Alpha Analytical, Inc. currently holds appropriate and available NDEP certifications for the data reported - certification #NV16.

7/7/06
Report Date

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ANALYTICAL REPORT

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Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600
Date Received : 06/30/06

Job#: 26698724

Alkalinity
EPA Method 310.1

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	MW-13					
Lab ID :	URS06063023-02A	Alkalinity, Total (As CaCO3 at pH 4.5)	230	1.0 mg/L	06/29/06	07/06/06

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Attn: Randy S. Kyes
Phone: (702) 951-3379
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Date Received : 06/30/06

Job#: 26698724

Total Organic Carbon as NonPurgeable Organic Carbon
EPA Method SW9060/415.1/SM-5310C

		Parameter	Concentration	Reporting Limit	Date Sampled	Date Analyzed
Client ID :	MW-13					
Lab ID :	URS06063023-02A	Total Organic Carbon	1.7	1.0 mg/L	06/29/06	06/30/06

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Attn: Randy S. Kyes
Phone: (702) 951-3379
Fax: (702) 837-1600
Date Received : 06/30/06

Job#: 26698724

Anions by IC
EPA Method 300.0 / 9056

	Parameter	Concentration	Reporting Limit	Date / Time Sampled	Date / Time Analyzed
Client ID : MW-13	Chloride	190	50 mg/L	06/29/06 07:30	07/04/06 01:19
Lab ID : URS06063023-02A	Nitrate (NO3) - N	7.9	0.25 mg/L	06/29/06 07:30	06/30/06 22:09
	Sulfate (SO4)	1,600	50 mg/L	06/29/06 07:30	07/04/06 01:19

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

7/7/06
Report Date

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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Date: 12-Jul-06

QC Summary Report

Work Order: 06063023

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

File ID: **C:\HPCHEM\MS07\DATA\060705\06070539.D** Batch ID: **MS07W0705C** Analysis Date: **07/05/2006 22:17**

Sample ID: **MBLK MS07W0705C** Units : **µg/L** Run ID: **MSD_07_060705B** Prep Date: **07/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	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	10.3		10		103	76	127			
Surr: Toluene-d8	10.2		10		102	84	113			
Surr: 4-Bromofluorobenzene	9.8		10		98	79	119			

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Date: *12-Jul-06*

QC Summary Report

Work Order: 06063023

Laboratory Control Spike

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

File ID: **C:\HPCHEM\MS07\DATA\060705\06070535.D** Batch ID: **MS07W0705C** Analysis Date: **07/05/2006 20:50**

Sample ID: **LCS MS07W0705C** Units : **µg/L** Run ID: **MSD_07_060705B** Prep Date: **07/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	9.93	1	10		99	80	120			
Benzene	9.8	0.5	10		98	81	122			
Trichloroethene	9.98	1	10		99.8	74	125			
Toluene	9.76	0.5	10		98	80	120			
Chlorobenzene	9.56	1	10		96	79	124			
Ethylbenzene	9.79	0.5	10		98	80	120			
m,p-Xylene	9.79	0.5	10		98	80	129			
o-Xylene	9.86	0.5	10		99	80	129			
Surr: 1,2-Dichloroethane-d4	10.5		10		105	76	127			
Surr: Toluene-d8	10.3		10		103	84	113			
Surr: 4-Bromofluorobenzene	9.77		10		98	79	119			

Sample Matrix Spike

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

File ID: **C:\HPCHEM\MS07\DATA\060705\06070541.D** Batch ID: **MS07W0705C** Analysis Date: **07/05/2006 23:00**

Sample ID: **06063062-06AMS** Units : **µg/L** Run ID: **MSD_07_060705B** Prep Date: **07/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	46.8	2.5	50	0	94	65	127			
Benzene	48.1	1.3	50	0	96	74	125			
Trichloroethene	46.9	2.5	50	0	94	66	126			
Toluene	46.1	1.3	50	0	92	76	120			
Chlorobenzene	46.6	2.5	50	0	93	76	124			
Ethylbenzene	46.5	1.3	50	0	93	77	124			
m,p-Xylene	46.7	1.3	50	0	93	73	130			
o-Xylene	48.2	1.3	50	0	96	74	131			
Surr: 1,2-Dichloroethane-d4	53.2		50		106	76	127			
Surr: Toluene-d8	49.9		50		99.7	84	113			
Surr: 4-Bromofluorobenzene	48		50		96	79	119			

Sample Matrix Spike Duplicate

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

File ID: **C:\HPCHEM\MS07\DATA\060705\06070542.D** Batch ID: **MS07W0705C** Analysis Date: **07/05/2006 23:22**

Sample ID: **06063062-06AMSD** Units : **µg/L** Run ID: **MSD_07_060705B** Prep Date: **07/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
1,1-Dichloroethene	46.3	2.5	50	0	93	65	127	46.83	1.1(17)	
Benzene	47.2	1.3	50	0	94	74	125	48.05	1.8(13)	
Trichloroethene	45.7	2.5	50	0	91	66	126	46.91	2.6(13)	
Toluene	45.9	1.3	50	0	92	76	120	46.08	0.3(13)	
Chlorobenzene	46.1	2.5	50	0	92	76	124	46.63	1.2(12)	
Ethylbenzene	46.6	1.3	50	0	93	77	124	46.49	0.3(13)	
m,p-Xylene	46.1	1.3	50	0	92	73	130	46.68	1.3(14)	
o-Xylene	47.7	1.3	50	0	95	74	131	48.2	1.0(13)	
Surr: 1,2-Dichloroethane-d4	52.1		50		104	76	127			
Surr: Toluene-d8	50.5		50		101	84	113			
Surr: 4-Bromofluorobenzene	48.8		50		98	79	119			

Comments:

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Date: *11-Jul-06*

QC Summary Report

Work Order: 06063023

Method Blank

Type **MBLK** Test Code: **EPA Method 300.0 / 9056**

File ID: **15** Batch ID: **15067A** Analysis Date: **06/30/2006 15:40**

Sample ID: **MB-15067** Units : **mg/L** Run ID: **IC_2_060630A** Prep Date: **06/30/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrate (NO3) - N	ND	0.25								

Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0 / 9056**

File ID: **16** Batch ID: **15067A** Analysis Date: **06/30/2006 15:59**

Sample ID: **LFB-15067** Units : **mg/L** Run ID: **IC_2_060630A** Prep Date: **06/30/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrate (NO3) - N	0.55	0.25	0.5		110	90	110			

Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0 / 9056**

File ID: **19** Batch ID: **15067A** Analysis Date: **06/30/2006 16:54**

Sample ID: **06063053-01ALFM** Units : **mg/L** Run ID: **IC_2_060630A** Prep Date: **06/30/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrate (NO3) - N	14.6	0.25	10	3.159	114	80	120			

Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0 / 9056**

File ID: **20** Batch ID: **15067A** Analysis Date: **06/30/2006 17:13**

Sample ID: **06063053-01ALFMD** Units : **mg/L** Run ID: **IC_2_060630A** Prep Date: **06/30/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Nitrate (NO3) - N	14.8	0.25	10	3.159	116	80	120	14.58	1.3(2)	

Comments:

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Date: *11-Jul-06*

QC Summary Report

Work Order: 06063023

Method Blank

File ID: **15** | Type **MBLK** | Test Code: **EPA Method 300.0 / 9056**

Batch ID: **15084B** | Analysis Date: **07/03/2006 21:37**

Sample ID: **MB-15084** | Units : **mg/L** | Run ID: **IC_2_060703A** | Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	ND	0.5								

Laboratory Fortified Blank

File ID: **16** | Type **LFB** | Test Code: **EPA Method 300.0 / 9056**

Batch ID: **15084B** | Analysis Date: **07/03/2006 21:56**

Sample ID: **LFB-15084** | Units : **mg/L** | Run ID: **IC_2_060703A** | Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	0.999	0.5	1		99.9	90	110			

Sample Matrix Spike

File ID: **19** | Type **LFM** | Test Code: **EPA Method 300.0 / 9056**

Batch ID: **15084B** | Analysis Date: **07/03/2006 22:51**

Sample ID: **06062924-02ALFM** | Units : **mg/L** | Run ID: **IC_2_060703A** | Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	9580	2.5	100	9662	-85	80	120			M3

Sample Matrix Spike Duplicate

File ID: **20** | Type **LFMD** | Test Code: **EPA Method 300.0 / 9056**

Batch ID: **15084B** | Analysis Date: **07/03/2006 23:10**

Sample ID: **06062924-02ALFMD** | Units : **mg/L** | Run ID: **IC_2_060703A** | Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Sulfate (SO4)	9670	2.5	100	9662	10	80	120	9577	1.0(2)	M3

Comments:

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M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

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Date: *11-Jul-06*

QC Summary Report

Work Order: 06063023

Method Blank

Type **MBLK** Test Code: **EPA Method 300.0 / 9056**
File ID: **15** Batch ID: **15084C** Analysis Date: **07/03/2006 21:37**
Sample ID: **MB-15084** Units : **mg/L** Run ID: **IC_2_060703A** Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Chloride	ND	0.5								

Laboratory Fortified Blank

Type **LFB** Test Code: **EPA Method 300.0 / 9056**
File ID: **16** Batch ID: **15084C** Analysis Date: **07/03/2006 21:56**
Sample ID: **LFB-15084** Units : **mg/L** Run ID: **IC_2_060703A** Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Chloride	0.973	0.5	1		97	90	110			

Sample Matrix Spike

Type **LFM** Test Code: **EPA Method 300.0 / 9056**
File ID: **19** Batch ID: **15084C** Analysis Date: **07/03/2006 22:51**
Sample ID: **06062924-02ALFM** Units : **mg/L** Run ID: **IC_2_060703A** Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Chloride	126	2.5	100	28.06	98	80	120			

Sample Matrix Spike Duplicate

Type **LFMD** Test Code: **EPA Method 300.0 / 9056**
File ID: **20** Batch ID: **15084C** Analysis Date: **07/03/2006 23:10**
Sample ID: **06062924-02ALFMD** Units : **mg/L** Run ID: **IC_2_060703A** Prep Date: **07/03/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Chloride	126	2.5	100	28.06	98	80	120	126.4	0.3(3)	

Comments:

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Date: *11-Jul-06*

QC Summary Report

Work Order: 06063023

Method Blank

Type **MBLK** Test Code: **EPA Method 200.8**

File ID: **070506.B\110AICB.D** Batch ID: **15092** Analysis Date: **07/05/2006 23:18**

Sample ID: **MB-15092** Units : **mg/L** Run ID: **ICP/MS_060705D** Prep Date: **07/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn)	ND	0.005								
Iron (Fe)	ND	0.3								

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 200.8**

File ID: **070506.B\111ALCS.D** Batch ID: **15092** Analysis Date: **07/05/2006 23:23**

Sample ID: **LCS-15092** Units : **mg/L** Run ID: **ICP/MS_060705D** Prep Date: **07/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn)	0.0491	0.005	0.05		98	85	115			
Iron (Fe)	9.19	0.3	10		92	85	115			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 200.8**

File ID: **070506.B\114MSL.D** Batch ID: **15092** Analysis Date: **07/05/2006 23:37**

Sample ID: **06062959-01AMS** Units : **mg/L** Run ID: **ICP/MS_060705D** Prep Date: **07/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn)	0.0987	0.005	0.05	0.0231	151	70	130			M3
Iron (Fe)	10.9	0.3	10	0.5482	104	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 200.8**

File ID: **070506.B\115MSD.D** Batch ID: **15092** Analysis Date: **07/05/2006 23:42**

Sample ID: **06062959-01AMSD** Units : **mg/L** Run ID: **ICP/MS_060705D** Prep Date: **07/05/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Manganese (Mn)	0.0971	0.005	0.05	0.0231	148	70	130	0.09874	1.6(10)	M3
Iron (Fe)	10.5	0.3	10	0.5482	99	70	130	10.9	4.0(10)	

Comments:

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M3 = The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

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Date: *11-Jul-06*

QC Summary Report

Work Order: 06063023

Laboratory Control Spike Type **LCS** Test Code: **EPA Method 310.1**

File ID: Batch ID: **W060706ALK** Analysis Date: **07/06/2006 00:00**

Sample ID: **LCS-W060706ALK** Units : **mg/L** Run ID: **WETLAB_060706B** Prep Date: **07/06/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Alkalinity, Total (As CaCO3 at pH 4.5)	5.03	1	5		101	90	110			

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.

Alpha Analytical, Inc.

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Date: *11-Jul-06*

QC Summary Report

Work Order: 06063023

Method Blank

File ID:

Type **MBLK** Test Code: **EPA Method SW9060/415.1/SM-5310C**

Batch ID: **TOC063006** Analysis Date: **06/30/2006 15:38**

Sample ID: **MBLK-063006TOC** Units : **mg/L** Run ID: **TOC_060630A** Prep Date: **06/30/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	ND	1								

Laboratory Control Spike

File ID:

Type **LCS** Test Code: **EPA Method SW9060/415.1/SM-5310C**

Batch ID: **TOC063006** Analysis Date: **06/30/2006 15:17**

Sample ID: **LCS-063006TOC** Units : **mg/L** Run ID: **TOC_060630A** Prep Date: **06/30/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	5.79	1	5		116	74	125			

Sample Matrix Spike

File ID:

Type **MS** Test Code: **EPA Method SW9060/415.1/SM-5310C**

Batch ID: **TOC063006** Analysis Date: **06/30/2006 16:26**

Sample ID: **06062650-06AMS** Units : **mg/L** Run ID: **TOC_060630A** Prep Date: **06/30/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	5.65	1	5	0	113	56	137			

Sample Matrix Spike Duplicate

File ID:

Type **MSD** Test Code: **EPA Method SW9060/415.1/SM-5310C**

Batch ID: **TOC063006** Analysis Date: **06/30/2006 16:53**

Sample ID: **06062650-06AMSD** Units : **mg/L** Run ID: **TOC_060630A** Prep Date: **06/30/2006**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LowLimit	HighLimit	RPDRefVal	%RPD(Limit)	Qual
Total Organic Carbon	5.95	1	5	0	119	56	137	5.651	5.2(15)	

Comments:

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