FINAL REPORT

INTERIM REMEDIAL MEASURE PROGRAM

2006 ANNUAL PROGRESS REPORT
SEPTEMBER 2005 – AUGUST 2006

FORMER GRIFFIN TECHNOLOGY FACILITY
TOWN OF FARMINGTON
ONTARIO COUNTY, NEW YORK
INDEX NO. (B8-315-90-01)

Prepared for
Diebold, Inc.
Canton, Ohio

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INTERIM REMEDIAL MEASURE 2006 ANNUAL PROGRESS REPORT

GRIFFIN TECHNOLOGY, INC. FACILITY

TOWN OF FARMINGTON

ONTARIO COUNTY, NEW YORK

The enclosed Annual Progress Report has been reviewed by the undersigned and has been found to be consistent with the requirements of the Order on Consent (Index No. B8-315-90-01), entered into by the New York State Department of Environmental Conservation and Griffin Technology, Inc.

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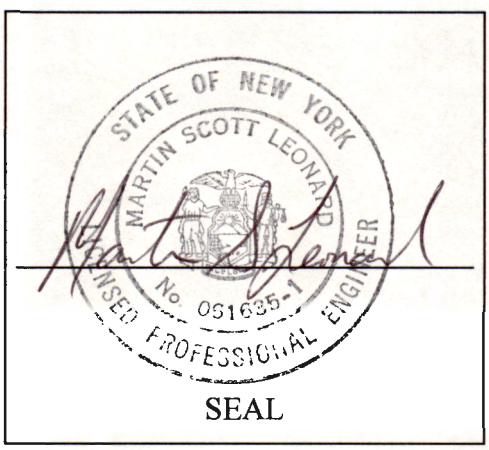
Date: November 13, 2006



SEAL

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

This report presents information collected by URS Corporation (URS) between September 2005 and August 2006 during the operation of the Interim Remedial Measure (IRM) system at the Griffin Technology, Inc. (GTI) site located at 6132 Victor-Manchester Road in Farmington, Ontario County, New York. A general location map is included as Figure 1-1.

The IRM system consists of four groundwater recovery wells equipped with submersible electric pumps. The wells have been plumbed to discharge groundwater into the local sanitary sewer system. The IRM system was proposed in the *IRM Work Plan* submitted to the New York State Department of Environmental Conservation (NYSDEC) on July 10, 1996. The Work Plan was prepared in accordance with the Order on Consent agreement (Index No. B8-315-90-01) entered into by GTI and the NYSDEC. Information supporting the selected IRM, such as the *Field Sampling Plan* (FSP), *Quality Assurance Project Plan* (QAPP), and *Health and Safety Plan* (HASP), was included in the Work Plan.

On September 27, 1996, GTI submitted an *Interim Remedial Measure Program, Final Design Document* to the NYSDEC. This document contained the proposed layout and detail drawings for the IRM system and a copy of the letter approving the discharge of recovered groundwater into the local publicly owned treatment works (POTW) sanitary sewer. In addition, an implementation schedule to construct the system and a proposed two-year sample collection and reporting schedule were included in the design document.

During December 1996 and January 1997, the IRM components were installed at the site. The components included three recovery wells and one deep monitoring well with the potential to be converted to a recovery well in the future. Following approval by the NYSDEC and the Canandaigua-Farmington Water and Sewer District to discharge recovery water into the sanitary sewer system, the system was placed on line with three recovery wells (RW-1 through RW-3). The IRM system began operating on February 18, 1997. Between April and June 1999, one deep monitoring well (MW-2D) was converted to a recovery well (RW-4) and brought on line.

In April 1999, a subsurface soil investigation was conducted at the GTI site to evaluate current soil conditions west of the manufacturing building. The scope of work and results are detailed in the *Soil Investigation Report*, dated June 25, 1999.

Between December 1999 and March 2000, a new sanitary sewer main crossing was installed beneath Victor-Manchester Road to provide separate sanitary sewer service to the undeveloped western parcel of the former GTI site on which the recovery system is located. On April 7, 2000, the recovery system discharge was disconnected from the sanitary sewer on the central parcel of the GTI site and connected to the new sanitary sewer main crossing at the clean-out on the western parcel.

Activities performed during the period from September 2005 through August 2006 are described in Section 2.0. Information collected during this period of operation is presented in Section 3.0. Conclusions are presented in Section 4.0.

The Scope of Work for the IRM was presented in the *Final Design Document*, which was issued to the NYSDEC on September 27, 1996. Implementation of the IRM included the following historic activities:

- Installing the IRM system in the undeveloped parcel of land located downgradient of the source area. The original IRM system consisted of installing three groundwater extraction wells (RW-1 through RW-3), one bedrock monitoring well located in the source area which could potentially be used for additional recovery, two sets of nested piezometers located between each of the three extraction wells to monitor groundwater elevations between each well, a groundwater recovery and collection system to convey water to a central access vault, electrical power supply and controllers for each recovery pump, sample collection and flow monitoring appurtenances, and a force main to discharge the combined effluent of all three wells from the access vault to a sanitary sewer located on the southeast portion of the site.
- Converting the deep bedrock monitoring well into a fourth recovery well (RW-4).
- Installing a new sewer main crossing to provide sanitary sewer service to the undeveloped western parcel.
- Monitoring the quantity and quality of effluent discharged from the system monthly and reporting this data to the local POTW.
- Monitoring the groundwater elevations in all on-site wells and piezometers on a monthly basis to evaluate the effectiveness of the IRM as a groundwater extraction system and hydraulic barrier.
- Collecting groundwater samples from all wells located on and off site semi-annually for a period of four years, beginning six months after initiation of the system. Analyzing the groundwater samples collected during these semi-annual activities for volatile organic compounds (VOCs) by NYSDEC Test Method ASP 91-1 (now referenced as NYSDEC Test Method OLM 4.2). After four years, the frequency of monitoring well sampling was reduced to annual.
- Preparing progress reports for submission to the NYSDEC. The reports include data collected during the preceding months of operation as well as information and activities to be performed during subsequent reporting periods.

During the period from September 2005 through August 2006, URS completed the following:

- Collected water level data from on-site wells and composite effluent samples on a monthly basis;
- Performed a comprehensive groundwater monitoring event in July 2006; and,
- Evaluated system maintenance requirements.

2.1 IRM SYSTEM

The IRM installation activities were performed during December 1996 and January 1997. Operation of the IRM system was initiated on February 18, 1997. In June 1999, an additional recovery well was added to the system. In April 2000, a new sanitary sewer tie-in was connected to the system.

The layout of the IRM system, on-site groundwater monitoring wells and piezometers, and other pertinent features discussed in this report are shown in Figure 2-1. The system remains in operation. Components of the IRM system are discussed below.

2.1.1 IRM System Configuration

The IRM system originally consisted of a network of three groundwater recovery wells (designated as RW-01, RW-02 and RW-03). Between April and June 1999, one deep monitoring well (MW-2D) was converted to a recovery well (RW-4) and brought on line.

The four recovery wells are constructed with 20-foot screened intervals that straddle the contact between the overburden and the bedrock. The well depths range from approximately 27 to 33 feet below ground surface (bgs).

A Goulds Model 10GS electric, submersible pump was installed in each recovery well. Each pump is connected to a PumpTec® "Load-Sensor" type controller to automate the operation of the pump. The controllers are currently operating at 4-minute reset time intervals.

Underground piping and wiring connect the recovery wells to a central access vault, located on the western side of the facility building. At the central access vault, the individual groundwater conveyance pipe from each recovery well is connected to a manifold, which connects to a common header discharge pipe. Each conveyance pipe on the manifold is equipped with a shut-off valve, sample port, and totalizing flow meter to facilitate individual well monitoring. In addition, a shut-off valve, sample port, and totalizing flow meter are located on the common header pipe prior to discharge.

The extracted groundwater flows from the manifold and header in the central access vault through a force main pipe and into a sanitary sewer where it travels by gravity to the Canandaigua-Farmington Water and Sewer District for treatment. Prior to system start-up, the Canandaigua-Farmington Water and Sewer District received permission from the NYSDEC to receive this wastewater.

Between December 1999 and March 2000, a new sanitary sewer main crossing was installed beneath Victor-Manchester Road to provide separate service to the IRM system. On April 7, 2000, the recovery system discharge was disconnected from the sanitary sewer on the central parcel of the GTI site (where the former GTI building is located). The recovery system discharge was then connected to the new sanitary sewer main crossing at the clean-out on the western parcel.

2.2 IRM SYSTEM MONITORING

During the period from September 2005 through August 2006, groundwater elevation, discharge volume, and groundwater analytical data were collected to monitor the effectiveness of the IRM system. The data collected are discussed in the following subsections.

2.2.1 Hydraulic Head Measurement

Hydraulic head (groundwater elevation) measurements were collected from select on-site groundwater wells and piezometers a minimum of once per month during routine site visits. Monthly hydraulic head measurements were also collected from off-site monitoring wells MW-01 and MW-11D. During some visits, hydraulic head measurements were also collected from nearby off-site monitoring wells MW-6S and MW-6D. On July 19, 2006, prior to the collection of groundwater samples, the water level in each on-site and off-site groundwater monitoring well, except MW-10S and MW-10D, was measured and recorded to evaluate groundwater flow conditions. Because the wells (MW-10S and MW-10D) are located on the edge of a parking lot, truck traffic and snow removal had covered the wells with gravel. They were located on July 24, 2006 with a metal detector. All groundwater measurements were collected using an electronic water level indicator capable of measuring the water elevation to the nearest 0.01-foot.

2.2.2 Groundwater Sampling and Analysis

Composite effluent samples were collected monthly from the common header discharge in the central access vault. The recovery wells were typically shut down for approximately one hour while water level data were collected from the on-site monitoring wells. In order to collect the composite effluent sample, all recovery wells were restarted, such that the sample included a contribution from each well. These samples were submitted to Columbia Analytical Services, Inc. (CASI) of Rochester, New York for analysis of volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) method 8260. The analytical results of these composite samples were used to report estimated loadings to the POTW.

On July 20, 2005, groundwater samples were collected from on-site and off-site monitoring wells and the recovery well system to evaluate groundwater quality. Due to problems locating MW-10S and MW-10D and a power failure to the recovery well pumps, they were sampled on July 24. Prior to sample collection, the static water level in each well was measured. Using these measurements, the volume of water contained in each well was calculated. The monitoring well was then purged of a minimum of three well volumes of water or until dry using a new, disposable, high-density polyethylene (HDPE) bailer equipped with a nylon cord. Groundwater samples were collected within 24 hours of purging from each groundwater monitoring well. Samples were transferred from the bailers to laboratory supplied containers. In addition, individual groundwater samples were collected from each of the four the recovery wells. These samples were collected directly from the sample port on each pump discharge line and transferred to laboratory supplied containers.

Samples were placed into a cooler with ice for preservation until delivered to the laboratory for analysis. One duplicate sample was collected from monitoring well MW-5S. Groundwater samples were submitted to CASI and analyzed for VOCs by NYSDEC Test Method OLM 4.2. Chain-of-custody procedures were followed throughout the sampling event.

Data collected during the previous 12 month period of IRM system operation (September 2005 through August 2006) and results of the July 2006 groundwater sampling event are presented in the following subsections.

3.1 HYDRAULIC HEAD MEASUREMENT RESULTS

Hydraulic head measurements collected from on-site and off-site groundwater monitoring wells and piezometers are presented in Table 3-1. Monthly water levels were collected from select onsite monitoring wells; MW-7S/D, MW-9S/D and MW-10S/D were only measured during the July annual event.

The elevation data were used to construct groundwater contour maps for 2-month to 3-month intervals in both the overburden (Figures 3-1 through 3-5) and bedrock (Figures 3-6 through 3-10) water-bearing zones. Figures 3-5 and 3-10 illustrate groundwater flow conditions in the site vicinity overburden and bedrock water-bearing zones, respectively, as measured during the annual monitoring event on July 20, 2006.

Measurements collected during the annual event provide a more comprehensive understanding of groundwater flow patterns in the vicinity of the site. Overburden measurements collected during the annual event, shown on Figure 3-5, indicate that groundwater flow in the overburden water-bearing zone is typically to the south-southwest and may ultimately discharge to Beaver Creek. Annual event measurements also indicated that groundwater flow is to the west-northwest in the bedrock water-bearing zone, as shown on Figure 3-10. The different flow patterns observed in the two water-bearing zones are likely due to the influence of Beaver Creek on the shallow zone, and the deeper groundwater flow influenced by localized fractured bedrock-zones. The monthly on-site elevation data indicates a groundwater low surrounding the recovery system in both the overburden and bedrock zones, though the low is more pronounced in the bedrock water-bearing zone. Groundwater elevation levels in the PZ-1S/D, PZ-2S/D, and MW-6S/D well pairs are essentially equal indicating hydraulic connection between the two monitoring zones. Further off site, at the MW-7S/D and MW-9S/D well pair locations, groundwater elevations in the overburden and bedrock zones are separated by more than 20 feet and clearly monitor distinct water-bearing zones. Higher elevations in the overburden as compared to bedrock elevations indicate a downward vertical flow gradient from the shallow to the deep groundwater-bearing zone.

The groundwater elevation data indicate that the IRM system is continuing to influence groundwater flow patterns at the GTI site. These results are consistent with previously observed site conditions.

3.2 EFFLUENT OPERATING DATA AND ANALYTICAL RESULTS

Individual samples were taken from the four recovery wells and the effluent that is discharged to the POTW. The samples from the recovery wells were taken on July 24, 2006 due to a power outage that was discovered on July 19, 2006. The local electrical utility had to be contacted to restore power to the site. The power outage occurred sometime between July 5 and July 19, 2006. A summary of the historical IRM system operating data and effluent analysis is presented in Table 3-2. The monthly effluent samples were grab samples collected from each of the four

recovery wells, RW-1 through RW-4. The effluent results continue to indicate that groundwater containing chemicals of concern (COCs) are being removed from underneath the GTI site. The most prevalent COC detected in the effluent samples was trichloroethene (TCE). Overall seasonal trends appear to be similar to the prior year with the highest concentration occurring during early winter. Laboratory data sheets for effluent samples collected during this period of operation are provided in Appendix A.

The volume of water extracted by the system, as measured by the flow totalizer, decreased during the summer months (May 2006 through August 2006) of this operating period. This appears to be related to lower seasonal groundwater elevations during summer and is similar to conditions observed during previous years.

3.3 GROUNDWATER ANALYTICAL RESULTS

A summary of groundwater analytical data for the monitoring wells sampled on July 20, 2005 and on previous sampling dates is presented in Table 3-3. Table 3-4 presents data from the individual recovery well samples that were also collected as part of the groundwater sampling event. The laboratory data sheets are provided in Appendix B. A data validation report for this data, prepared by a URS QA/QC reviewer, is provided in Appendix C. Results of the validation indicate that the data are acceptable.

Groundwater analytical results for the July 2006 samples indicated concentrations of COCs similar to the previous (July 2005) sampling event. The COCs detected in groundwater samples collected during July 2006 consist of TCE, 1,1,1-TCA, and cis-1,2-DCE. TCE was consistently reported at the highest concentration of the detected COCs, with concentrations ranging from below detectable levels to 2100 micrograms per liter (ug/l). The COCs detected are consistent with the results of earlier sampling events.

3.4 SYSTEM MAINTENANCE

An operational and maintenance systems check was performed during the annual sampling event in July. Upon arrival all the power to the system was out. The local utility provider had to be contacted to restore power back to the system. The power was restored, but Recovery Well 4 was not operational. The initial diagnosis was the load sensor had failed, and it was sent to the URS Cleveland Office for repair/replacement. The load sensor was determined to be operational so a field technician was sent to the site. Field troubleshooting reveled that the cause of the failure was not the relay, but the motor on the pump. The pump was replaced and Recovery Well 4 was brought back online September 20, 2006.

No other issues occurred from September 2005 through August 2006.

Based on the information collected during the 12-month period from September 2005 through August 2006, the following summary has been developed regarding environmental conditions at the GTI site:

- Groundwater flow in the overburden beneath the site is primarily to the south-southwest. In the bedrock, groundwater typically flows to the west-northwest. These flow patterns are consistent with previous observations made at the GTI site.
- The monthly quantity of groundwater removed by the IRM system decreased during the late summer and fall months, consistent with previous years. The quantity of groundwater discharged by the system appears to correlate with seasonal changes in groundwater elevations.
- The concentrations of COCs in the IRM system effluent during this reporting period were consistent with historical levels. Concentrations remain slightly lower than historical levels.
- Observations made over the previous 10 years indicate that the existing IRM system is continuing to remove contaminants at concentrations consistent with historical data.
- A higher degree of bedrock fracturing is assumed in areas with a more apparent degree of connectivity between the shallow and deep groundwater-bearing zones.
- Despite the loss of power to the system in July 2006, it did not appear that the overall performance of the system was significantly affected.

Tables

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-01	641.79			
		9/1/2005	10.97	630.82
		9/15/2005	13.61	628.18
		9/30/2005	13.15	628.64
		10/14/2005	13.00	628.79
		11/2/2005	9.58	632.21
		11/17/2005	7.50	634.29
		12/1/2005	5.54	636.25
		12/14/2005	7.25	634.54
		1/3/2006	5.51	636.28
		1/16/2006	6.04	635.75
		2/1/2006	5.81	635.98
		2/15/2006	4.97	636.82
		3/1/2006	5.74	636.05
		3/15/2006	4.20	637.59
		4/6/2006	5.89	635.90
		4/17/2006	6.06	635.73
		5/1/2006	5.82	635.97
		6/1/2006	10.08	631.71
		6/15/2006	10.54	631.25
		7/5/2006	11.65	630.14
		7/19/2006	10.19	631.60
		8/1/2006	10.18	631.61
		8/15/2006	12.38	629.41

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-02S	641.28			
		9/1/2005	13.01	628.27
		9/15/2005	16.05	625.23
		9/30/2005	16.05	625.23
		10/14/2005	16.05	625.23
		11/2/2005	14.60	626.68
		11/17/2005	12.81	628.47
		12/1/2005	10.22	631.06
		12/14/2005	13.17	628.11
		1/3/2006	9.17	632.11
		1/16/2006	9.61	631.67
		2/1/2006	7.35	633.93
		2/15/2006	7.65	633.63
		3/1/2006	8.94	632.34
		3/15/2006	6.05	635.23
		4/6/2006	9.18	632.10
		4/17/2006	9.40	631.88
		5/1/2006	8.84	632.44
		6/1/2006	15.00	626.28
		6/15/2006	13.39	627.89
		7/5/2006	15.60	625.68
		7/19/2006	13.50	627.78
		8/1/2006	12.85	628.43
		8/15/2006	15.02	626.26

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NM indicates water elevation not measured.
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TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-03	642.17			
		9/1/2005	15.41	626.76
		9/15/2005	17.20	624.97
		9/30/2005	17.16	625.01
		10/14/2005	17.00	625.17
		11/2/2005	14.19	627.98
		11/17/2005	11.98	630.19
		12/1/2005	9.60	632.57
		12/14/2005	12.96	629.21
		1/3/2006	10.42	631.75
		1/16/2006	10.68	631.49
		2/1/2006	6.64	635.53
		2/15/2006	7.48	634.69
		3/1/2006	9.83	632.34
		3/15/2006	5.81	636.36
		4/6/2006	10.82	631.35
		4/17/2006	11.00	631.17
		5/1/2006	9.83	632.34
		6/1/2006	15.06	627.11
		6/15/2006	15.44	626.73
		7/5/2006	16.22	625.95
		7/19/2006	14.18	627.99
		8/1/2006	14.46	627.71
		8/15/2006	16.18	625.99

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TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-04	641.75			
		9/1/2005	14.61	627.14
		9/15/2005	19.01	622.74
		9/30/2005	17.78	623.97
		10/14/2005	18.01	623.74
		11/2/2005	15.98	625.77
		11/17/2005	15.07	626.68
		12/1/2005	12.72	629.03
		12/14/2005	15.01	626.74
		1/3/2006	12.98	628.77
		1/16/2006	13.09	628.66
		2/1/2006	8.21	633.54
		2/15/2006	9.44	632.31
		3/1/2006	12.42	629.33
		3/15/2006	7.38	634.37
		4/6/2006	13.39	628.36
		4/17/2006	13.53	628.22
		5/1/2006	12.46	629.29
		6/1/2006	17.30	624.45
		6/15/2006	17.39	624.36
		7/5/2006	18.02	623.73
		7/19/2006	15.34	626.41
		8/1/2006	16.40	625.35
		8/15/2006	18.11	623.64

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FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-05S	640.85			
		9/1/2005	15.66	625.19
		9/15/2005	19.98	620.87
		9/30/2005	19.18	621.67
		10/14/2005	18.98	621.87
		11/2/2005	15.40	625.45
		11/17/2005	16.41	624.44
		12/1/2005	14.14	626.71
		12/14/2005	17.98	622.87
		1/3/2006	13.58	627.27
		1/16/2006	13.75	627.10
		2/1/2006	9.66	631.19
		2/15/2006	9.10	631.75
		3/1/2006	11.54	629.31
		3/15/2006	7.06	633.79
		4/6/2006	13.71	627.14
		4/17/2006	12.78	628.07
		5/1/2006	11.89	628.96
		6/1/2006	16.83	624.02
		6/15/2006	16.35	624.50
		7/5/2006	17.55	623.30
		7/19/2006	14.82	626.03
		8/1/2006	17.21	623.64
		8/15/2006	17.55	623.30

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FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-05D	641.01			
		9/1/2005	16.00	625.01
		9/15/2005	21.66	619.35
		9/30/2005	21.08	619.93
		10/14/2005	20.18	620.83
		11/2/2005	18.01	623.00
		11/17/2005	19.21	621.80
		12/1/2005	18.01	623.00
		12/14/2005	18.70	622.31
		1/3/2006	16.45	624.56
		1/16/2006	16.51	624.50
		2/1/2006	14.89	626.12
		2/15/2006	9.14	631.87
		3/1/2006	11.31	629.70
		3/15/2006	7.15	633.86
		4/6/2006	13.62	627.39
		4/17/2006	12.44	628.57
		5/1/2006	11.61	629.40
		6/1/2006	16.27	624.74
		6/15/2006	16.35	624.66
		7/5/2006	17.00	624.01
		7/19/2006	13.70	627.31
		8/1/2006	20.28	620.73
		8/15/2006	17.03	623.98

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Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-06S	636.61			
		9/1/2005	12.91	623.70
		9/15/2005	14.01	622.60
		9/30/2005	17.25	619.36
		10/14/2005	17.11	619.50
		11/2/2005	11.21	625.40
		11/17/2005	11.80	624.81
		12/1/2005	8.01	628.60
		12/14/2005	11.57	625.04
		1/3/2006	6.99	629.62
		1/16/2006	unavailable	well iced over
		2/1/2006	6.89	629.72
		2/15/2006	5.71	630.90
		3/1/2006	7.29	629.32
		3/15/2006	3.64	632.97
		4/6/2006	9.06	627.55
		4/17/2006	9.20	627.41
		5/1/2006	8.74	627.87
		6/1/2006	12.81	623.80
		6/15/2006	13.00	623.61
		7/5/2006	13.51	623.10
		7/19/2006	12.33	624.28
		8/1/2006	11.92	624.69
		8/15/2006	13.65	622.96

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FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-06D	636.83			
		9/1/2005	13.08	623.75
		9/15/2005	14.40	622.43
		9/30/2005	17.25	619.58
		10/14/2005	10.42	626.41
		11/2/2005	11.51	625.32
		11/17/2005	12.01	624.82
		12/1/2005	8.01	628.82
		12/14/2005	11.70	625.13
		1/3/2006	6.89	629.94
		1/16/2006	unavailable	well iced over
		2/1/2006	7.11	629.72
		2/15/2006	5.96	630.87
		3/1/2006	7.51	629.32
		3/15/2006	3.92	632.91
		4/6/2006	9.30	627.53
		4/17/2006	9.50	627.33
		5/1/2006	9.00	627.83
		6/1/2006	13.07	623.76
		6/15/2006	13.25	623.58
		7/5/2006	13.79	623.04
		7/19/2006	13.80	623.03
		8/1/2006	12.15	624.68
		8/15/2006	13.90	622.93

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-07S	634.29			
		9/1/2005	NM	
		9/15/2005	NM	
		9/30/2005	NM	
		10/14/2005	NM	
		11/2/2005	NM	
		11/17/2005	NM	
		12/1/2005	NM	
		12/14/2005	NM	
		1/3/2006	NM	
		1/16/2006	NM	
		2/1/2006	NM	
		2/15/2006	NM	
		3/1/2006	NM	
		3/15/2006	NM	
		4/6/2006	NM	
		4/17/2006	NM	
		5/1/2006	NM	
		6/1/2006	NM	
		6/15/2006	NM	
		7/5/2006	NM	
		7/19/2006	12.02	622.27
		8/1/2006	NM	
		8/15/2006	NM	

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-07D	634.16			
		9/1/2005	NM	
		9/15/2005	NM	
		9/30/2005	NM	
		10/14/2005	NM	
		11/2/2005	NM	
		11/17/2005	NM	
		12/1/2005	NM	
		12/14/2005	NM	
		1/3/2006	NM	
		1/16/2006	NM	
		2/1/2006	NM	
		2/15/2006	NM	
		3/1/2006	NM	
		3/15/2006	NM	
		4/6/2006	NM	
		4/17/2006	NM	
		5/1/2006	NM	
		6/1/2006	NM	
		6/15/2006	NM	
		7/5/2006	NM	
		7/19/2006	35.44	598.72
		8/1/2006	NM	
		8/15/2006	NM	

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-09S	630.16			
		9/1/2005	NM	
		9/15/2005	NM	
		9/30/2005	NM	
		10/14/2005	NM	
		11/2/2005	NM	
		11/17/2005	NM	
		12/1/2005	NM	
		12/14/2005	NM	
		1/3/2006	NM	
		1/16/2006	NM	
		2/1/2006	NM	
		2/15/2006	NM	
		3/1/2006	NM	
		3/15/2006	NM	
		4/6/2006	NM	
		4/17/2006	NM	
		5/1/2006	NM	
		6/1/2006	NM	
		6/15/2006	NM	
		7/5/2006	NM	
		7/19/2006	12.82	617.34
		8/1/2006	NM	
		8/15/2006	NM	

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-09D	630.29			
		9/1/2005	NM	
		9/15/2005	NM	
		9/30/2005	NM	
		10/14/2005	NM	
		11/2/2005	NM	
		11/17/2005	NM	
		12/1/2005	NM	
		12/14/2005	NM	
		1/3/2006	NM	
		1/16/2006	NM	
		2/1/2006	NM	
		2/15/2006	NM	
		3/1/2006	NM	
		3/15/2006	NM	
		4/6/2006	NM	
		4/17/2006	NM	
		5/1/2006	NM	
		6/1/2006	NM	
		6/15/2006	NM	
		7/5/2006	NM	
		7/19/2006	33.28	597.01
		8/1/2006	NM	
		8/15/2006	NM	

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-10S	629.00			
		9/1/2005	NM	
		9/15/2005	NM	
		9/30/2005	NM	
		10/14/2005	NM	
		11/2/2005	NM	
		11/17/2005	NM	
		12/1/2005	NM	
		12/14/2005	NM	
		1/3/2006	NM	
		1/16/2006	NM	
		2/1/2006	NM	
		2/15/2006	NM	
		3/1/2006	NM	
		3/15/2006	NM	
		4/6/2006	NM	
		4/17/2006	NM	
		5/1/2006	NM	
		6/1/2006	NM	
		6/15/2006	NM	
		7/5/2006	NM	
		7/19/2006	15.87	613.13
		8/1/2006	NM	
		8/15/2006	NM	

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-10D	626.80			
		9/1/2005	NM	
		9/15/2005	NM	
		9/30/2005	NM	
		10/14/2005	NM	
		11/2/2005	NM	
		11/17/2005	NM	
		12/1/2005	NM	
		12/14/2005	NM	
		1/3/2006	NM	
		1/16/2006	NM	
		2/1/2006	NM	
		2/15/2006	NM	
		3/1/2006	NM	
		3/15/2006	NM	
		4/6/2006	NM	
		4/17/2006	NM	
		5/1/2006	NM	
		6/1/2006	NM	
		6/15/2006	NM	
		7/5/2006	NM	
		7/19/2006	16.55	610.25
		8/1/2006	NM	
		8/15/2006	NM	

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-11D	641.89			
		9/1/2005	14.87	627.02
		9/15/2005	17.01	624.88
		9/30/2005	15.45	626.44
		10/14/2005	15.45	626.44
		11/2/2005	14.00	627.89
		11/17/2005	13.90	627.99
		12/1/2005	11.01	630.88
		12/14/2005	13.81	628.08
		1/3/2006	10.35	631.54
		1/16/2006	10.81	631.08
		2/1/2006	9.01	632.88
		2/15/2006	8.59	633.30
		3/1/2006	10.11	631.78
		3/15/2006	6.53	635.36
		4/6/2006	10.38	631.51
		4/17/2006	10.57	631.32
		5/1/2006	10.22	631.67
		6/1/2006	14.22	627.67
		6/15/2006	14.39	627.50
		7/5/2006	15.65	626.24
		7/19/2006	14.51	627.38
		8/1/2006	14.25	627.64
		8/15/2006	16.00	625.89
MW-13D	637.58	MW-13D covered under driveway		

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
PZ-1S	640.50			
		9/1/2005	10.42	630.08
		9/15/2005	10.42	630.08
		9/30/2005	17.85	622.65
		10/14/2005	17.85	622.65
		11/2/2005	10.45	630.05
		11/17/2005	10.45	630.05
		12/1/2005	10.45	630.05
		12/14/2005	10.45	630.05
		1/3/2006	10.45	630.05
		1/16/2006	10.45	630.05
		2/1/2006	10.15	630.35
		2/15/2006	8.46	632.04
		3/1/2006	10.45	630.05
		3/15/2006	6.26	634.24
		4/6/2006	10.45	630.05
		4/17/2006	10.45	630.05
		5/1/2006	10.45	630.05
		6/1/2006	10.45	630.05
		6/15/2006	10.45	630.05
		7/5/2006	10.45	630.05
		7/19/2006	10.45	630.05
		8/1/2006	10.45	630.05
		8/15/2006	10.45	630.05

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
PZ-1D	640.67			
		9/1/2005	15.44	625.23
		9/15/2005	15.45	625.22
		9/30/2005	19.42	621.25
		10/14/2005	18.95	621.72
		11/2/2005	15.38	625.29
		11/17/2005	14.98	625.69
		12/1/2005	12.55	628.12
		12/14/2005	15.01	625.66
		1/3/2006	12.31	628.36
		1/16/2006	12.51	628.16
		2/1/2006	12.02	628.65
		2/15/2006	8.60	632.07
		3/1/2006	15.41	625.26
		3/15/2006	6.41	634.26
		4/6/2006	12.60	628.07
		4/17/2006	12.72	627.95
		5/1/2006	11.68	628.99
		6/1/2006	15.41	625.26
		6/15/2006	15.41	625.26
		7/5/2006	15.41	625.26
		7/19/2006	14.75	625.92
		8/1/2006	15.41	625.26
		8/15/2006	15.41	625.26

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
PZ-2S	639.73			
		9/1/2005	15.44	624.29
		9/15/2005	17.85	621.88
		9/30/2005	14.21	625.52
		10/14/2005	14.11	625.62
		11/2/2005	16.51	623.22
		11/17/2005	16.43	623.30
		12/1/2005	14.42	625.31
		12/14/2005	15.55	624.18
		1/3/2006	14.35	625.38
		1/16/2006	14.11	625.62
		2/1/2006	12.01	627.72
		2/15/2006	10.05	629.68
		3/1/2006	12.18	627.55
		3/15/2006	8.25	631.48
		4/6/2006	13.65	626.08
		4/17/2006	13.17	626.56
		5/1/2006	12.34	627.39
		6/1/2006	16.69	623.04
		6/15/2006	16.81	622.92
		7/5/2006	17.39	622.34
		7/19/2006	13.93	625.80
		8/1/2006	16.92	622.81
		8/15/2006	17.50	622.23

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-1
SUMMARY OF GROUNDWATER ELEVATIONS
SEPTEMBER 2005 - AUGUST 2006
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Well ID	Top of Casing Elevation (ft)	Date	Depth to Groundwater (ft)	Groundwater Elevation (ft)
PZ-2D	640.01			
		9/1/2005	16.32	623.69
		9/15/2005	18.01	622.00
		9/30/2005	14.41	625.60
		10/14/2005	14.40	625.61
		11/2/2005	16.92	623.09
		11/17/2005	16.99	623.02
		12/1/2005	15.12	624.89
		12/14/2005	16.11	623.90
		1/3/2006	15.12	624.89
		1/16/2006	14.91	625.10
		2/1/2006	12.21	627.80
		2/15/2006	10.32	629.69
		3/1/2006	12.38	627.63
		3/15/2006	8.79	631.22
		4/6/2006	14.09	625.92
		4/17/2006	13.46	626.55
		5/1/2006	12.76	627.25
		6/1/2006	16.67	623.34
		6/15/2006	16.79	623.22
		7/5/2006	17.32	622.69
		7/19/2006	14.05	625.96
		8/1/2006	17.27	622.74
		8/15/2006	17.43	622.58

NOTES
NM indicates water elevation not measured.
DRY indicates well did not contain groundwater.

TABLE 3-2
SUMMARY OF EFFLUENT DISCHARGES TO POTW
GRIFFIN TECHNOLOGY FACILITY
FARMINGTON, NEW YORK

MONTH	Gallons Discharged	TCE	1,1,1-TCA	Cis-1,2-DCE	2-BUTANONE	VINYL CHLORIDE	ACETONE	4-METHYL-2-PENTANONE
September 2005	64,720	110	ND	ND	ND	ND	ND	ND
October 2005	87,690	200	ND	ND	ND	ND	ND	ND
November 2005	106,530	86	ND	ND	ND	ND	ND	ND
December 2005	147,540	170	ND	ND	ND	ND	ND	ND
January 2006	249,690	44	ND	ND	ND	ND	ND	ND
February 2006	232,213	65	ND	ND	ND	ND	ND	ND
March 2006	264,457	53	ND	ND	ND	ND	ND	ND
April 2006	147,970	84	ND	ND	ND	ND	ND	ND
May 2006	129,650	90	ND	ND	ND	ND	ND	ND
June 2006	93,150	120	ND	ND	ND	ND	ND	ND
July 2006	72,010	130	3.5 J	2.3 J	ND	ND	ND	ND
August 2006	62,626	150	ND	ND	ND	ND	ND	ND

Notes:
All results expressed in micrograms per liter (μg/l).
No other VOC compounds detected.
ND indicates not detected.
J indicates an estimated value

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-01	12/19/1994	ND	ND	ND	ND	ND	ND
	5/21/1996	ND	ND	ND	ND	ND	ND
	8/13/1997	ND	ND	ND	ND	ND	ND
	3/18/1998	ND	ND	ND	ND	ND	ND
	9/2/1998	ND	ND	ND	ND	ND	ND
	3/18/1999	ND	ND	ND	ND	ND	ND
	9/2/1999	ND	ND	ND	ND	ND	ND
	3/28/2000	ND	ND	ND	ND	ND	ND
	9/8/2000	ND	ND	ND	ND	ND	ND
	3/8/2001	ND	ND	ND	ND	ND	ND
	9/13/2001	ND	ND	ND	ND	ND	ND
	5/24/2002	ND	ND	ND	ND	ND	ND
	6/18/2003	ND	ND	ND	ND	ND	ND
	6/23/2004	ND	ND	ND	ND	ND	ND
	7/19/2005	ND	ND	ND	ND	ND	ND
	7/20/2006	ND	ND	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-02S	12/19/1994	850	ND	ND	ND	ND	ND
	5/21/1996	30	ND	1	ND	ND	ND
	8/13/1997	DRY	DRY	DRY	DRY	DRY	DRY
	3/18/1998	17,000	ND	ND	ND	ND	ND
	9/2/1998	18,000	210	ND	ND	ND	ND
	3/18/1999	28	ND	ND	ND	ND	ND
	9/2/1999	DRY	DRY	DRY	DRY	DRY	DRY
	3/28/2000	6	ND	ND	ND	ND	ND
	9/8/2000	DRY	DRY	DRY	DRY	DRY	DRY
	3/8/2001	9	ND	ND	ND	ND	ND
	9/13/2001	DRY	DRY	DRY	DRY	DRY	DRY
	5/24/2002	4	ND	ND	ND	ND	ND
	6/18/2003	4	ND	ND	ND	ND	ND
	6/23/2004	130	2	ND	ND	ND	ND
	7/19/2005	DRY	DRY	DRY	DRY	DRY	DRY
	7/20/2006	2,100	37 J	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter ($\mu g/l$).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-02D	8/13/1997	450	23	42	ND	ND	ND
	3/18/1998	740	16	28	ND	ND	ND
	9/2/1998	680	25	39	ND	ND	ND
	3/18/1999	190	5	6	ND	ND	ND

Monitoring well converted to recovery well RW-4.

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-03	12/19/1994	190	ND	ND	ND	ND	ND
	5/21/1996	120	ND	2	ND	ND	ND
	8/13/1997	150	ND	2	ND	ND	ND
	3/18/1998	88	ND	ND	ND	ND	ND
	9/2/1998	110	ND	ND	ND	ND	ND
	3/18/1999	45	ND	ND	ND	ND	ND
	9/2/1999	170	ND	ND	ND	ND	ND
	3/28/2000	93	ND	ND	ND	ND	ND
	9/8/2000	150	ND	ND	ND	ND	ND
	3/8/2001	96	ND	ND	ND	ND	ND
	9/13/2001	120	ND	ND	ND	ND	ND
	5/24/2002	85	ND	ND	ND	ND	ND
	6/18/2003	40	ND	ND	ND	ND	ND
Duplicate	6/18/2003	56	ND	ND	ND	ND	ND
	6/23/2004	96	ND	ND	ND	ND	ND
	7/19/2005	100	ND	0.6	ND	ND	ND
	7/20/2006	60	ND	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-04	12/19/1994	710	6.7	23	ND	ND	ND
	5/21/1996	16	ND	2	ND	ND	ND
	8/13/1997	DRY	DRY	DRY	DRY	DRY	DRY
	3/18/1998	59	ND	2	ND	ND	ND
	9/2/1998	450	7	20	ND	ND	ND
	3/18/1999	58	ND	1	ND	ND	ND
	9/2/1999	DRY	DRY	DRY	DRY	DRY	DRY
	3/28/2000	9	ND	ND	ND	ND	ND
Duplicate	3/28/2000	9	ND	ND	ND	ND	ND
	9/8/2000	DRY	DRY	DRY	DRY	DRY	DRY
	3/8/2001	130	ND	2	ND	ND	ND
Duplicate	3/8/2001	130	ND	2	ND	ND	ND
	9/13/2001	DRY	DRY	DRY	DRY	DRY	DRY
	5/24/2002	67	ND	1	ND	ND	ND
Duplicate	5/24/2002	68	ND	1	ND	ND	ND
	6/18/2003	79	ND	ND	ND	ND	ND
	6/23/2004	75	ND	ND	ND	ND	ND
Duplicate	6/23/2004	73	ND	ND	ND	ND	ND
	7/19/2005	160	0.8	4	ND	ND	ND
Duplicate	7/19/2005	150	ND	4	ND	ND	ND
	7/20/2006	170	1.4 J	5.9 J	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-05S	12/19/1994	580	15	ND	ND	ND	ND
	5/21/1996	350	16	ND	ND	ND	ND
	8/13/1997	760	31	4	ND	ND	ND
	3/18/1998	120	4	ND	1	ND	ND
	9/2/1998	390	14	ND	ND	ND	ND
	3/18/1999	95	3	ND	ND	ND	ND
	9/2/1999	DRY	DRY	DRY	DRY	DRY	DRY
	3/28/2000	140	4	ND	ND	ND	ND
	9/8/2000	550	22	ND	ND	ND	ND
	3/8/2001	330	9	ND	ND	ND	ND
	9/13/2001	DRY	DRY	DRY	DRY	DRY	DRY
	5/24/2002	59	1	ND	ND	ND	ND
	6/18/2003	66	2	ND	ND	ND	ND
	6/23/2004	120	2	ND	ND	ND	ND
	7/19/2005	200	6	0.5	ND	ND	ND
	7/20/2006	100	2.6 J	ND	ND	ND	ND
Duplicate	7/20/2006	96	2.6 J	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-05D	12/19/1994	820	23	ND	ND	ND	ND
	5/21/1996	1,000	48	8	ND	ND	ND
	8/13/1997	250	7	2	ND	ND	ND
	3/18/1998	250	7	ND	ND	ND	ND
	9/2/1998	300	8	2	ND	ND	ND
	3/18/1999	200	7	2	ND	ND	ND
	9/2/1999	220	6	2	ND	ND	ND
	3/28/2000	190	4	ND	ND	ND	ND
	9/8/2000	160	3	ND	ND	ND	ND
	3/8/2001	160	3	ND	ND	ND	ND
	9/13/2001	120	3	ND	ND	ND	ND
Duplicate	9/13/2001	110	2	ND	ND	3	ND
	5/24/2002	160	4	ND	ND	ND	ND
	6/18/2003	110	3	ND	ND	ND	ND
	6/23/2004	130	3	ND	ND	ND	ND
	7/19/2005	77	2	0.9	ND	ND	ND
	7/20/2006	71 J	1.6 J	0.92 J	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-06S	12/19/1994	270	7.8	ND	ND	ND	ND
	5/21/1996	ND	2	ND	ND	ND	ND
	8/13/1997	140	9	3	ND	ND	ND
	3/18/1998	5	ND	ND	ND	ND	ND
	9/2/1998	140	8	2	ND	ND	ND
	3/17/1999	ND	ND	ND	ND	ND	ND
	9/2/1999	110	6	4	ND	ND	ND
	3/28/2000	3	ND	ND	ND	ND	ND
	9/8/2000	110	5	ND	ND	ND	ND
	3/8/2001	ND	ND	ND	ND	ND	ND
	9/13/2001	72	4	4	ND	ND	ND
	5/24/2002	3	ND	ND	ND	ND	ND
	6/18/2003	8	ND	ND	ND	ND	ND
	6/23/2004	ND	ND	ND	ND	ND	ND
	7/19/2005	60	3	0.5	ND	ND	ND
	7/20/2006	48	2.4 J	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-06D	12/19/1994	190	7.5	ND	ND	ND	ND
	5/21/1996	240	10	ND	ND	ND	ND
	8/13/1997	150	10	2	ND	ND	ND
	3/18/1998	6	ND	ND	ND	ND	ND
	9/2/1998	140	8	2	ND	ND	ND
	3/17/1999	ND	ND	ND	ND	ND	ND
	9/2/1999	110	7	2	ND	ND	ND
	3/28/2000	89	5	1	ND	ND	ND
	9/8/2000	110	6	ND	ND	ND	ND
Duplicate	9/8/2000	110	6	ND	ND	ND	ND
	3/8/2001	95	5	ND	ND	ND	ND
	9/13/2001	80	4	3	ND	3	ND
	5/24/2002	91	4	ND	ND	ND	ND
	6/18/2003	70	4	ND	ND	ND	ND
	6/23/2004	67	3	ND	ND	ND	ND
	7/19/2005	59	3	0.5	ND	ND	ND
	7/20/2006	50	2.7 J	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-07S	12/19/1994	250	6.6	8	ND	ND	ND
	5/21/1996	310	7	6	ND	ND	ND
	8/13/1997	250	6	6	ND	ND	ND
	3/18/1998	3	ND	ND	ND	ND	ND
	9/2/1998	220	5	4	ND	ND	ND
	3/17/1999	ND	ND	ND	ND	ND	ND
	9/2/1999	220	4	4	ND	ND	ND
	3/28/2000	210	4	3	ND	ND	ND
	9/8/2000	210	ND	ND	ND	ND	ND
	3/8/2001	200	4	3	ND	ND	ND
	9/13/2001	190	3	4	ND	ND	ND
	5/24/2002	180	3	2	ND	ND	ND
	6/18/2003	130	2	2	ND	ND	ND
	6/23/2004	130	2	1	ND	ND	ND
	7/19/2005	120	2	2	ND	ND	ND
	7/20/2006	92	2.6 J	1.5 J	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-07D	12/19/1994	260	ND	7	ND	ND	ND
	5/21/1996	290	4	12	ND	ND	ND
	8/13/1997	180	2	13	ND	ND	ND
	3/18/1998	150	2	15	ND	ND	ND
	9/2/1998	200	2	15	ND	ND	ND
	3/17/1999	100	ND	8	ND	ND	ND
	9/2/1999	180	2	14	ND	ND	ND
	3/28/2000	130	ND	19	ND	ND	4
	9/8/2000	180	ND	13	ND	ND	ND
	3/8/2001	140	ND	20	ND	ND	3
	9/13/2001	150	1	14	ND	ND	ND
	5/24/2002	140	ND	19	ND	ND	4
	6/18/2003	120	ND	16	ND	ND	2
	6/23/2004	130	ND	15	ND	ND	1
	7/19/2005	120	ND	19	ND	ND	ND
	7/20/2006	110	0.64 J	19	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (µg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-08S	12/19/1994	29	ND	ND	ND	ND	ND
	Well abandoned.						
MW-08D	12/19/1994	55	ND	ND	ND	ND	ND
	Well abandoned.						

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-09S	12/19/1994	ND	ND	ND	ND	ND	ND
	5/21/1996	ND	ND	ND	ND	ND	ND
	8/13/1997	2	ND	ND	ND	ND	ND
	3/18/1998	3	ND	ND	ND	ND	ND
	9/2/1998	NS	NS	NS	NS	NS	NS
	3/18/1999	ND	ND	ND	ND	ND	ND
	9/2/1999	ND	ND	ND	ND	ND	ND
	3/28/2000	ND	ND	ND	ND	ND	ND
	9/8/2000	ND	ND	ND	ND	ND	ND
	3/8/2001	ND	ND	ND	ND	ND	ND
	9/13/2001	ND	ND	ND	ND	ND	ND
	5/24/2002	ND	ND	ND	ND	ND	ND
	6/18/2003	ND	ND	ND	ND	ND	ND
	6/23/2004	ND	ND	ND	ND	ND	ND
	7/19/2005	ND	ND	ND	ND	ND	ND
	7/20/2006	ND	ND	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-09D	12/19/1994	ND	ND	ND	ND	ND	ND
	5/21/1996	ND	ND	ND	ND	ND	ND
	8/13/1997	ND	ND	ND	ND	ND	ND
	3/18/1998	ND	ND	ND	ND	ND	ND
	9/2/1998	NS	NS	NS	NS	NS	NS
	3/18/1999	ND	ND	ND	ND	ND	ND
	9/2/1999	ND	ND	ND	ND	ND	ND
	3/28/2000	ND	ND	ND	ND	ND	ND
	9/8/2000	ND	ND	ND	ND	ND	ND
	3/8/2001	ND	ND	ND	ND	ND	ND
	9/13/2001	ND	ND	ND	ND	3	ND
	5/24/2002	ND	ND	1	ND	ND	ND
	6/18/2003	ND	ND	ND	ND	ND	ND
	6/23/2004	ND	ND	1	ND	ND	ND
	7/19/2005	ND	ND	2	ND	ND	ND
	7/20/2006	ND	ND	2.0 J	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (µg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-10S	12/19/1994	7.8	ND	ND	ND	ND	ND
	5/29/1996	30	1	ND	ND	ND	ND
	8/13/1997	15	ND	ND	ND	ND	ND
	3/18/1998	NS	NS	NS	NS	NS	NS
	9/2/1998	8	ND	ND	ND	ND	ND
	3/18/1999	ND	ND	ND	ND	ND	ND
	9/2/1999	7	ND	ND	ND	ND	ND
	3/28/2000	1	ND	ND	ND	ND	ND
	9/8/2000	3	ND	ND	ND	ND	ND
	3/8/2001	ND	ND	ND	ND	ND	ND
	9/13/2001	6	ND	ND	ND	ND	ND
	5/24/2002	ND	ND	ND	ND	ND	ND
	6/18/2003	ND	ND	ND	ND	ND	ND
	6/23/2004	3	ND	ND	ND	ND	ND
Duplicate	6/23/2004	3	ND	ND	ND	ND	ND
	7/19/2005	ND	ND	ND	ND	ND	ND
Duplicate	7/19/2005	0.5	ND	ND	ND	ND	ND
	7/20/2006	2.7 J	ND	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

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Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-10D	12/19/1994	8.2	ND	ND	ND	ND	ND
	5/29/1996	8	ND	ND	ND	ND	ND
	8/13/1997	15	ND	ND	ND	ND	ND
	3/18/1998	NS	NS	NS	NS	NS	NS
	9/2/1998	9	ND	ND	ND	ND	ND
	3/18/1999	ND	ND	ND	ND	ND	ND
	9/2/1999	7	ND	ND	ND	ND	ND
	3/28/2000	3	ND	ND	ND	ND	ND
	9/8/2000	6	ND	ND	ND	ND	ND
	3/8/2001	5	ND	ND	ND	ND	ND
	9/13/2001	6	ND	ND	ND	ND	ND
	5/24/2002	4	ND	ND	ND	ND	ND
	6/18/2003	5	ND	ND	ND	ND	ND
	6/23/2004	5	ND	ND	ND	ND	ND
	7/19/2005	6	ND	ND	ND	ND	ND
	7/24/2006	4.4 J	ND	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (µg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-11D	4/11/1996	ND	ND	ND	ND	ND	ND
	5/21/1996	ND	ND	ND	ND	ND	ND
	8/13/1997	ND	ND	ND	ND	ND	ND
	3/18/1998	ND	ND	ND	ND	ND	ND
	9/2/1998	ND	ND	ND	ND	ND	ND
	3/18/1999	ND	ND	ND	ND	ND	ND
	9/2/1999	ND	ND	ND	ND	ND	ND
	3/28/2000	ND	ND	ND	ND	ND	ND
	9/8/2000	ND	ND	ND	ND	ND	ND
	3/8/2001	ND	ND	ND	ND	ND	ND
	9/13/2001	ND	ND	ND	ND	ND	ND
	5/24/2002	ND	ND	ND	ND	ND	ND
	6/18/2003	ND	ND	ND	ND	ND	ND
	6/23/2004	ND	ND	ND	ND	ND	ND
	7/19/2005	ND	ND	ND	ND	ND	ND
	7/24/2006	ND	ND	ND	ND	ND	ND

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter (μg/l).

"ND" indicates not detected.

"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

TABLE 3-3
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

Monitoring Well No.	Sample Date	TCE	1,1,1-TCA	CIS-1,2-DCE	Xylenes	Acetone	Vinyl Chloride
MW-13D	4/11/1996	610	5	4	ND	ND	ND
	5/21/1996	190	5	4	ND	ND	ND
	8/13/1997	160	4	4	ND	ND	ND
	3/18/1998	110	2	ND	ND	ND	ND
	9/2/1998	140	3	2	ND	ND	ND
	3/17/1999	120	2	2	ND	ND	ND
	9/2/1999	140	3	2	ND	ND	ND
	3/28/2000	85	2	ND	ND	ND	ND
	9/8/2000	140	ND	ND	ND	ND	ND
	3/8/2001	88	2	ND	ND	ND	ND
	9/13/2001	120	2	ND	ND	ND	ND
	5/24/2002	100	2	1	ND	ND	ND
	6/18/2003	Monitoring well buried under pavement					

Notes:

12/19/94 data collected by Blasland, Bouck & Lee.

All results expressed in micrograms per liter ($\mu g/l$).

"ND" indicates not detected.

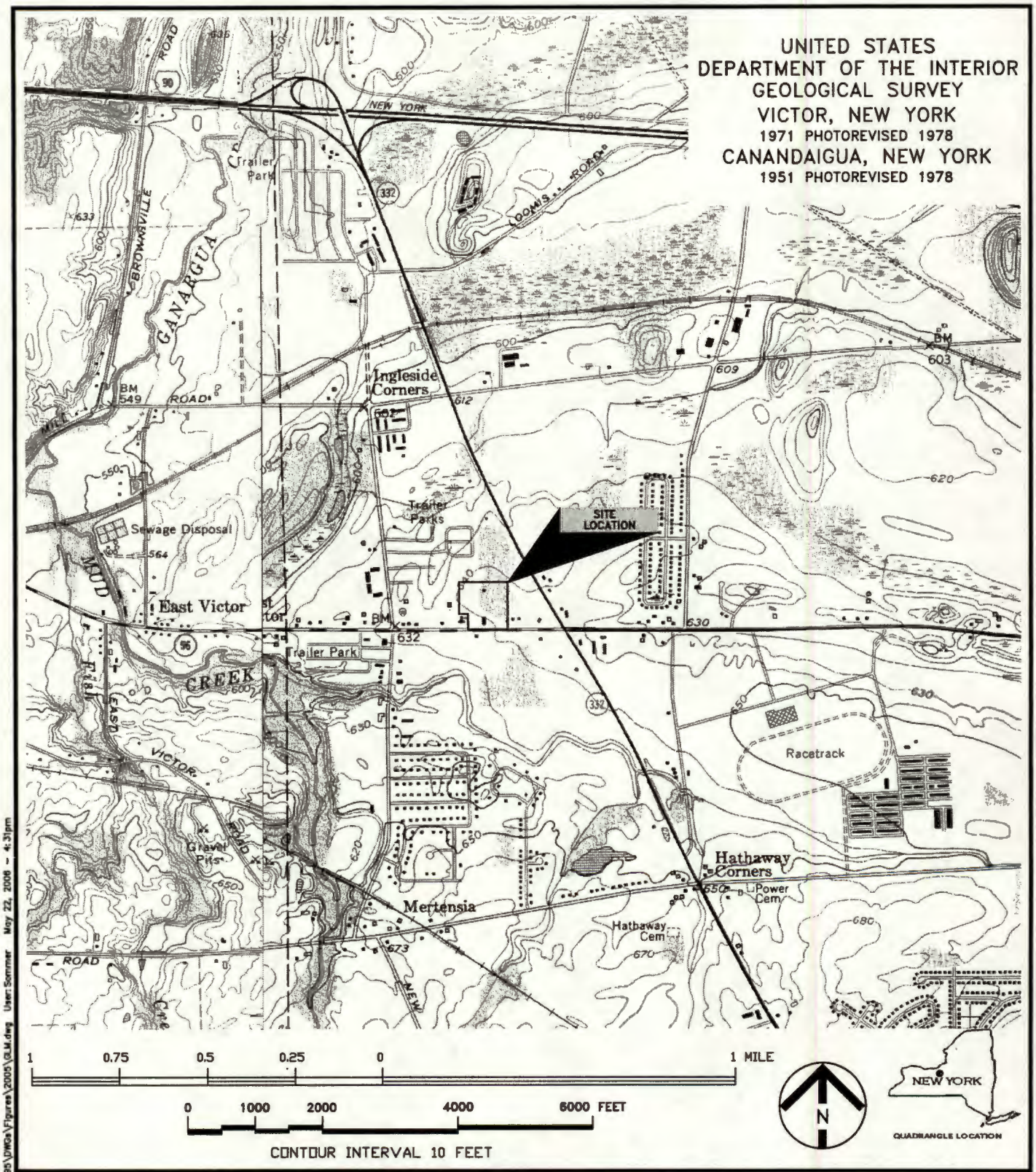
"NS" indicates no sample collected; unable to locate or access well.

"DRY" indicates well not sampled due to lack of water.

"J" indicates an estimated value.

Data presented includes actual and estimated concentrations based on Level IV Data Validation Procedures. Refer to analytical data and data validation report for additional descriptions.

Figures



GENERAL LOCATION MAP

FORMER GRIFFIN TECHOLOGY INC. SITES – ONTARIO COUNTY – FARMINGTON, NEW YORK

DRAWN BY: JML	CHECKED BY: CAP	PROJECT NUMBER: 13807296	DATE: 11/9/05	FIGURE NO: 1-1

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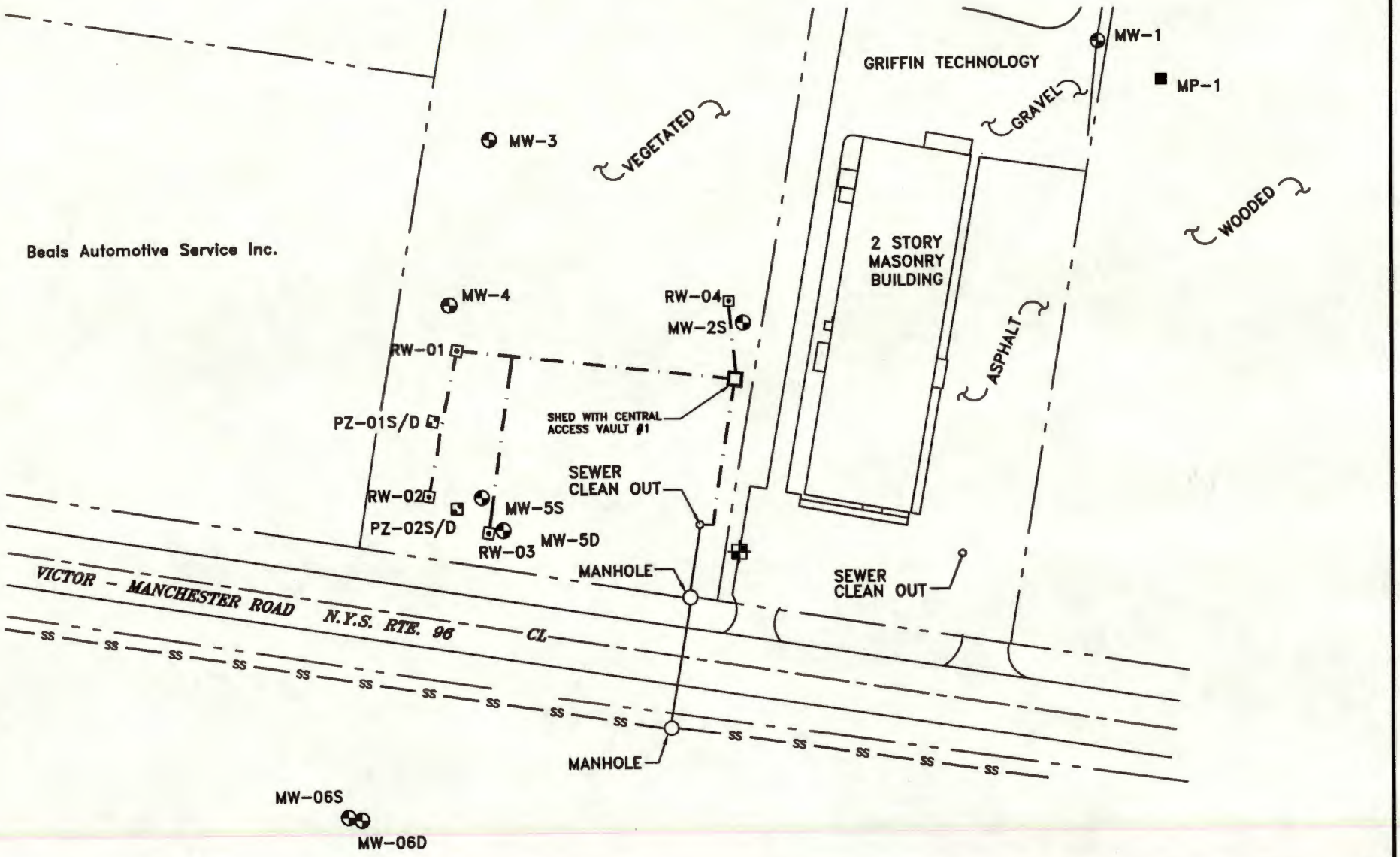

GRIFFIN TECHNOLOGY, INC.
Farmington, New York

Figure 2-1
IRM System Layout

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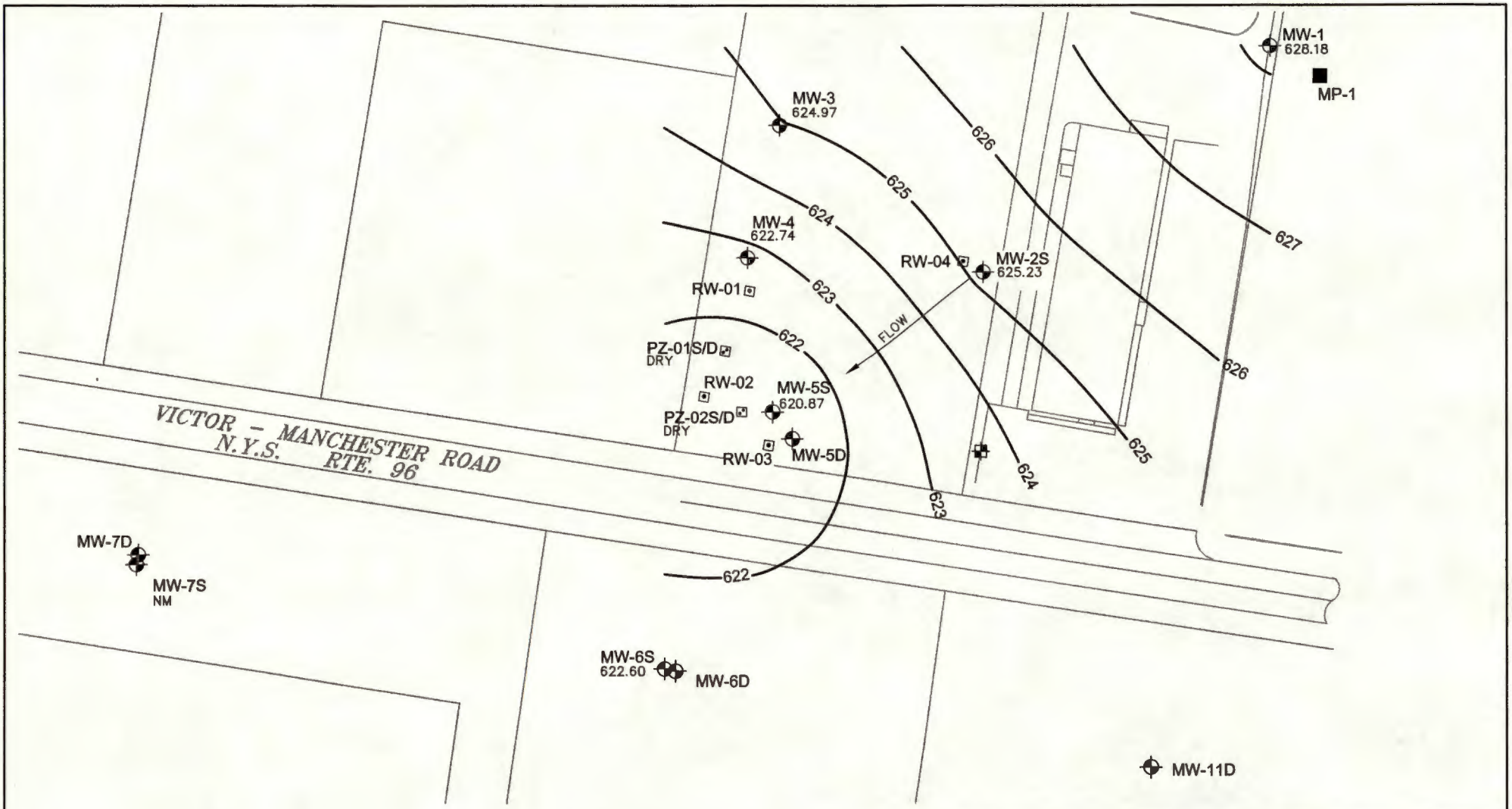

LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK
- 735.99 — GROUNDWATER ELEVATION
- FLOW — GROUNDWATER FLOW DIRECTION
- 737 — APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)
- NM — NO MEASUREMENT

0 50 100

SCALE 1" = 100'

N

URS

GRIFFIN TECHNOLOGY, INC.

FARMINGTON, NEW YORK

OVERBURDEN GROUNDWATER CONTOUR MAP - September 15, 2005

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-1

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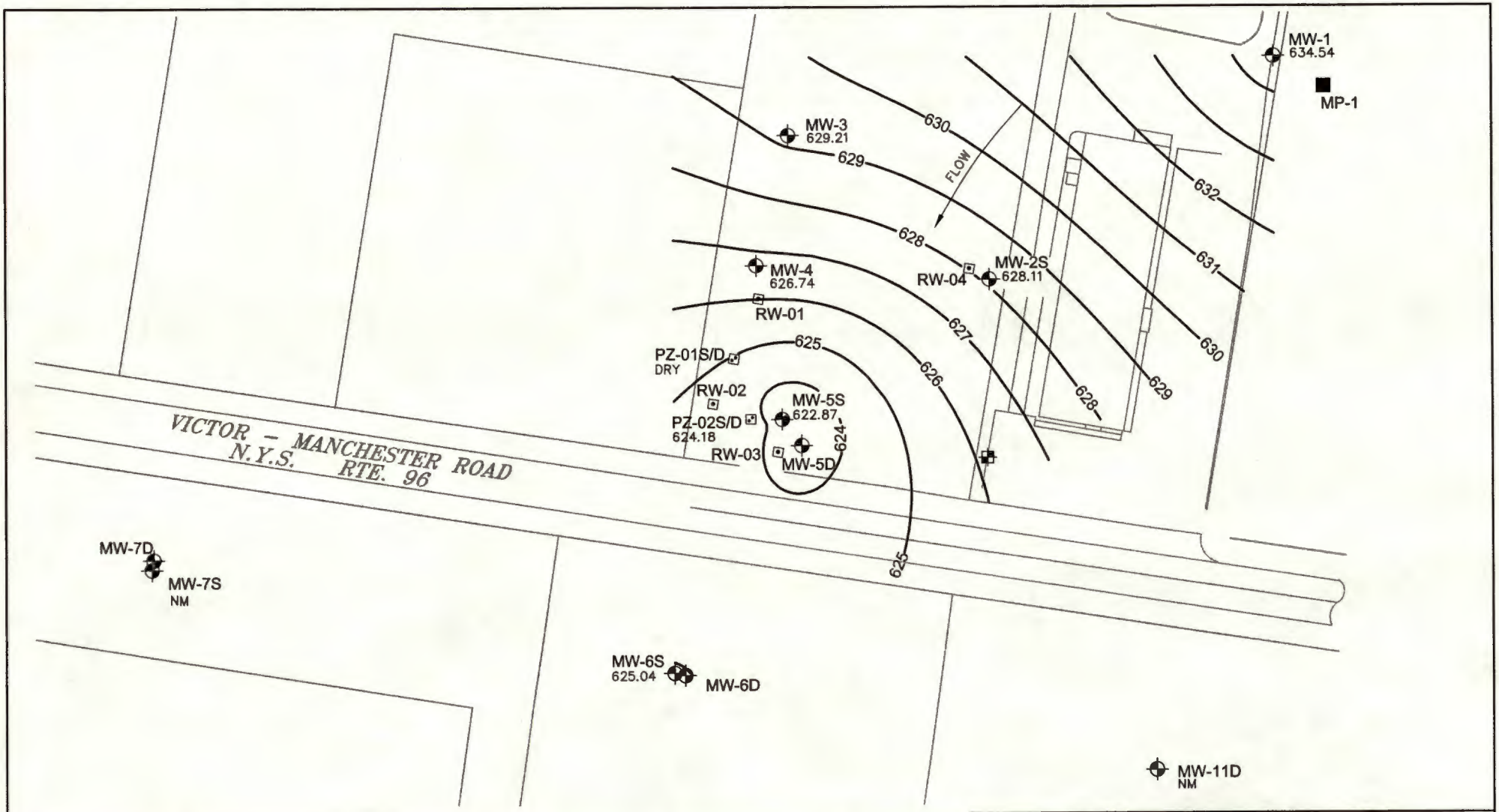


LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK
- 735.99 — GROUNDWATER ELEVATION
- FLOW — GROUNDWATER FLOW DIRECTION
- 737 — APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)
- NM — NO MEASUREMENT

0 50 100

SCALE 1" = 100'

N

URS

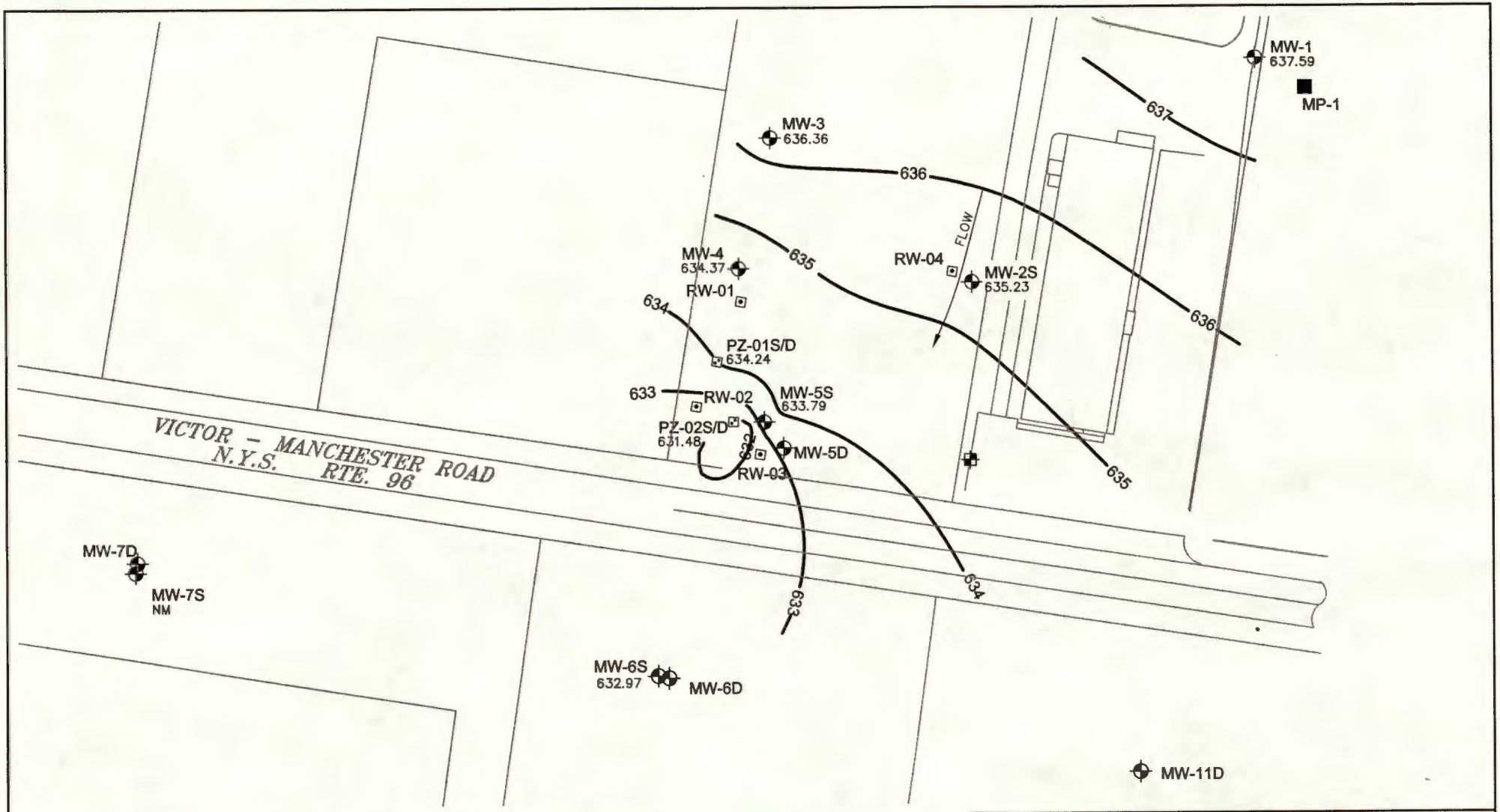
GRIFFIN TECHNOLOGY, INC.

FARMINGTON, NEW YORK

OVERBURDEN GROUNDWATER CONTOUR MAP - December 14, 2005

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-2

P:\D\Diebold\13807295\DWGs\Figures\2006\2005-12-14S.dwg User: vari Oct 12, 2006 - 2:51pm



LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK
- 735.99 — GROUNDWATER ELEVATION
- FLOW — GROUNDWATER FLOW DIRECTION
- 737 — APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)
- NM — NO MEASUREMENT

0 50 100

SCALE 1" = 100'

N

URS

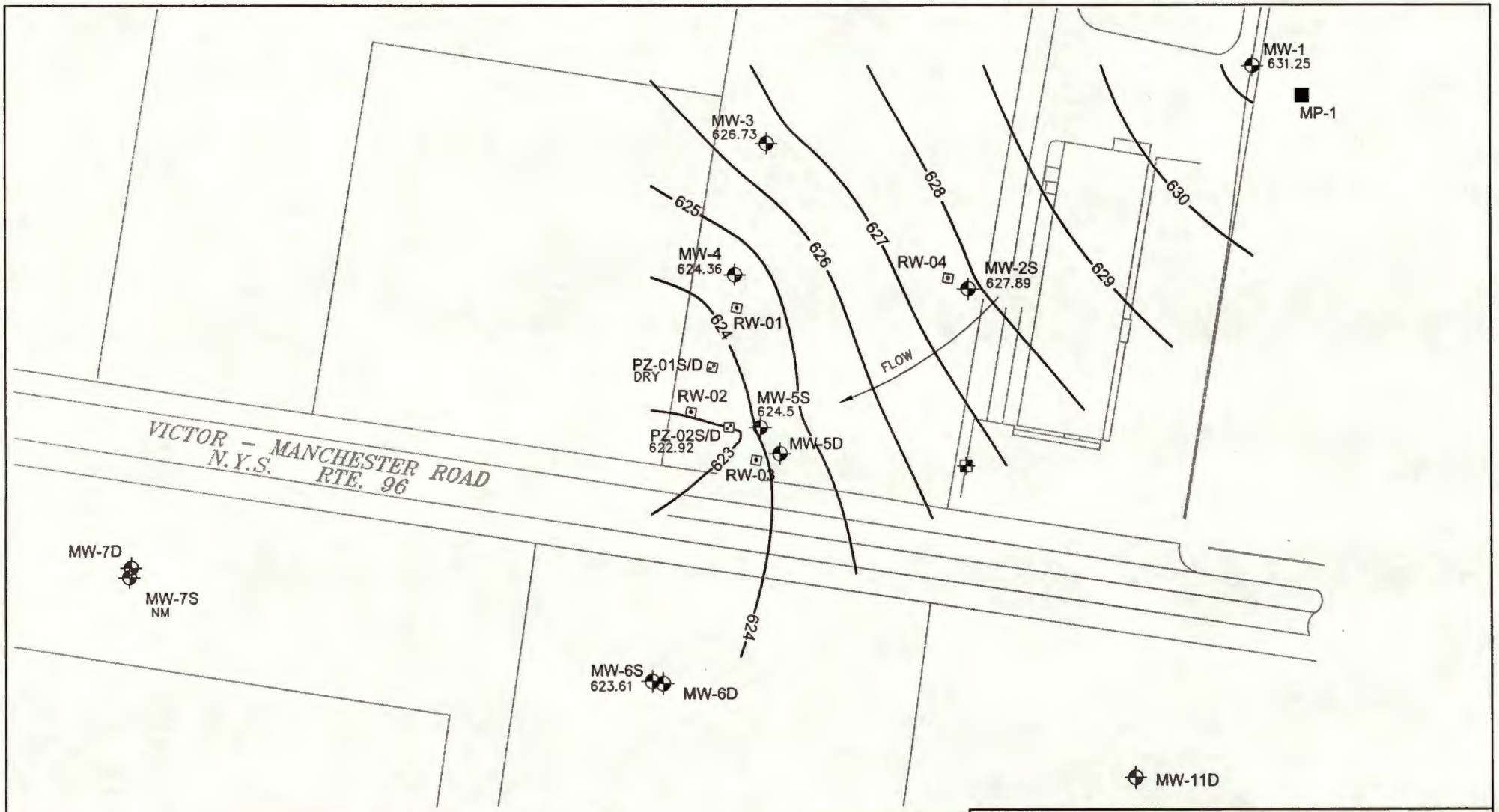
GRIFFIN TECHNOLOGY, INC.

FARMINGTON, NEW YORK

OVERBURDEN GROUNDWATER CONTOUR MAP - March 15, 2006

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-3

P:\D\Diebold\13807295\DWGs\Figures\2006\2006-3-15S.dwg User: vari Oct 12, 2006 - 2:34pm



LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK

735.99 GROUNDWATER ELEVATION

FLOW GROUNDWATER FLOW DIRECTION

737 APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)

NM NO MEASUREMENT

0 50 100

SCALE 1" = 100'

N

URS

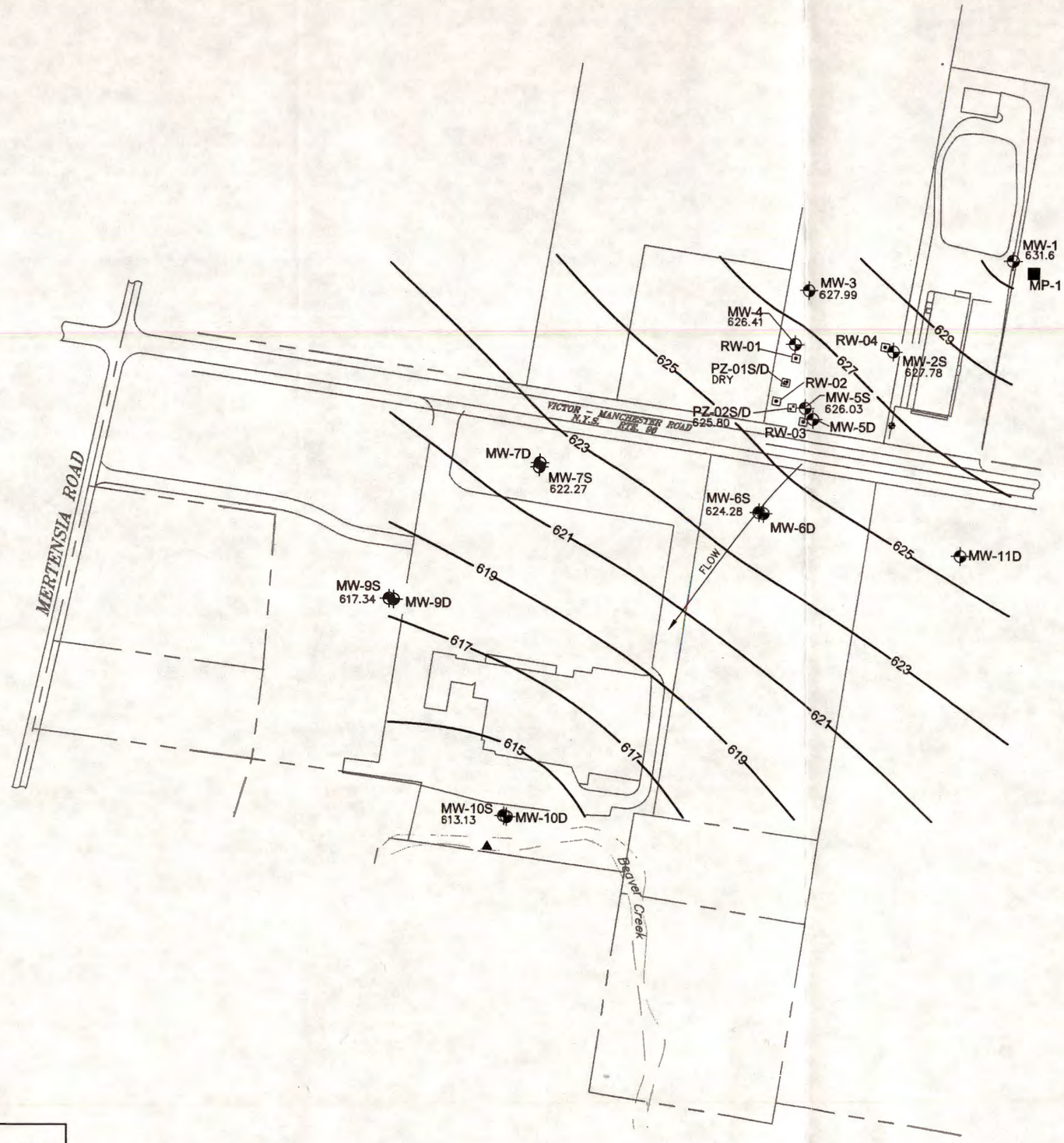
GRIFFIN TECHNOLOGY, INC.

FARMINGTON, NEW YORK

OVERBURDEN GROUNDWATER CONTOUR MAP - June 15, 2006

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-4

P: \D\Diebold\13807295\DWGs\Figures\2006\2006-6-15S.dwg User: Sommer Oct 13, 2006 - 1:24pm



LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK
- 735.99 GROUNDWATER ELEVATION
- FLOW GROUNDWATER FLOW DIRECTION
- 737 APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)
- NM NO MEASUREMENT

0 100 200
SCALE 1" = 200'

N

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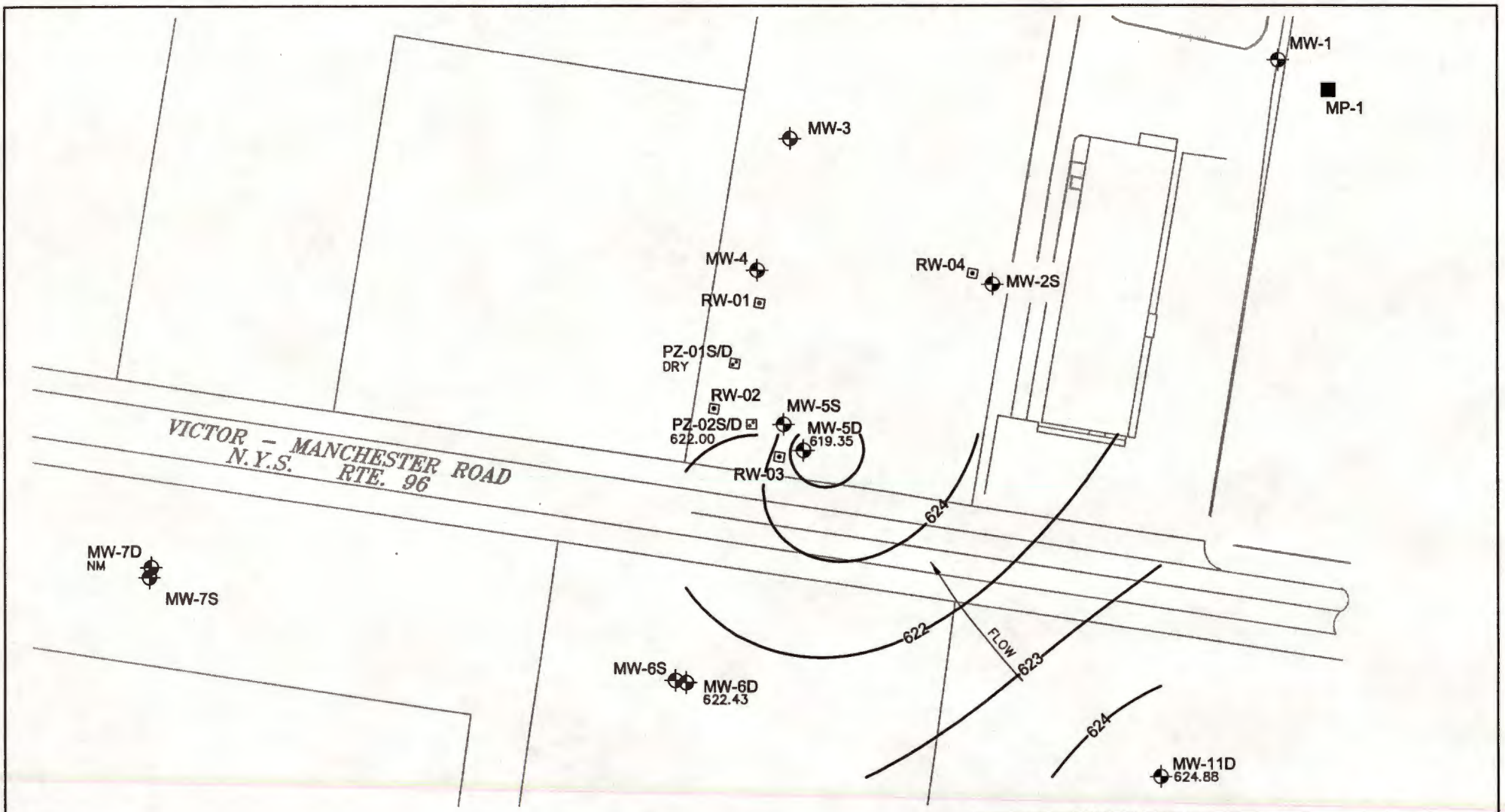
URS

GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

OVERBURDEN GROUNDWATER CONTOUR MAP - July 20, 2006

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-5



LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK
- 735.99 — GROUNDWATER ELEVATION
- FLOW — GROUNDWATER FLOW DIRECTION
- 737 — APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)
- NM — NO MEASUREMENT

0 50 100

SCALE 1" = 100'

N

URS

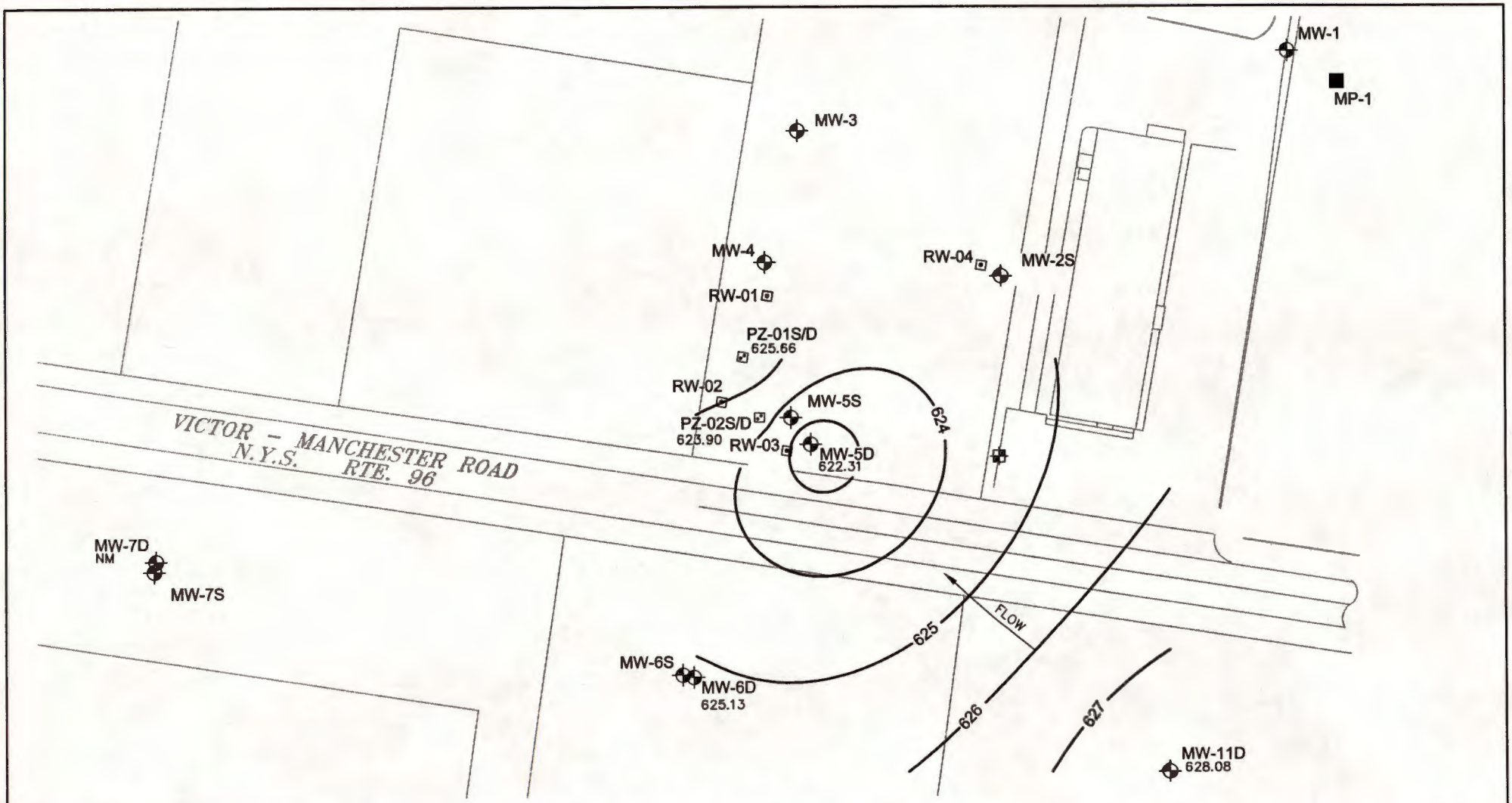
GRIFFIN TECHNOLOGY, INC.

FARMINGTON, NEW YORK

BEDROCK GROUNDWATER CONTOUR MAP - September 15, 2005

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-6

P:\D\Diebold\13807295\DWGs\Figures\2006\2005-09-15D.dwg User: Sommer Oct 31, 2006 – 12:24pm



LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK

735.99 GROUNDWATER ELEVATION

FLOW GROUNDWATER FLOW DIRECTION

737 APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)

NM NO MEASUREMENT

0 50 100

SCALE 1" = 100'

N

URS

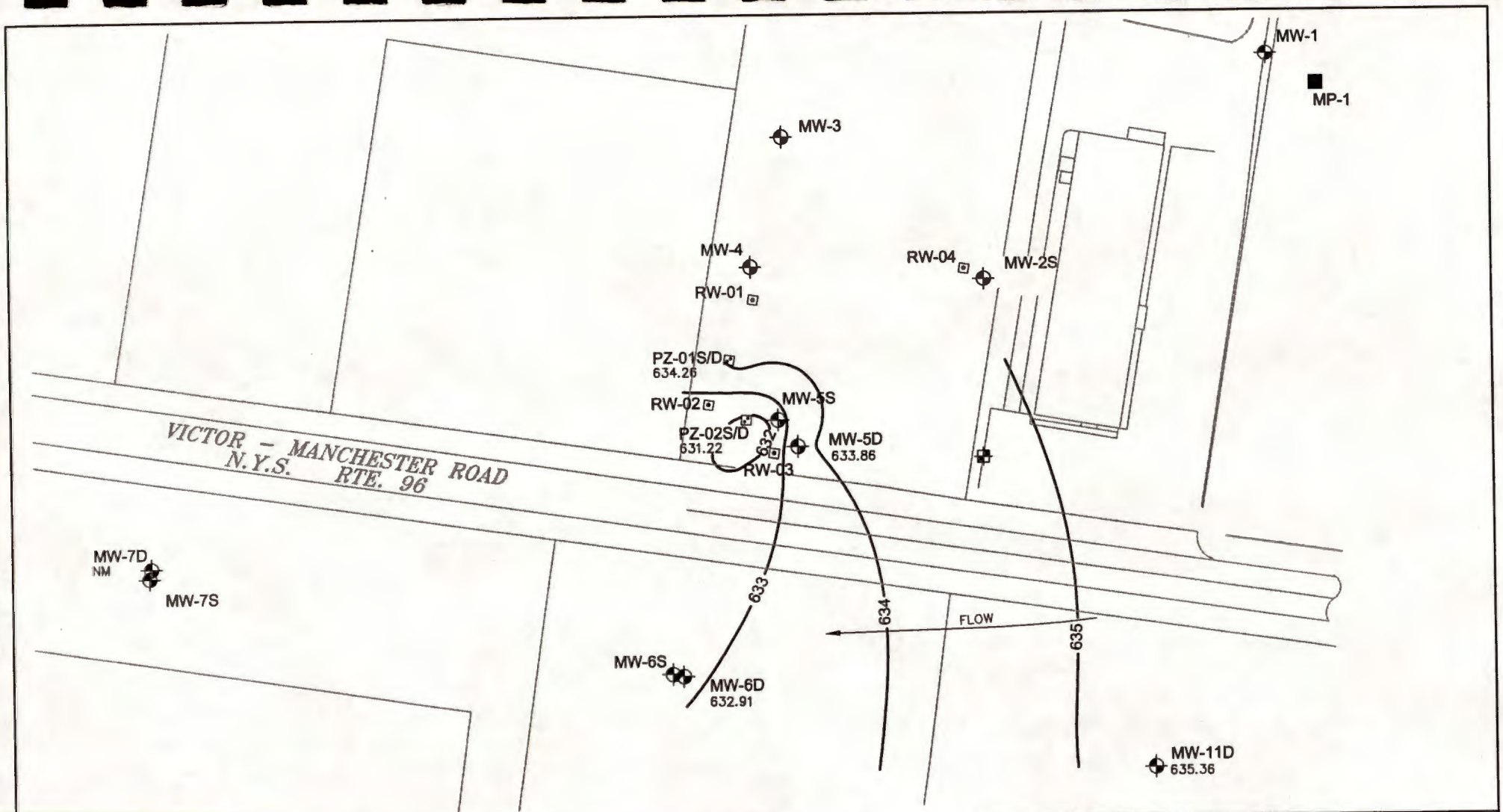
GRIFFIN TECHNOLOGY, INC.

FARMINGTON, NEW YORK

BEDROCK GROUNDWATER CONTOUR MAP - December 14, 2005

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-7

P: \D\Diebold\13807295\DWGs\Figures\2006\2005-12-14D.dwg User: Sommer Oct 31, 2006 - 12:24pm



LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK
- 735.99 — GROUNDWATER ELEVATION
- FLOW — GROUNDWATER FLOW DIRECTION
- 737 — APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)
- NM — NO MEASUREMENT

0 50 100

SCALE 1" = 100'

N

URS

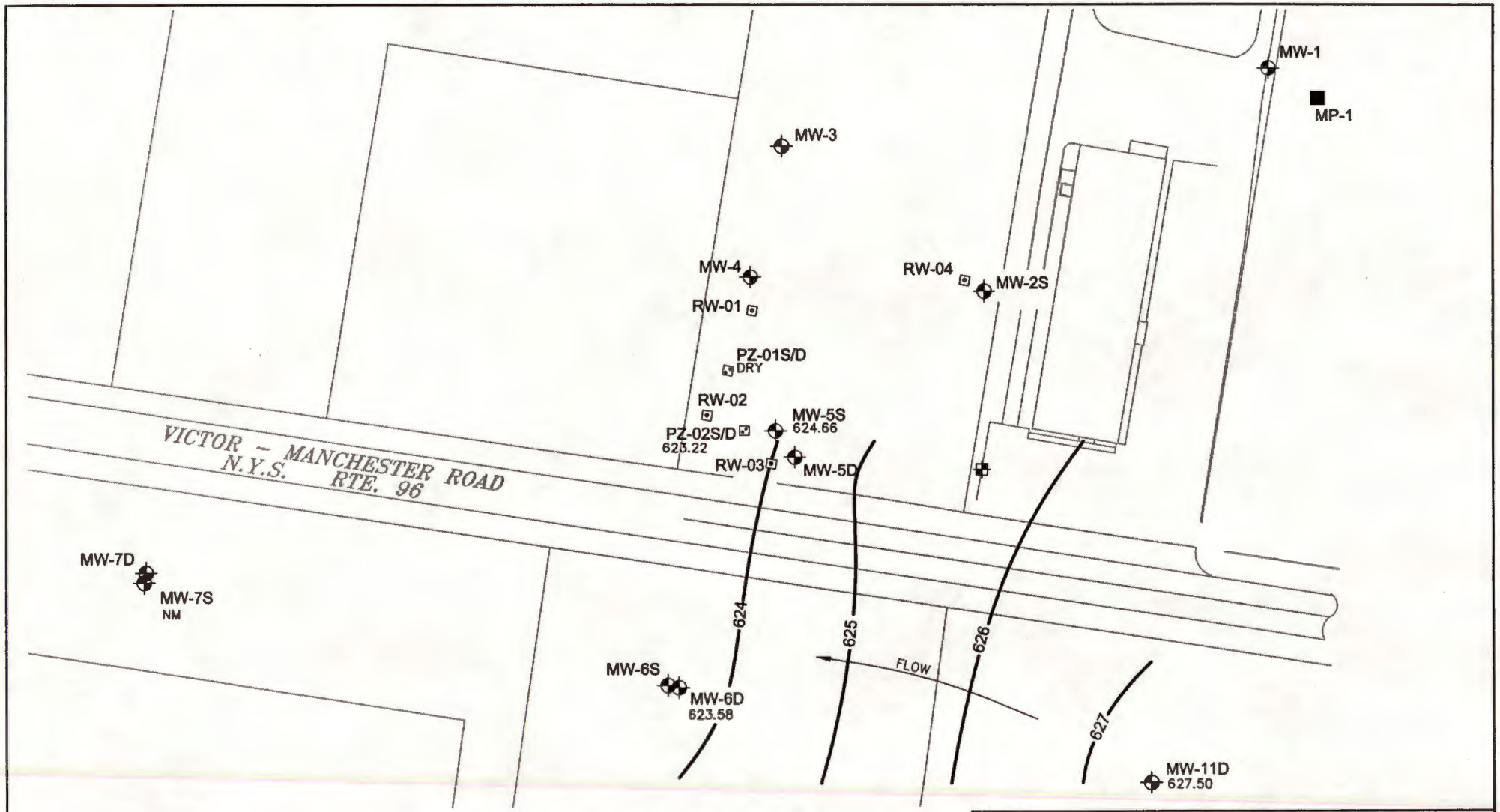
GRIFFIN TECHNOLOGY, INC.

FARMINGTON, NEW YORK

BEDROCK GROUNDWATER CONTOUR MAP - March 15, 2006

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-8

P:\D\Diebold\13807295\DWGs\Figures\2006\2006-3-15D.dwg User: Sommer Oct 31, 2006 - 12:25pm



LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK
- 735.99 — GROUNDWATER ELEVATION
- FLOW — GROUNDWATER FLOW DIRECTION
- 737 — APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)
- NM — NO MEASUREMENT

0 50 100

SCALE 1" = 100'

N

URS

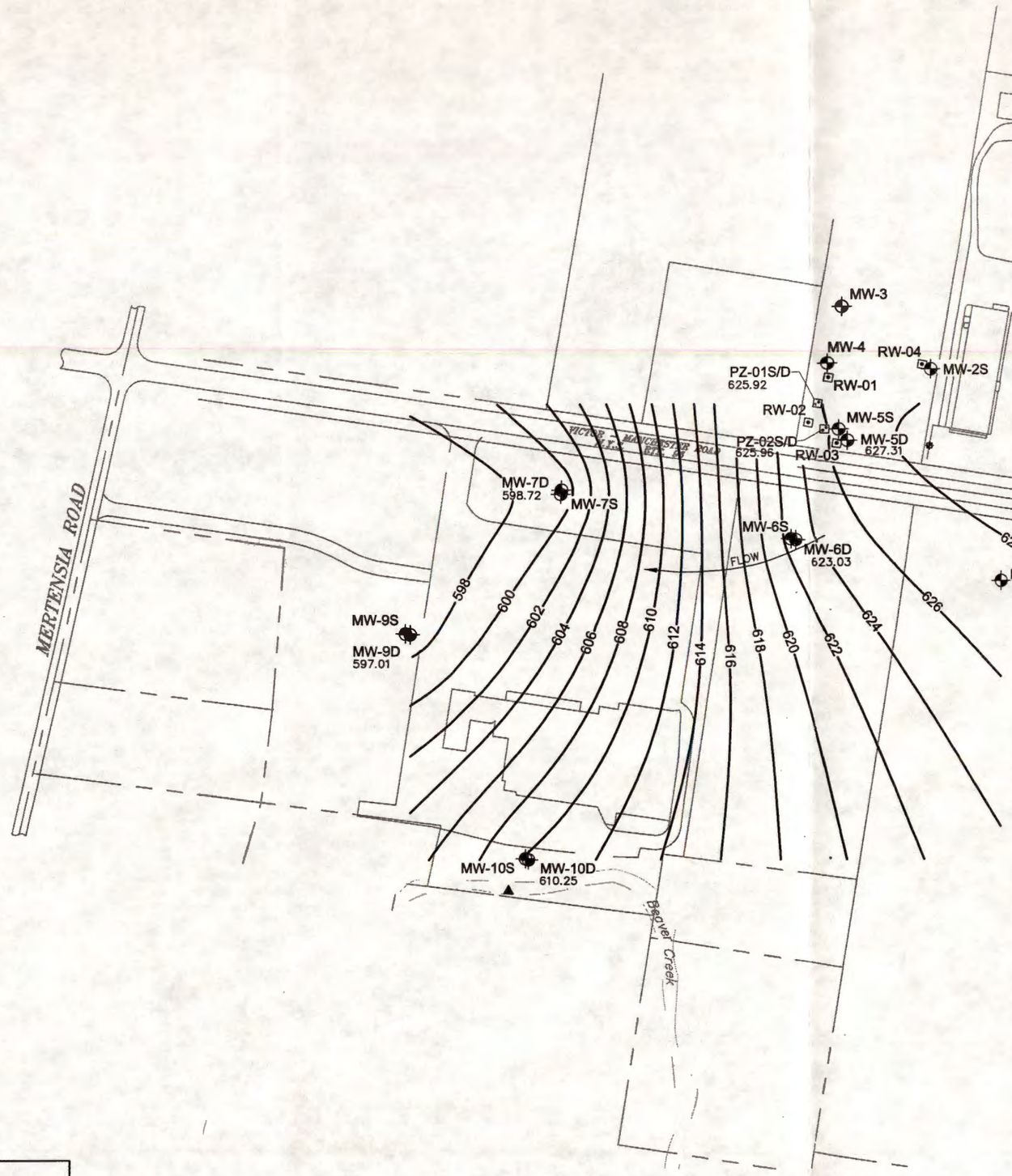
GRIFFIN TECHNOLOGY, INC.

FARMINGTON, NEW YORK

BEDROCK GROUNDWATER CONTOUR MAP - June 15, 2006

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-9

P:\D\Diebold\13807295\DWGs\Figures\2006\2006-6-15D.dwg User: Sommer Oct 31, 2006 - 12:27pm



LEGEND

- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER (SHALLOW/DEEP)
- STAFF GAUGE
- MARKER POST
- BENCHMARK
- 735.99 — GROUNDWATER ELEVATION
- FLOW — GROUNDWATER FLOW DIRECTION
- 737 — APPROXIMATE GROUNDWATER CONTOUR (CONTOUR INTERVAL = 1 FOOT)
- NM — NO MEASUREMENT

URS

GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK

BEDROCK GROUNDWATER CONTOUR MAP - July 20, 2006

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JPF	AS	13807295	9/28/06	3-10

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Appendix A
Recovery Well Effluent Analytical Results

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

September 21, 2005

Mr. Larry Szuhay
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFEN
Submission #:R2527832

Dear Mr. Szuhay

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael K Perry

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFEN
Lab Submission # : R2527832
Project Manager : Michael Perry
Reported : 09/21/05

Report Contains a total of 8 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

Columbia Analytical Services, Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2527832

Lab ID	Client ID
842664	EFF091505

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2004 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

COLUMBIA ANALYTICAL SE: CES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 09/21/05

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : EFF091505

Date Sampled : 09/15/05 08:45 **Order #:** 842664 **Sample Matrix:** WATER
Date Received: 09/15/05 **Submission #:** R2527832 **Analytical Run** 120477

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/19/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	110	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
-BROMOFLUOROBENZENE	(80 - 123 %)	99	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	99	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 843329 ANALYTICAL RUN # : 120477

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 09/19/05			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	100	50 - 150
BENZENE	20.0	103	70 - 130
BROMODICHLOROMETHANE	20.0	92	70 - 130
BROMOFORM	20.0	96	70 - 130
BROMOMETHANE	20.0	159 *	50 - 150
2-BUTANONE (MEK)	20.0	105	50 - 150
CARBON DISULFIDE	20.0	101	70 - 130
CARBON TETRACHLORIDE	20.0	113	70 - 130
CHLOROBENZENE	20.0	103	70 - 130
CHLOROETHANE	20.0	121	70 - 130
CHLOROFORM	20.0	109	70 - 130
CHLOROMETHANE	20.0	128	70 - 130
DIBROMOCHLOROMETHANE	20.0	97	70 - 130
1,1-DICHLOROETHANE	20.0	112	70 - 130
1,2-DICHLOROETHANE	20.0	98	70 - 130
1,1-DICHLOROETHENE	20.0	127	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	101	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	110	70 - 130
1,2-DICHLOROPROPANE	20.0	93	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	90	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	90	70 - 130
ETHYLBENZENE	20.0	110	70 - 130
2-HEXANONE	20.0	101	70 - 130
METHYLENE CHLORIDE	20.0	112	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	96	70 - 130
STYRENE	20.0	96	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	95	70 - 130
TETRACHLOROETHENE	20.0	111	70 - 130
TOLUENE	20.0	103	70 - 130
1,1,1-TRICHLOROETHANE	20.0	114	70 - 130
1,1,2-TRICHLOROETHANE	20.0	95	70 - 130
TRICHLOROETHENE	20.0	96	70 - 130
VINYL CHLORIDE	20.0	129	70 - 130
O-XYLENE	20.0	104	70 - 130
M+P-XYLENE	40.0	104	70 - 130

COLUMBIA ANALYTICAL SE[illegible] CES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 09/21/05

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 843327 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 120477

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/19/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	115	%
TOLUENE-D8	(88 - 124 %)	119	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	110	%

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Analy Services INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 1 OF 1

SR #

CAS Contact

Project Name: GRIFFIN	Project Number: 13807296.00000
Project Manager: LARRY SZUHAY	Report CC: Aaron Sommer
Company/Address: LWRS 634 St. Clair Cleveland OH 44113	
Phone #: 216 622 2400	FAX#: 216 622 2464
Sampler's Signature:	Sampler's Printed Name: Jen Christy

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: HCl

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260B							REMARKS/ ALTERNATE DESCRIPTION
FFF091505		9/15/05	0845	W	3								X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
_____ STANDARD
REQUESTED FAX DATE Per Contract
_____
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries Per Contract
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO: Per Contract
R2527832
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 23°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Jennifer Christy	Printed Name: Gregory P. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: LWRS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 09/15/05 925	Date/Time: 9-15-05 9:25	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Co : Receipt And Preservation Check F. 1

Project/Client URS Submission Number RR-27832.

Cooler received on 9-15-05 by: KE **COURIER:** CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	YES	(NO)		
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO		
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO		
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A	
5.	Were **Ice** or **Ice packs** present?	YES	(NO)		
6.	Where did the bottles originate?	(CAS/ROC,)	CLIENT		
7.	Temperature of cooler(s) upon receipt:	23°			
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	(No)	No	No	No	No

Date/Time Temperatures Taken: 9-15-05 @ 9:22

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MRP 9/15/05

Cooler Breakdown: Date: 9-19-05 by: KE

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH_____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

November 8, 2005

Mr. Larry Szuhay
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFEN
Submission #:R2528326

Dear Mr. Szuhay:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 11/08/05 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael E. Perry

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services, Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFEN
Lab Submission # : R2528326
Project Manager : Michael Perry
Reported : 11/08/05

Report Contains a total of 8 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

Columbia Analytical Services, Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2528326

Lab ID	Client ID
850945	EFF101405

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2004 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

COLUMBIA ANALYTICAL :VICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/08/05

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : EFF101405

Date Sampled : 10/14/05 08:35 **Order #:** 850945 **Sample Matrix:** WATER
Date Received: 10/14/05 **Submission #:** R2528326 **Analytical Run** 122544

DATE ANALYZED : 10/18/05
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
)IBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	200	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
ı-BROMOFLUOROBENZENE	(80 - 123 %)	101	%
TOLUENE-D8	(88 - 124 %)	95	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 857406 ANALYTICAL RUN # : 122544

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 10/18/05			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	116	50 - 150
BENZENE	20.0	87	70 - 130
BROMODICHLOROMETHANE	20.0	98	70 - 130
BROMOFORM	20.0	104	70 - 130
BROMOMETHANE	20.0	104	50 - 150
2-BUTANONE (MEK)	20.0	102	50 - 150
CARBON DISULFIDE	20.0	104	70 - 130
CARBON TETRACHLORIDE	20.0	85	70 - 130
CHLOROBENZENE	20.0	91	70 - 130
CHLOROETHANE	20.0	93	70 - 130
CHLOROFORM	20.0	91	70 - 130
CHLOROMETHANE	20.0	98	70 - 130
DIBROMOCHLOROMETHANE	20.0	95	70 - 130
1,1-DICHLOROETHANE	20.0	89	70 - 130
1,2-DICHLOROETHANE	20.0	102	70 - 130
1,1-DICHLOROETHENE	20.0	83	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	89	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	83	70 - 130
1,2-DICHLOROPROPANE	20.0	92	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	99	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	97	70 - 130
ETHYLBENZENE	20.0	85	70 - 130
2-HEXANONE	20.0	90	70 - 130
METHYLENE CHLORIDE	20.0	91	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	97	70 - 130
STYRENE	20.0	88	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	102	70 - 130
TETRACHLOROETHENE	20.0	84	70 - 130
TOLUENE	20.0	84	70 - 130
1,1,1-TRICHLOROETHANE	20.0	87	70 - 130
1,1,2-TRICHLOROETHANE	20.0	100	70 - 130
TRICHLOROETHENE	20.0	85	70 - 130
VINYL CHLORIDE	20.0	95	70 - 130
O-XYLENE	20.0	85	70 - 130
M+P-XYLENE	40.0	82	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/08/05

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 857405 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 122544

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/18/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	107	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	106	%

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Contract Analytical Services, INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 1 OF 1

SR #

CAS Contact

Project Name	Project Number
GRIFFIN	13807296.00000
Project Manager	**Report CC**
LARRY SMITH	Aaron Sommer
Company/Address	
WRS	
634 St. Clair	
Cleveland OH 44113	
Phone #	**FAX#**
216 622 2400	216 622 2464
Sampler's Signature	**Sampler's Printed Name**

ANALYSIS REQUESTED *(include Method Number and Container Preservative)*

PRESERVATIVE: HCl

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260B							REMARKS/ ALTERNATE DESCRIPTION
EFF 101405		10/14/05	0835	W	3								X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
____ STANDARD Per Contract
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only Per Contract
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R2528326
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Jen Christy	Printed Name: C McKutcher	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WRS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 10/14/05 0905	Date/Time: 10/14/05 0905	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client URS Submission Number RA-28326

Cooler received on 10/14/05 by: CNK COURIER: CAS UPS FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	YES	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	YES	NO			
3.	Did all bottles arrive in good condition (unbroken)?	YES	NO			
4.	Did any VOA vials have significant air bubbles?	YES	NO	N/A		
5.	Were **Ice** or **Ice packs** present?	YES	NO			
6.	Where did the bottles originate?	CAS/ROC,	CLIENT			
7.	Temperature of cooler(s) upon receipt:	17°				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 10/14/05 0908

Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MW 10/14/05

Cooler Breakdown: Date: 10-14-05 by: KE

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		N/A

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

December 9, 2005

Mr. Larry Szuhay
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFEN
Submission #:R2528851

Dear Mr. Szuhay:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 12/09/05 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael K. Perry

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFEN
Lab Submission # : R2528851
Project Manager : Michael Perry
Reported : 12/09/05

Report Contains a total of 8 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K Perry

Columbia Analytical Services Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2528851

Lab ID	Client ID
860768	EFF111705

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality
ACIL
2005 SEAL OF EXCELLENCE PROGRAM
Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 12/09/05

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : EFF111705

Date Sampled : 11/17/05 08:00 **Order #:** 860768 **Sample Matrix:** WATER
Date Received: 11/17/05 **Submission #:** R2528851 **Analytical Run** 123829

DATE ANALYZED : 11/30/05
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	86	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
-BROMOFLUOROBENZENE	(80 - 123 %)	95	%
TOLUENE-D8	(88 - 124 %)	101	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 865928 ANALYTICAL RUN # : 123829

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 11/29/05			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	99	50 - 150
BENZENE	20.0	99	70 - 130
BROMODICHLOROMETHANE	20.0	101	70 - 130
BROMOFORM	20.0	91	70 - 130
BROMOMETHANE	20.0	56	50 - 150
2-BUTANONE (MEK)	20.0	95	50 - 150
CARBON DISULFIDE	20.0	106	70 - 130
CARBON TETRACHLORIDE	20.0	106	70 - 130
CHLOROBENZENE	20.0	106	70 - 130
CHLOROETHANE	20.0	87	70 - 130
CHLOROFORM	20.0	98	70 - 130
CHLOROMETHANE	20.0	85	70 - 130
DIBROMOCHLOROMETHANE	20.0	100	70 - 130
1,1-DICHLOROETHANE	20.0	90	70 - 130
1,2-DICHLOROETHANE	20.0	98	70 - 130
1,1-DICHLOROETHENE	20.0	108	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	94	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	93	70 - 130
1,2-DICHLOROPROPANE	20.0	95	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	98	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	92	70 - 130
ETHYLBENZENE	20.0	105	70 - 130
2-HEXANONE	20.0	97	70 - 130
METHYLENE CHLORIDE	20.0	102	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	101	70 - 130
STYRENE	20.0	102	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	88	70 - 130
TETRACHLOROETHENE	20.0	111	70 - 130
TOLUENE	20.0	100	70 - 130
1,1,1-TRICHLOROETHANE	20.0	97	70 - 130
1,1,2-TRICHLOROETHANE	20.0	105	70 - 130
TRICHLOROETHENE	20.0	104	70 - 130
VINYL CHLORIDE	20.0	91	70 - 130
O-XYLENE	20.0	102	70 - 130
M+P-XYLENE	40.0	105	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 12/09/05

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 865927 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 123829

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 11/30/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	102	%
TOLUENE-D8	(88 - 124 %)	105	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	99	%

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PAGE 1 OF 1

SR #

CAS Contact

Project Name: GRIFFIN	Project Number: 138072Ru.0000
Project Manager: LARRY SZUHAY	Report Cc: Aaron Sommer
Company/Address: URS Q 34 St Clair Cleveland OH 41113	
Phone #: 216 622 2400	FAX#: 216 622 2464
Sampler's Signature:	Sampler's Printed Name: Jennifer Christy

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: HCl

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260B						REMARKS/ ALTERNATE DESCRIPTION
EFF111705		11/17/05	800	W	3								X						

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
_____ STANDARD Per Contract
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) Per Contract
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Speicalized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R252885
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 11°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Jen Christy	Printed Name: Gregory D. Emerson	Printed Name	Printed Name	Printed Name	Printed Name
Firm: URS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 11/17/05 0835	Date/Time: 11-17-05 8:35	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

ler Receipt And Preservation Check rm

Project/Client URS Submission Number R25-28857

Cooler received on 11-17-05 by: KE COURIER: CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	YES	(NO)			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
5.	Were **Ice** or **Ice packs** present?	YES	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	11°				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	(No)	No	No	No	No

Date/Time Temperatures Taken: 11-17-05 @ 8:38

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples 4 hr Rule

PC Secondary Review: MCP 11/17/05

Cooler Breakdown: Date: 11/17/05 by: CMK

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

December 30, 2005

Mr. Larry Szuhay
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFEN
Submission #:R2529241

Dear Mr. Szuhay:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 12/29/05 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael F. Perry

Michael Perry
Laboratory Director

Enc.

1 Mustard St. • Suite 250 • Rochester, NY 14609 • Tele:(585)288-5380 • Fax:(585)288-8475

Columbia Analytical Services inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFEN
Lab Submission # : R2529241
Project Manager : Michael Perry
Reported : 12/30/05

Report Contains a total of 8 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael E. Perry

Columbia Analytical Services inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2529241

Lab ID	Client ID
867381	EFF121405

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
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ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL :VICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 12/30/05

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : EFF121405

Date Sampled : 12/14/05 08:15 **Order #:** 867381 **Sample Matrix:** WATER
Date Received: 12/14/05 **Submission #:** R2529241 **Analytical Run** 124210

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/15/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	170	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	103	%
TOLUENE-D8	(88 - 124 %)	97	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	94	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 868210 ANALYTICAL RUN # : 124210

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 12/15/05			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	93	50 - 150
BENZENE	20.0	99	70 - 130
BROMODICHLOROMETHANE	20.0	96	70 - 130
BROMOFORM	20.0	87	70 - 130
BROMOMETHANE	20.0	79	50 - 150
2-BUTANONE (MEK)	20.0	89	50 - 150
CARBON DISULFIDE	20.0	91	70 - 130
CARBON TETRACHLORIDE	20.0	94	70 - 130
CHLOROBENZENE	20.0	96	70 - 130
CHLOROETHANE	20.0	107	70 - 130
CHLOROFORM	20.0	97	70 - 130
CHLOROMETHANE	20.0	100	70 - 130
DIBROMOCHLOROMETHANE	20.0	88	70 - 130
1,1-DICHLOROETHANE	20.0	103	70 - 130
1,2-DICHLOROETHANE	20.0	98	70 - 130
1,1-DICHLOROETHENE	20.0	106	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	95	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	97	70 - 130
1,2-DICHLOROPROPANE	20.0	99	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	98	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	99	70 - 130
ETHYLBENZENE	20.0	101	70 - 130
2-HEXANONE	20.0	82	70 - 130
METHYLENE CHLORIDE	20.0	103	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	83	70 - 130
STYRENE	20.0	91	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	104	70 - 130
TETRACHLOROETHENE	20.0	92	70 - 130
TOLUENE	20.0	96	70 - 130
1,1,1-TRICHLOROETHANE	20.0	98	70 - 130
1,1,2-TRICHLOROETHANE	20.0	97	70 - 130
TRICHLOROETHENE	20.0	88	70 - 130
VINYL CHLORIDE	20.0	104	70 - 130
O-XYLENE	20.0	90	70 - 130
M+P-XYLENE	40.0	97	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 12/30/05

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 868209 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 124210

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 12/15/05			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	103	%
TOLUENE-D8	(88 - 124 %)	98	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	99	%

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SR [redacted]

CAS Contact

Project Name: GRIFFIN	Project Number: 13807296.00008
Project Manager: LARRY SZUHAY	Report CC: Aaron Simmer
Company/Address: URS 6634 St. Clair 41113 Cleveland OH	
Phone #: 216 622 2400	FAX#: 216 622 2464
Sampler's Signature: [signature]	Sampler's Printed Name: Jen Christy

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: HCl

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐8260 ☐624 ☐CLP	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602	PESTICIDES ☐8081 ☐608 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260B							REMARKS/ ALTERNATE DESCRIPTION
EFF 121405	[redacted]	12/14/05	815	W	3								1							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
_____ STANDARD Per Contract
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) Per Contract
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Speicalized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
L2529241
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: QC 4hr Rule CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: [signature]	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: Jen Christy	Printed Name: Gregory O. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: URS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 12/14/05 8:55	Date/Time: 12-14-05 8:55	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client URS Submission Number RA-29041.

Cooler received on 12-14-05 by: KE COURIER: CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	YES	(NO)			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	9°				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	(No)	No	No	No	No

Date/Time Temperatures Taken: 12-14-05 @ 8:57

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MAP 12/14/05

Cooler Breakdown: Date: 12-14-05 by: KE

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH_____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

January 20, 2006

Mr. Larry Szuhay
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFEN
Submission #:R2629850

Dear Mr. Szuhay:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 01/20/06 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael K Perry

Michael Perry
Laboratory Director

Enc.

1 Mustard St. • Suite 250 • Rochester, NY 14609 • Tele:(585)288-5380 • Fax:(585)288-8475

Columbia Analytical Services, Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFEN
Lab Submission # : R2629850
Project Manager : Michael Perry
Reported : 01/20/06

Report Contains a total of 8 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

Columbia Analytical Services Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2629850

Lab ID	Client ID
875094	EFF011606

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/20/06

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : EFF011606

Date Sampled : 01/16/06 08:45 **Order #:** 875094 **Sample Matrix:** WATER
Date Received: 01/16/06 **Submission #:** R2629850 **Analytical Run** 125454

DATE ANALYZED : 01/18/06
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	44	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	94	%
TOLUENE-D8	(88 - 124 %)	102	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 875963 ANALYTICAL RUN # : 125454

DATE ANALYZED : 01/18/06
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	87	50 - 150
BENZENE	20.0	86	70 - 130
BROMODICHLOROMETHANE	20.0	80	70 - 130
BROMOFORM	20.0	77	70 - 130
BROMOMETHANE	20.0	104	50 - 150
2-BUTANONE (MEK)	20.0	84	50 - 150
CARBON DISULFIDE	20.0	104	70 - 130
CARBON TETRACHLORIDE	20.0	83	70 - 130
CHLOROBENZENE	20.0	90	70 - 130
CHLOROETHANE	20.0	117	70 - 130
CHLOROFORM	20.0	93	70 - 130
CHLOROMETHANE	20.0	91	70 - 130
DIBROMOCHLOROMETHANE	20.0	82	70 - 130
1,1-DICHLOROETHANE	20.0	96	70 - 130
1,2-DICHLOROETHANE	20.0	88	70 - 130
1,1-DICHLOROETHENE	20.0	96	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	89	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	89	70 - 130
1,2-DICHLOROPROPANE	20.0	85	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	90	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	95	70 - 130
ETHYLBENZENE	20.0	92	70 - 130
2-HEXANONE	20.0	80	70 - 130
METHYLENE CHLORIDE	20.0	93	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	82	70 - 130
STYRENE	20.0	85	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	101	70 - 130
TETRACHLOROETHENE	20.0	82	70 - 130
TOLUENE	20.0	88	70 - 130
1,1,1-TRICHLOROETHANE	20.0	90	70 - 130
1,1,2-TRICHLOROETHANE	20.0	89	70 - 130
TRICHLOROETHENE	20.0	78	70 - 130
VINYL CHLORIDE	20.0	105	70 - 130
O-XYLENE	20.0	85	70 - 130
M+P-XYLENE	40.0	90	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 01/20/06

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 875962 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 125454

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/18/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	98	%
TOLUENE-D8	(88 - 124 %)	104	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	95	%

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

[redacted] Analytical Services INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 1 OF _____

SR # [redacted]

CAS Contact [redacted]

Project Name: GRIFFIN	Project Number: 13807296.0000
Project Manager: Larry SZUHAY	Report CC: Aaron Sommer
Company/Address: WRS 1634 St. Clair Cleveland OH 4113	
Phone #: 216 622 2400	FAX#: 216 622 2464
Sampler's Signature: [signature]	Sampler's Printed Name: Jen Christ

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: Hcl

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐8260 ☐624 ☐CLP	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602	PESTICIDES ☐8081 ☐608 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8240								REMARKS/ ALTERNATE DESCRIPTION
EFF0116006		1/16/06	845	W	3								X								

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 24 hr _____ 48 hr _____ 5 day
_____ STANDARD
REQUESTED FAX DATE Per Contract
REQUESTED REPORT DATE _____

REPORT REQUIREMENTS
_____ I. Results Only Per Contract
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
_____ V. Speicalized Forms / Custom Report
Edata _____ Yes _____ No

INVOICE INFORMATION
PO# _____
BILL TO: _____
R26298S0
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 17°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: [signature]	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: Jen Christ	Printed Name: Jon Kutzer	Printed Name	Printed Name	Printed Name	Printed Name
Firm: WRS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 1/16/06 910	Date/Time: 1/16/06 0910	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Co. .r Receipt And Preservation Check l n

Project/Client URS Submission Number R2-29850

Cooler received on 1/16/06 by: CMK COURIER: CAS UPS FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	YES	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	YES	NO			
3.	Did all bottles arrive in good condition (unbroken)?	YES	NO			
4.	Did any VOA vials have significant air bubbles?	YES	NO	N/A		
5.	Were Ice or Ice packs present?	YES	NO			
6.	Where did the bottles originate?	CAS/ROC, CLIENT				
7.	Temperature of cooler(s) upon receipt:	17°				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 1/16/06 CMK 4hr Rule 0910

Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MMP 1/16/06

Cooler Breakdown: Date: 1/16/06 by: CMK

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		N/A

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

March 1, 2006

Mr. Larry Szuhay
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFEN
Submission #:R2630350

Dear Mr. Szuhay:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 03/01/06 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael K. Perry

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFEN
Lab Submission # : R2630350
Project Manager : Michael Perry
Reported : 03/01/06

Report Contains a total of 8 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K Perry

Columbia Analytical Services Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2630350

Lab ID	Client ID
882815	EFF021506

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

2005 Seal of Excellence Program

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 03/01/06

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : EFF021506

Date Sampled : 02/15/06 09:35 **Order #:** 882815 **Sample Matrix:** WATER
Date Received: 02/15/06 **Submission #:** R2630350 **Analytical Run** 126697

DATE ANALYZED : 02/21/06
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	65	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	100	%
TOLUENE-D8	(88 - 124 %)	98	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	93	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 883809 ANALYTICAL RUN # : 126697

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 02/21/06			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	84	50 - 150
BENZENE	20.0	97	70 - 130
BROMODICHLOROMETHANE	20.0	97	70 - 130
BROMOFORM	20.0	96	70 - 130
BROMOMETHANE	20.0	98	50 - 150
2-BUTANONE (MEK)	20.0	88	50 - 150
CARBON DISULFIDE	20.0	99	70 - 130
CARBON TETRACHLORIDE	20.0	96	70 - 130
CHLOROBENZENE	20.0	100	70 - 130
CHLOROETHANE	20.0	94	70 - 130
CHLOROFORM	20.0	96	70 - 130
CHLOROMETHANE	20.0	100	70 - 130
DIBROMOCHLOROMETHANE	20.0	95	70 - 130
1,1-DICHLOROETHANE	20.0	100	70 - 130
1,2-DICHLOROETHANE	20.0	95	70 - 130
1,1-DICHLOROETHENE	20.0	105	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	96	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	98	70 - 130
1,2-DICHLOROPROPANE	20.0	93	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	103	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	102	70 - 130
ETHYLBENZENE	20.0	101	70 - 130
2-HEXANONE	20.0	90	70 - 130
METHYLENE CHLORIDE	20.0	101	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	88	70 - 130
STYRENE	20.0	101	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	102	70 - 130
TETRACHLOROETHENE	20.0	86	70 - 130
TOLUENE	20.0	96	70 - 130
1,1,1-TRICHLOROETHANE	20.0	97	70 - 130
1,1,2-TRICHLOROETHANE	20.0	96	70 - 130
TRICHLOROETHENE	20.0	89	70 - 130
VINYL CHLORIDE	20.0	96	70 - 130
O-XYLENE	20.0	93	70 - 130
M+P-XYLENE	40.0	97	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 03/01/06

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 883808 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 126697

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 02/21/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	102	%
TOLUENE-D8	(88 - 124 %)	99	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	95	%

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Analytical Services INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 1 OF 1

SR

CAS Contact

Project Name	Project Number
GRIFFIN	13807296.00000
Project Manager	**Report CC**
LARRY SZUHAY	AARON SOMMER
Company/Address	
URS	
~~634 St. Clair~~ 1375 Euclid Ave. Suite 600	
CLEVELAND, OH 44115	
Phone #	**FAX#**
(216) 622-2400	(216) 622-2428
Sampler's Signature	**Sampler's Printed Name**
	KEVIN T. McGOWAN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260 B							REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE															1					
EFF 021506		2/15/06	09:35	W	3								X							
TRIP BLANK					3								X	—	all 3 vials broke					mcp 2/15/06

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
____ STANDARD PCN
REQUESTED FAX DATE
CONTRACT
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
____ I. Results Only PCN
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) CONTRACT
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R2630350
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 8°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name KEVIN T. McGOWAN	Printed Name Gregory Q. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm URS	Firm CAS	Firm	Firm	Firm	Firm
Date/Time 2/15/06 10:25	Date/Time 2/15/06 10:25	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client URS Submission Number R2-30350.

Cooler received on 2-15-06 by: KE COURIER: CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	YES	(NO)
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO
3.	Did all bottles arrive in good condition (unbroken)?	YES	(NO) all 3 T.B. Vials broken
4.	Did any VOA vials have significant air bubbles?	YES	(NO) N/A
5.	Were Ice or Ice packs present?	(YES)	NO
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT

7. Temperature of cooler(s) upon receipt:	8°				
Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
If No, Explain Below	(No)	No	No	No	No

Date/Time Temperatures Taken: ~~2-15~~ KE 2-15-06 2-15-06 @ 10:30

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MM 2/15/06

Cooler Breakdown: Date: 2/15/06 by: ONSITE

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

March 27, 2006

Mr. Larry Szuhay
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFEN
Submission #:R2630772

Dear Mr. Szuhay:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 03/27/06 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael K. Perry

Michael Perry
Laboratory Director

Enc.

1 Mustard St. • Suite 250 • Rochester, NY 14609 • Tele:(585)288-5380 • Fax:(585)288-8475

Columbia Analytical Services Inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFEN
Lab Submission # : R2630772
Project Manager : Michael Perry
Reported : 03/27/06

Report Contains a total of 9 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

Columbia Analytical Services, Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2630772

Lab ID	Client ID
889324	EFF031606
889325	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL S /ICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 03/27/06

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : EFF031606

Date Sampled : 03/16/06 09:25 **Order #:** 889324 **Sample Matrix:** WATER
Date Received: 03/16/06 **Submission #:** R2630772 **Analytical Run** 127771

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 03/21/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	53	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	101	%
TOLUENE-D8	(88 - 124 %)	97	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	92	%

COLUMBIA ANALYTICAL S /ICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 03/27/06

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : TRIP BLANK

Date Sampled : 03/16/06 : **Order #:** 889325 **Sample Matrix:** WATER
Date Received: 03/16/06 **Submission #:** R2630772 **Analytical Run** 127771

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 03/21/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	103	%
TOLUENE-D8	(88 - 124 %)	99	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	94	%

LUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

ABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 890269 ANALYTICAL RUN # : 127771

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ATE ANALYZED : 03/21/06			
NALYTICAL DILUTION: 1.0			
ACETONE	20.0	84	50 - 150
BENZENE	20.0	101	70 - 130
BROMODICHLOROMETHANE	20.0	101	70 - 130
BROMOFORM	20.0	89	70 - 130
BROMOMETHANE	20.0	99	50 - 150
2-BUTANONE (MEK)	20.0	86	50 - 150
CARBON DISULFIDE	20.0	105	70 - 130
CARBON TETRACHLORIDE	20.0	98	70 - 130
CHLOROBENZENE	20.0	98	70 - 130
CHLOROETHANE	20.0	86	70 - 130
CHLOROFORM	20.0	90	70 - 130
CHLOROMETHANE	20.0	87	70 - 130
DIBROMOCHLOROMETHANE	20.0	91	70 - 130
1,1-DICHLOROETHANE	20.0	98	70 - 130
1,2-DICHLOROETHANE	20.0	91	70 - 130
1,1-DICHLOROETHENE	20.0	98	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	94	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	96	70 - 130
1,2-DICHLOROPROPANE	20.0	97	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	103	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	96	70 - 130
ETHYLBENZENE	20.0	102	70 - 130
2-HEXANONE	20.0	91	70 - 130
METHYLENE CHLORIDE	20.0	95	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	93	70 - 130
STYRENE	20.0	101	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	98	70 - 130
TETRACHLOROETHENE	20.0	92	70 - 130
TOLUENE	20.0	98	70 - 130
1,1,1-TRICHLOROETHANE	20.0	93	70 - 130
1,1,2-TRICHLOROETHANE	20.0	96	70 - 130
TRICHLOROETHENE	20.0	88	70 - 130
VINYL CHLORIDE	20.0	91	70 - 130
O-XYLENE	20.0	99	70 - 130
M+P-XYLENE	40.0	100	70 - 130

COLUMBIA ANALYTICAL S /ICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 03/27/06

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 890268 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 127771

DATE ANALYZED : 03/21/06
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	100	%
TOLUENE-D8	(88 - 124 %)	96	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	92	%

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Analytical Services INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 1 OF 1

SR #

CAS Contact

Project Name	Project Number
GRIFFIN	1380 7296.00000
Project Manager	**Report CC**
LARRY SZUHAY	AARON SOMMER
Company/Address	
URS CORPORATION	
1375 EUCLID AVE. SUITE 600	
CLEVELAND, OH 44115	
Phone #	**FAX#**
(216) 622-2400	(216) 622-2428
Sampler's Signature	**Sampler's Printed Name**
	KEVIN T. McGOVERN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	PRESERVATIVE	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260B	1	REMARKS/ ALTERNATE DESCRIPTION
EFF 031606		3/16/06	09:25	WG	3									X		
TRIP BLANK					3									X		

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
_____ STANDARD
REQUESTED FAX DATE PER CONTRACT
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only PER CONTRACT
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
$2630772
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 18°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name KEVIN T. McGOVERN	Printed Name Heather Lavery	Printed Name	Printed Name	Printed Name	Printed Name
Firm URS Corp	Firm CAS	Firm	Firm	Firm	Firm
Date/Time 3/16/06 10:03	Date/Time 3/16/06 1003	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client UES Submission Number 82-30772

Cooler received on 3/16/06 by: CMR COURIER: CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?			YES	(NO)	
2.	Were custody papers properly filled out (ink, signed, etc.)?			(YES)	NO	
3.	Did all bottles arrive in good condition (unbroken)?			(YES)	NO	
4.	Did any VOA vials have significant air bubbles?			YES	(NO)	N/A
5.	Were **Ice** or **Ice packs** present?			YES	(NO)	
6.	Where did the bottles originate?			(CAS/ROC), CLIENT		
7.	Temperature of cooler(s) upon receipt:	18				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	(No)	No	No	No	No

Date/Time Temperatures Taken: 3/16/06 1010

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MKP 3/16/06

Cooler Breakdown: Date: 3/16/06 by: CMR

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

April 20, 2006

Ms. Janet Bishop
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:DIEBOLD GRIFFEN
Submission #:R2631261

Dear Ms. Bishop:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 04/20/06 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael F. Perry

Michael Perry
Laboratory Director

Enc.

1 Mustard St. • Suite 250 • Rochester, NY 14609 • Tele:(585)288-5380 • Fax:(585)288-8475

Columbia Analytical Services, Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client	: URS Corporation
Project Reference	: DIEBOLD GRIFFEN
Lab Submission #	: R2631261
Project Manager	: Michael Perry
Reported	: 04/20/06

Report Contains a total of 9 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael E Perry

Columbia Analytical Services Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2631261

Lab ID	Client ID
897087	EFF041706
897088	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/20/06

URS Corporation
Project Reference: DIEBOLD GRIFFEN
Client Sample ID : EFF041706

Date Sampled : 04/17/06 09:15 **Order #:** 897087 **Sample Matrix:** WATER
Date Received: 04/17/06 **Submission #:** R2631261 **Analytical Run** 128897

DATE ANALYZED : 04/18/06
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	84	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	108	%
TOLUENE-D8	(88 - 124 %)	102	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/20/06

URS Corporation
Project Reference: DIEBOLD GRIFFEN
Client Sample ID : TRIP BLANK

Date Sampled : 04/17/06 : **Order #:** 897088 **Sample Matrix:** WATER
Date Received: 04/17/06 **Submission #:** R2631261 **Analytical Run** 128897

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/18/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	105	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 897566 ANALYTICAL RUN # : 128897

DATE ANALYZED : 04/18/06
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	101	50 - 150
BENZENE	20.0	97	70 - 130
BROMODICHLOROMETHANE	20.0	100	70 - 130
BROMOFORM	20.0	91	70 - 130
BROMOMETHANE	20.0	87	50 - 150
2-BUTANONE (MEK)	20.0	93	50 - 150
CARBON DISULFIDE	20.0	91	70 - 130
CARBON TETRACHLORIDE	20.0	94	70 - 130
CHLOROBENZENE	20.0	94	70 - 130
CHLOROETHANE	20.0	95	70 - 130
CHLOROFORM	20.0	98	70 - 130
CHLOROMETHANE	20.0	93	70 - 130
DIBROMOCHLOROMETHANE	20.0	99	70 - 130
1,1-DICHLOROETHANE	20.0	92	70 - 130
1,2-DICHLOROETHANE	20.0	94	70 - 130
1,1-DICHLOROETHENE	20.0	101	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	97	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	97	70 - 130
1,2-DICHLOROPROPANE	20.0	93	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	104	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	100	70 - 130
ETHYLBENZENE	20.0	101	70 - 130
2-HEXANONE	20.0	90	70 - 130
METHYLENE CHLORIDE	20.0	96	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	88	70 - 130
STYRENE	20.0	95	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	97	70 - 130
TETRACHLOROETHENE	20.0	97	70 - 130
TOLUENE	20.0	96	70 - 130
1,1,1-TRICHLOROETHANE	20.0	92	70 - 130
1,1,2-TRICHLOROETHANE	20.0	101	70 - 130
TRICHLOROETHENE	20.0	96	70 - 130
VINYL CHLORIDE	20.0	93	70 - 130
O-XYLENE	20.0	98	70 - 130
M+P-XYLENE	40.0	94	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/20/06

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 897565 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 128897

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/18/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	105	%
OLUENE-D8	(88 - 124 %)	101	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	96	%

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 1

SR [redacted]

CAS Contact

Project Name: I&M DiGiano	Project Number: 1380 7296.00000
Project Manager: Jennifer Bishop	Report CC: Aaron Sommer
Company/Address: UMS Corp 1375 Euclid Ave, Ste 600 Cleveland, OH 44115	
Phone #: (216) 622-2400	FAX#: (216) 622-2428
Sampler's Signature:	Sampler's Printed Name: Karen J. McGowan

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
~~EFF041706~~ EFF041706		4/17/06	~~0915~~	~~WG~~	3								
Trip Blank		—	—	—	3	X							
Eff 041706		4/17/06	09:15	WG	3	X							

Preservative Key
0. NONE
1. HCl
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
____ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R2631261
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 15°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Karen J. McGowan	Printed Name: Erin Kutzler	Printed Name	Printed Name	Printed Name	Printed Name
Firm: UMS Corp	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 4/17/06 0915	Date/Time: 4/17/06 0956	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client URS Corp Submission Number R2-31261.

Cooler received on 4/17/06 by: CMK COURIER: CAS UPS FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?	YES	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	YES	NO			
3.	Did all bottles arrive in good condition (unbroken)?	YES	NO			
4.	Did any VOA vials have significant air bubbles?	YES	NO	N/A		
5.	Were **Ice** or **Ice packs** present?	YES	NO			
6.	Where did the bottles originate?	CAS/ROC,	CLIENT			
7.	Temperature of cooler(s) upon receipt:	15°				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 4/17/06 1000 4hr. Rule

Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MMP 4/17/06

Cooler Breakdown: Date: 4/17/06 by: ____

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		N/A

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

May 31, 2006

Ms. Janet Bishop
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFEN
Submission #:R2631695

Dear Ms. Bishop:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 05/31/06 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael Perry
Laboratory Director

Enc.

1 Mustard St. • Suite 250 • Rochester, NY 14609 • Tele:(585)288-5380 • Fax:(585)288-8475

Columbia Analytical Services Inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFEN
Lab Submission # : R2631695
Project Manager : Michael Perry
Reported : 05/31/06

Report Contains a total of 9 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

01

Columbia Analytical Services, Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2631695

Lab ID	Client ID
904946	EFF 051506
904947	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

02

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Service Quality Value
ACIL
2005 SEAL OF EXCELLENCE PROGRAM
Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/31/06

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : EFF 051506

Date Sampled : 05/15/06 09:07 **Order #:** 904946 **Sample Matrix:** WATER
Date Received: 05/15/06 **Submission #:** R2631695 **Analytical Run** 130578

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 05/24/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	90	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	104	%
TOLUENE-D8	(88 - 124 %)	106	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/31/06

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : TRIP BLANK

Date Sampled : 05/15/06 : **Order #:** 904947 **Sample Matrix:** WATER
Date Received: 05/15/06 **Submission #:** R2631695 **Analytical Run** 130578

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 05/24/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	103	%
TOLUENE-D8	(88 - 124 %)	103	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 909006 ANALYTICAL RUN # : 130578

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 05/24/06			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	125	50 - 150
BENZENE	20.0	101	70 - 130
BROMODICHLOROMETHANE	20.0	102	70 - 130
BROMOFORM	20.0	100	70 - 130
BROMOMETHANE	20.0	114	50 - 150
2-BUTANONE (MEK)	20.0	121	50 - 150
CARBON DISULFIDE	20.0	117	70 - 130
CARBON TETRACHLORIDE	20.0	99	70 - 130
CHLOROBENZENE	20.0	100	70 - 130
CHLOROETHANE	20.0	110	70 - 130
CHLOROFORM	20.0	102	70 - 130
CHLOROMETHANE	20.0	96	70 - 130
DIBROMOCHLOROMETHANE	20.0	100	70 - 130
1,1-DICHLOROETHANE	20.0	100	70 - 130
1,2-DICHLOROETHANE	20.0	102	70 - 130
1,1-DICHLOROETHENE	20.0	111	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	105	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	100	70 - 130
1,2-DICHLOROPROPANE	20.0	103	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	100	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	101	70 - 130
ETHYLBENZENE	20.0	100	70 - 130
2-HEXANONE	20.0	118	70 - 130
METHYLENE CHLORIDE	20.0	106	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	111	70 - 130
STYRENE	20.0	96	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	96	70 - 130
TETRACHLOROETHENE	20.0	99	70 - 130
TOLUENE	20.0	101	70 - 130
1,1,1-TRICHLOROETHANE	20.0	100	70 - 130
1,1,2-TRICHLOROETHANE	20.0	103	70 - 130
TRICHLOROETHENE	20.0	107	70 - 130
VINYL CHLORIDE	20.0	103	70 - 130
O-XYLENE	20.0	100	70 - 130
M+P-XYLENE	40.0	98	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/31/06

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 909005 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 130578

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 05/24/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	102	%
TOLUENE-D8	(88 - 124 %)	103	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	101	%

Columbia Analytical Services, Inc.
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CHAIN OF CUSTODY/LABORATORY [redacted]ALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 1

SR # [redacted]

CAS Contact

Project Name: Gasport	Project Number: 13807296.00000
Project Manager: Tango Bishop	Report CC: Tango Bishop
Company/Address: UNS Corporation 1375 Euclid Ave, Suite 600 Cleveland, OH 44115	
Phone #: (216) 622-2400	FAX#: (216) 622-2428
Sampler's Signature:	Sampler's Printed Name: Kevin J. McGowan

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260B							REMARKS/ ALTERNATE DESCRIPTION
EFF 051506	[redacted]	5/15/06	09:07	WG	3								X							
Trip Blank	[redacted]	—	—	—	3								X							
	[redacted]																			
	[redacted]																			
	[redacted]																			
	[redacted]																			
	[redacted]																			
	[redacted]																			
	[redacted]																			
	[redacted]																			

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
____ STANDARD
REQUESTED FAX DATE Per Contract
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only Per Contract
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R263695
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 16°c CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Kevin J. McGowan	Printed Name: Amy Hentschke	Printed Name	Printed Name	Printed Name	Printed Name
Firm: UNS Corp	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 5/15/06, 09:50	Date/Time: 5/15/06 09:50	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client URS Submission Number _____.

Cooler received on 5/15/06 by: AM COURIER: CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?			YES	(NO)	
2.	Were custody papers properly filled out (ink, signed, etc.)?			(YES)	NO	
3.	Did all bottles arrive in good condition (unbroken)?			(YES)	NO	
4.	Did any VOA vials have significant air bubbles?			YES	(NO)	N/A
5.	Were **Ice** or **Ice packs** present?			YES	(NO)	
6.	Where did the bottles originate?			(CAS/ROC)	CLIENT	
7.	Temperature of cooler(s) upon receipt:	16°				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	(No)	No	No	No	No

Date/Time Temperatures Taken: 5/15/06 09:53

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MAT 5/15/06

Cooler Breakdown: Date: 5/15/06 by: AM

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

4hr rule

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

June 22, 2006

Ms. Janet Bishop
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFIN
Submission #:R2632186

Dear Ms. Bishop:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 06/22/06 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFIN
Lab Submission # : R2632186
Project Manager : Michael Perry
Reported : 06/22/06

Report Contains a total of 9 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

Columbia Analytical Services Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2632186

Lab ID	Client ID
913934	EFF 061506
913935	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 06/22/06

URS Corporation
Project Reference: GRIFFIN
Client Sample ID : EFF 061506

Date Sampled : 06/15/06 09:07 **Order #:** 913934 **Sample Matrix:** WATER
Date Received: 06/15/06 **Submission #:** R2632186 **Analytical Run** 131570

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 06/20/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	120	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	105	%
TOLUENE-D8	(88 - 124 %)	110	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 06/22/06

URS Corporation
Project Reference: GRIFFIN
Client Sample ID : TRIP BLANK

Date Sampled : 06/15/06 : **Order #:** 913935 **Sample Matrix:** WATER
Date Received: 06/15/06 **Submission #:** R2632186 **Analytical Run** 131570

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 06/20/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	105	%
TOLUENE-D8	(88 - 124 %)	111	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 915546 ANALYTICAL RUN # : 131570

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 06/20/06			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	97	50 - 150
BENZENE	20.0	99	70 - 130
BROMODICHLOROMETHANE	20.0	106	70 - 130
BROMOFORM	20.0	103	70 - 130
BROMOMETHANE	20.0	85	50 - 150
2-BUTANONE (MEK)	20.0	90	50 - 150
CARBON DISULFIDE	20.0	72	70 - 130
CARBON TETRACHLORIDE	20.0	102	70 - 130
CHLOROBENZENE	20.0	101	70 - 130
CHLOROETHANE	20.0	93	70 - 130
CHLOROFORM	20.0	96	70 - 130
'HLOROMETHANE	20.0	91	70 - 130
DIBROMOCHLOROMETHANE	20.0	104	70 - 130
1,1-DICHLOROETHANE	20.0	93	70 - 130
1,2-DICHLOROETHANE	20.0	122	70 - 130
1,1-DICHLOROETHENE	20.0	93	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	91	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	90	70 - 130
1,2-DICHLOROPROPANE	20.0	97	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	105	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	107	70 - 130
ETHYLBENZENE	20.0	110	70 - 130
2-HEXANONE	20.0	108	70 - 130
METHYLENE CHLORIDE	20.0	93	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	100	70 - 130
STYRENE	20.0	95	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	95	70 - 130
TETRACHLOROETHENE	20.0	102	70 - 130
TOLUENE	20.0	98	70 - 130
1,1,1-TRICHLOROETHANE	20.0	104	70 - 130
1,1,2-TRICHLOROETHANE	20.0	97	70 - 130
TRICHLOROETHENE	20.0	98	70 - 130
VINYL CHLORIDE	20.0	93	70 - 130
O-XYLENE	20.0	97	70 - 130
M+P-XYLENE	40.0	99	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 06/22/06

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 915545 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 131570

DATE ANALYZED : 06/20/06
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
.,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	104	%
TOLUENE-D8	(88 - 124 %)	107	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	105	%

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Cont... Ana...al Services INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 1 OF 1

SR #

CAS Contact

Project Name: Griffin	Project Number: 13807296.0000
Project Manager: Jango Bishop	Report CC: Jango Bishop
Company/Address: URS Corporation 1375 Euclid Ave, Suite 600 Cleveland, OH 44115	
Phone #: (216) 622-2400	FAX#: (216) 622-2428
Sampler's Signature:	Sampler's Printed Name: Kevin J. McGowan

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260B							REMARKS/ ALTERNATE DESCRIPTION
EFF 061506		6/15/06	09:07	WG	3								X							
TRIP BLANK		—	—	—	3								X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
_____ STANDARD Per Contract
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only Per Contract
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Speicalized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R263218G
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 17°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Kevin J. McGowan	Printed Name: Gregory A. Emerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: URS Corp	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 6/15/06, 09:49	Date/Time: 6/15/06 9:49	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client URS Submission Number R2632186.

Cooler received on 6-15-06 by: ME **COURIER:** CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	YES	(NO)			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
5.	Were **Ice** or **Ice packs** present?	YES	(NO)			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	17° (4 hour Rule)				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	(No)	No	No	No	No

Date/Time Temperatures Taken: 6-15-06 @ 9:56

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MKP 6/15/06

Cooler Breakdown: Date: 6/15/06 by: AM

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
12	NaOH						
2	HNO_3						
2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						
5-9**	P/PCBs (608 only)						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH_____

**If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

August 24, 2006

Ms. Janet Bishop
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFIN
Submission #:R2633182

Dear Ms. Bishop

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael K. Perry

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services, Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFIN
Lab Submission # : R2633182
Project Manager : Michael Perry
Reported : 08/24/06

Report Contains a total of 9 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

01

Columbia Analytical Services inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2633182

Lab ID	Client ID
929667	EFF 081506
929668	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2005 SEAL OF EXCELLENCE PROGRAM Environmental

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/24/06

URS Corporation
Project Reference: GRIFFIN
Client Sample ID : EFF 081506

Date Sampled : 08/15/06 09:10 **Order #:** 929667 **Sample Matrix:** WATER
Date Received: 08/15/06 **Submission #:** R2633182 **Analytical Run** 133886

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/21/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	150	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	108	%
TOLUENE-D8	(88 - 124 %)	104	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/24/06

URS Corporation
Project Reference: GRIFFIN
Client Sample ID : TRIP BLANK

Date Sampled : 08/15/06 : **Order #:** 929668 **Sample Matrix:** WATER
Date Received: 08/15/06 **Submission #:** R2633182 **Analytical Run** 133886

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/21/06			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	111	%
TOLUENE-D8	(88 - 124 %)	107	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	96	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 931286 ANALYTICAL RUN # : 133886

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 08/21/06			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	91	50 - 150
BENZENE	20.0	97	70 - 130
BROMODICHLOROMETHANE	20.0	101	70 - 130
BROMOFORM	20.0	98	70 - 130
BROMOMETHANE	20.0	96	50 - 150
2-BUTANONE (MEK)	20.0	84	50 - 150
CARBON DISULFIDE	20.0	93	70 - 130
CARBON TETRACHLORIDE	20.0	91	70 - 130
CHLOROBENZENE	20.0	96	70 - 130
CHLOROETHANE	20.0	95	70 - 130
CHLOROFORM	20.0	97	70 - 130
'HLOROMETHANE	20.0	89	70 - 130
DIBROMOCHLOROMETHANE	20.0	97	70 - 130
1,1-DICHLOROETHANE	20.0	92	70 - 130
1,2-DICHLOROETHANE	20.0	92	70 - 130
1,1-DICHLOROETHENE	20.0	108	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	92	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	92	70 - 130
1,2-DICHLOROPROPANE	20.0	84	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	98	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	103	70 - 130
ETHYLBENZENE	20.0	107	70 - 130
2-HEXANONE	20.0	96	70 - 130
METHYLENE CHLORIDE	20.0	95	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	88	70 - 130
STYRENE	20.0	96	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	89	70 - 130
TETRACHLOROETHENE	20.0	101	70 - 130
TOLUENE	20.0	103	70 - 130
1,1,1-TRICHLOROETHANE	20.0	95	70 - 130
1,1,2-TRICHLOROETHANE	20.0	97	70 - 130
TRICHLOROETHENE	20.0	97	70 - 130
VINYL CHLORIDE	20.0	98	70 - 130
O-XYLENE	20.0	98	70 - 130
M+P-XYLENE	40.0	98	70 - 130

06

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/24/06

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 931284 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 133886

DATE ANALYZED : 08/21/06
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(80 - 123 %)	112	%
TOLUENE-D8	(88 - 124 %)	107	%
DIBROMOFLUOROMETHANE	(91 - 115 %)	98	%

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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PAGE 1 OF 1

SR #

CAS Contact

Project Name: GRIFFON	Project Number: 13807296.0000
Project Manager: JANET BISHOP	Report CC: JANET BISHOP
Company/Address: URS CORPORATION 1375 EUCLID AVE, SUITE 600 CLEVELAND, OH 44115	
Phone #: (216) 622-2400	FAX#: (216) 622-2428
Sampler's Signature:	Sampler's Printed Name: KEVIN J. McGOWAN

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	8260B							REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE															1					
EFF 081506		8/15/06	09:10	WG	3								X							
TRIP BLANK		—	—	—	3								X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
6. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 24 hr _____ 48 hr _____ 5 day
_____ STANDARD PER
REQUESTED FAX DATE CONTRACT
REQUESTED REPORT DATE

REPORT REQUIREMENTS
_____ I. Results Only PER CONTRACT
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
_____ V. Specialized Forms / Custom Report
Edata _____ Yes _____ No

INVOICE INFORMATION
PO#
BILL TO:
R2633182
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 18°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature: Rachel Jones	Signature	Signature	Signature	Signature
Printed Name: KEVIN J. McGOWAN	Printed Name: Rachel Jones	Printed Name	Printed Name	Printed Name	Printed Name
Firm: URS CORP	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 8/15/06, 09:56	Date/Time: 8/15/06 09:56	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client URS Submission Number 2633182.

Cooler received on 8/15/06 by: RJ COURIER: CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?		YES	(NO)		
2.	Were custody papers properly filled out (ink, signed, etc.)?		(YES)	NO		
3.	Did all bottles arrive in good condition (unbroken)?		(YES)	NO		
4.	Did any VOA vials have significant air bubbles?		YES	(NO)	N/A	
5.	Were **Ice** or **Ice packs** present?		YES	(NO)		
6.	Where did the bottles originate?		(CAS/ROC, CLIENT)			
7.	Temperature of cooler(s) upon receipt:	18°				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	(No)	No	No	No	No

Date/Time Temperatures Taken: 8/15/06 @ 0958

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: _____

Cooler Breakdown: Date: 8/15/06 by: RJ

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
12	NaOH						
2	HNO_3						
2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						
5-9**	P/PCBs (608 only)						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4.

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Appendix B
Monitoring Well Groundwater Analytical Results

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

August 16, 2006

Ms. Janet Bishop
URS Corporation
1375 Euclid Ave.
Suite 600
Cleveland, OH 44115

PROJECT:GRIFFIN
Submission #:R2632770

Dear Ms. Bishop

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services, Inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : URS Corporation
Project Reference: GRIFFIN
Lab Submission # : R2632770
Project Manager : Michael Perry
Reported : 08/16/06

Report Contains a total of 112 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael E Perry

CASE NARRATIVE

COMPANY: URS Corp.
PROJECT: Griffin
SUBMISSION #: R2632770

URS water samples were collected on 7/20/06 and 7/24/06 and received at CAS on the same day as collection in good condition. See the CLP Batching Form for sample ID cross-references. An ASP-B validation type data package has been provided.

VOLATILE ORGANICS

Twenty-one water samples and two Trip Blanks were analyzed for the Target Compound List (TCL) of Volatile Organics by NYSASP and Method OLM 4.2. Library Searches against the NBS/EPA library were conducted on all samples. The 30 largest peaks within 10 % of the nearest Internal Standard were searched. A summary of detected peaks is included following the Target data. Any analyte detected was quantitated based on the closest internal standard and has been flagged with a "J" as estimated.

All Tuning criteria for BFB were within limits.

The initial and continuing calibration criteria for the method were met.

All internal standard areas were within QC limits.

All sample surrogate recoveries were within QC limits for recovery.

Sample MW-05S was analyzed for site specific QC. All matrix spike recoveries were within QC limits. All RPD were within limits except for TCE which has been flagged with an "*". All Blank Spike recoveries were within QC limits.

No other analytical or QC problems were encountered with these analyses.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package, has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Michael K. Perry
Laboratory Manager

Date 8/16/06

SDG #:MW-1(CASE No.: | BATCH COMPLETE: __yes_____ | DATE REVISED: 7/24/06
SUBMISSION R2632770 | DISKETTE REQUESTED: Y___ N__x__ | DATE DUE: 8/17/06
CLIENT: URS Corporation | DATE: 07/24/06 | PROTOCOL: ASP-B
CLIENT REP: Michael Perry | CUSTODY SEAL: ABSENT | SHIPPING No.:
PROJECT: GRIFFIN | CHAIN OF CUSTODY: PRESENT

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS)	% SOLIDS	REMARKS SAMPLE CONDITION
923459	MW-100-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923462	MW-200-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923463	MW-01-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923464	MW-02-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923467	MW-05D-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923468	MW-05S-072006 +QC	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923469	MW-04-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923470	MW-03-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923471	MW-06D-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923472	MW-06S-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923473	MW-07S-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923474	MW-07D-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923475	MW-09D-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923476	MW-09S-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923477	MW-110-072006	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
923500	TRIP BLANK (1)	WATER	OLM 4.2 VOA	7/20/06	7/20/06			
924044	RW-01-072406	WATER	OLM 4.2 VOA	7/24/06	7/24/06			
924045	RW-02-072406	WATER	OLM 4.2 VOA	7/24/06	7/24/06			
924046	RW-03-072406	WATER	OLM 4.2 VOA	7/24/06	7/24/06			
924047	EFF-072406	WATER	OLM 4.2 VOA	7/24/06	7/24/06			
924048	MW-10S-072406	WATER	OLM 4.2 VOA	7/24/06	7/24/06			
924049	MW-10D-072406	WATER	OLM 4.2 VOA	7/24/06	7/24/06			
924050	TRIP BLANK (2)	WATER	OLM 4.2 VOA	7/24/06	7/24/06			

3

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Ethics Service Quality Environment
2005 SEAL OF EXCELLENCE PROGRAM

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

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PAGE 1 OF 2

SR #

CAS Contact

Project Name: Garrison	Project Number: 13807296.00000
Project Manager: Jason Bishop	Report CC: Jason Bishop
Company/Address: UNS Corporation 1375 Euclid Ave, Suite 600 Cleveland, OH 44115	
Phone #: (216) 622-2400	FAX#: (216) 622-2428
Sampler's Signature:	Sampler's Printed Name: Kevin T. McGowan

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	VOCs, OLM 04.2	REMARKS/ ALTERNATE DESCRIPTION
MW100-072006		7/20/06	1023	WG	3								3	Field Dup
MW200-072006			814										1	Field Blank
MW-01-072006			07:49											
MW-02-072006			07:56											
MW-05D-072006			08:08											
MW-05S-072006			08:14											
MS-05S-072006			↓											Matrix Spike
MSD-05S-072006			↓											Matrix Spike Dup
MW-04-072006			08:32											
MW-03-072006			08:38											

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
____ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R2632770
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 8°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature: Rachel Jones	Signature	Signature	Signature	Signature
Printed Name: Kevin T. McGowan	Printed Name: Rachel Jones	Printed Name	Printed Name	Printed Name	Printed Name
Firm: UNS	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 7/20/06, 11:24	Date/Time: 7/20/06 1124	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Co[redacted]n Analytical Services INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 2 OF 2

SR # [redacted]

CAS Contact

Project Name: Gaffin	Project Number: 138072K.0000
Project Manager: Janet Bishop	Report CC: →
Company/Address: See Page 1 of 2	
Phone #	FAX#
Sampler's Signature: Kevin McGowan	Sampler's Printed Name

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	VOCs OLM 04.2							REMARKS/ ALTERNATE DESCRIPTION
MW-060-072006		7/20/06	08:48	WG	3								3							
MW-065-072006			08:54																	
MW-075-072006			09:08																	
MW-070-072006			09:14																	
MW-090-072006			09:25																	
MW-095-072006			09:30																	
MW-110-072006			09:19																	

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 8°C CUSTODY SEALS: Y N

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
____ STANDARD Por
REQUESTED FAX DATE Confirmed
____
REQUESTED REPORT DATE
____

REPORT REQUIREMENTS
____ I. Results Only Per Comm
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R263270
SUBMISSION #:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: [signature]	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: Kevin T. McGowan	Printed Name: Rachel Jones	Printed Name	Printed Name	Printed Name	Printed Name
Firm: GZA	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 7/20/06 1124	Date/Time: 7/20/06 1124	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client URS Submission Number R2632770.

Cooler received on 7/20/06 by: RG COURIER: CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	YES	(NO)			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	CAS/ROC, CLIENT				
7.	Temperature of cooler(s) upon receipt:	8°				
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	(No)	No	No	No	No

Date/Time Temperatures Taken: 7/20/06 @ 1130

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MP 7/20/06

Cooler Breakdown: Date: 7/20/06 by: AWL

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
12	NaOH						
2	HNO_3						
2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						
5-9**	P/PCBs (608 only)						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services INC.
An Employee - Owned Company
www.caslab.com

CHAIN OF CUSTODY LABORATORY ANALYSIS REQUEST FORM

SR #

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 1

CAS Contact

Project Name	Project Number
Griffin	13807296.0000
Project Manager	**Report CC**
Jason Bishop	Jason Bishop
Company/Address	
URS Corporation	
1375 Euclid Ave, Suite 600	
Cleveland, OH 44115	
Phone #	**FAX#**
(216) 622-2400	(216) 622-2428
Sampler's Signature	**Sampler's Printed Name**
	Kevin J. McGarvey

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	VOCs 8lm 0412							REMARKS/ ALTERNATE DESCRIPTION
MW-01-072406		7/24/06	09:30	WG	3								3							
MW-02-072406			09:35																	
MW-03-072406			09:40																	
EFF-072406			09:50																	
MW-10S-072406			12:45																	
MW-10D-072406			12:50																	
TB		—	—	—																

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 4°

CUSTODY SEALS: Y N

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
_____ STANDARD Per Contract
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
____ I. Results Only Per Contract
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R2632770
SUBMISSION #:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature Rachel Jones	Signature	Signature	Signature	Signature
Printed Name Kevin J. McG	Printed Name Rachel Jones	Printed Name	Printed Name	Printed Name	Printed Name
Firm URS Corp	Firm CAS	Firm	Firm	Firm	Firm
Date/Time 7/24/06 14:22	Date/Time 7/24/06 1422	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client URS Submission Number R2632770.

Cooler received on 7/24/06 by: RJ **COURIER:** CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?		YES	(NO)		
2.	Were custody papers properly filled out (ink, signed, etc.)?		(YES)	NO		
3.	Did all bottles arrive in good condition (unbroken)?		(YES)	NO		
4.	Did any VOA vials have significant air bubbles?		YES	NO	N/A	
5.	Were **Ice** or **Ice packs** present?		(YES)	NO		
6.	Where did the bottles originate?		(CAS/ROC), CLIENT			
7.	Temperature of cooler(s) upon receipt:	4°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 7/24/06 @ 1425

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: _____

Cooler Breakdown: Date: 7/24/06 by: AWH

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
12	NaOH						
2	HNO_3						
2	H_2SO_4						
Residual Chlorine (+/-)	for TCN & Phenol						
5-9**	P/PCBs (608 only)						

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW100

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923459 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8431.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW100

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923459 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8431.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW100

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923459 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8431.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW200

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923462 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8434.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	96	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW200

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923462 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8434.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW200

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923462 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8434.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW01

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923463 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8460.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW01

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923463 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8460.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW01

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923463 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8460.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW02

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923464 20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8459.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0 20 x a 8/16/06

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	200	U
67-64-1	Acetone	200	U
75-35-4	1,1-Dichloroethene	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene chloride	200	U
75-15-0	Carbon disulfide	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
75-34-3	1,1-Dichloroethane	200	U
78-93-3	2-Butanone	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
67-66-3	Chloroform	200	U
110-82-7	Cyclohexane	200	U
107-06-2	1,2-Dichloroethane	200	U
71-55-6	1,1,1-Trichloroethane	37	J
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	200	U
79-01-6	Trichloroethene	2100	
108-87-2	Methylcyclohexane	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
124-48-1	Dibromochloromethane	200	U
75-25-2	Bromoform	200	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	200	U
591-78-6	2-Hexanone	200	U
127-18-4	Tetrachloroethene	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW02

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923464 20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8459.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0 20 KA 8/16/06

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	200	U
95-47-6	o-Xylene	200	U
100-42-5	Styrene	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW02

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923464 20

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8459.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0 20 8/16/06

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW05D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923467 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8461.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	0.9	J
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	71	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

Ka 8/14/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW05D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923467 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8461.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW05D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923467 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8461.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW05S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923468 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8430.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	100	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW05S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923468 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8430.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW05S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923468 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8430.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW04

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923469 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8462.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	6	J
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	1	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	170	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW04

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923469 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8462.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW04

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923469 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8462.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW03

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923470 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8481.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	60	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW03

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923470 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8481.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW03

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923470 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8481.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW06D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923471 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8439.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	50	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW06D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923471 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8439.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW06D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923471 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8439.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW06S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923472 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8440.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	48	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW06S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923472 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8440.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW06S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923472 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8440.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923473 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8482.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	2	J
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	92	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW07S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923473 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8482.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW07S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923473 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8482.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923474 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8455.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q	
75-71-8	Dichlorodifluoromethane	10	U	
74-87-3	Chloromethane	10	U	
75-01-4	Vinyl chloride	10	U	
74-83-9	Bromomethane	10	U	
75-00-3	Chloroethane	10	U	
75-69-4	Trichlorofluoromethane	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U	
67-64-1	Acetone	10	U	
75-35-4	1,1-Dichloroethene	10	U	
79-20-9	Methyl Acetate	10	U	
75-09-2	Methylene chloride	10	U	
75-15-0	Carbon disulfide	10	U	
1634-04-4	Methyl tert-Butyl Ether	0.4	J	KA 8/14/06
156-60-5	trans-1,2-Dichloroethene	10	U	
75-34-3	1,1-Dichloroethane	10	U	
78-93-3	2-Butanone	10	U	
156-59-2	cis-1,2-Dichloroethene	19		
67-66-3	Chloroform	10	U	
110-82-7	Cyclohexane	10	U	
107-06-2	1,2-Dichloroethane	10	U	
71-55-6	1,1,1-Trichloroethane	0.6	J	KA 8/14/06
56-23-5	Carbon tetrachloride	10	U	
71-43-2	Benzene	10	U	
79-01-6	Trichloroethene	110		
108-87-2	Methylcyclohexane	10	U	
78-87-5	1,2-Dichloropropane	10	U	
75-27-4	Bromodichloromethane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
124-48-1	Dibromochloromethane	10	U	
75-25-2	Bromoform	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
108-88-3	Toluene	10	U	
591-78-6	2-Hexanone	10	U	
127-18-4	Tetrachloroethene	10	U	
106-93-4	1,2-Dibromoethane	10	U	
108-90-7	Chlorobenzene	10	U	
100-41-4	Ethylbenzene	10	U	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW07D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923474 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8455.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW07D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923474 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8455.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW09D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923475 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8456.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	2	J
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW09D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923475 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8456.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW09D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923475 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8456.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW09S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923476 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8457.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW09S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923476 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8457.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW09S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923476 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8457.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW110 D ATS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923477 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8458.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW1190 ATS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923477 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8458.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW110 ATS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923477 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8458.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLK1

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923500 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8427.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLK1

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923500 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8427.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLK1

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 923500 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8427.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW01

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924044 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8465.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	0.6	J
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	5	J
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	160	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

Ka 8/14/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW01

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924044 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8465.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW01

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924044 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8465.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW02

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924045 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8466.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	1	J
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	4	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	140	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW02

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924045 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8466.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW02

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924045 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8466.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW03

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924046 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8467.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	1	J
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	2	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	55	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RW03

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924046 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8467.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RW03

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924046 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8467.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFF

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924047 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8468.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	2	J
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	4	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	130	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EFF

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924047 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8468.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EFF

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924047 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8468.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924048 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8469.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	1 8	J
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	3	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924048 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8469.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10S

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924048 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8469.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW10D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924049 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8480.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	0.6	J
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	3	J
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	4	J
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

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1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW10D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924049 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8480.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10D

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924049 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8480.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLK2

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924050 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8429.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

TRIP BLK2

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924050 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8429.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLK2

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 924050 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8429.D

Level: (low/med) LOW Date Received: 07/24/06

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VBLK1	96	94	92	0
02	TRIP BLK1	97	95	94	0
03	VBLK1MS	91	90	90	0
04	TRIP BLK2	88	89	89	0
05	MW05S	90	90	90	0
06	MW100	91	89	88	0
07	MW200	99	93	93	0
08	MW06D	91	91	90	0
09	MW06S	93	88	87	0
10	VBLK2	101	98	98	0
11	VBLK2MS	109	102	99	0
12	MW07D	104	103	99	0
13	MW09D	109	101	93	0
14	MW09S	109	100	97	0
15	MW110	107	103	99	0
16	MW02	103	104	98	0
17	MW01	106	102	96	0
18	MW05D	105	101	98	0
19	MW04	102	104	98	0
20	MW05S MS	100	95	93	0
21	MW05S MSD	104	96	94	0
22	RW01	109	104	97	0
23	RW02	108	100	96	0
24	RW03	107	99	94	0
25	EFF	109	101	98	0
26	MW10S	105	97	93	0
27	VBLK3MS	96	99	96	0
28	VBLK3	99	100	98	0
29	MW10D	102	100	94	0
30	MW03	102	101	96	0
31	MW07S	100	100	97	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-d4	(76-114)
SMC2	=	Toluene-d8	(88-110)
SMC3	=	Bromofluorobenzene	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK1

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID: B8425.D Lab Sample ID: 929100 1.0

Date Analyzed: 07/26/06 Time Analyzed: 12:01

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIP BLK1	923500 1.0	B8427.D	13:13
02	VBLK1MS	929101 1.0	B8428.D	13:49
03	TRIP BLK2	924050 1.0	B8429.D	14:25
04	MW05S	923468 1.0	B8430.D	15:01
05	MW100	923459 1.0	B8431.D	15:37
06	MW200	923462 1.0	B8434.D	17:25
07	MW06D	923471 1.0	B8439.D	20:27
08	MW06S	923472 1.0	B8440.D	21:03

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK1

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929100 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8425.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK1

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929100 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8425.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK1

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929100 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8425.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK2

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID: B8453.D Lab Sample ID: 929115 1.0

Date Analyzed: 07/27/06 Time Analyzed: 15:24

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK2MS	929116 1.0	B8454.D	16:00
02	MW07D	923474 1.0	B8455.D	16:35
03	MW09D	923475 1.0	B8456.D	17:11
04	MW09S	923476 1.0	B8457.D	17:47
05	MW110	923477 1.0	B8458.D	18:23
06	MW02	923464 20	B8459.D	18:59
07	MW01	923463 1.0	B8460.D	19:35
08	MW05D	923467 1.0	B8461.D	20:11
09	MW04	923469 1.0	B8462.D	20:47
10	MW05S MS	929123 1.0	B8463.D	21:23
11	MW05S MSD	929124 1.0	B8464.D	21:59
12	RW01	924044 1.0	B8465.D	22:35
13	RW02	924045 1.0	B8466.D	23:11
14	RW03	924046 1.0	B8467.D	23:47
15	EFF	924047 1.0	B8468.D	00:23
16	MW10S	924048 1.0	B8469.D	00:59

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK2

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929115 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8453.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK2

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929115 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8453.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	0.56	J

KA 8/14/06

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK2

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929115 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8453.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK3

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID: B8479.D Lab Sample ID: 926034 1.0

Date Analyzed: 07/28/06 Time Analyzed: 13:14

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA5

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLK3MS	926035 1.0	B8478.D	12:31
02	MW10D	924049 1.0	B8480.D	13:57
03	MW03	923470 1.0	B8481.D	14:49
04	MW07S	923473 1.0	B8482.D	15:25

COMMENTS

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK3

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 926034 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8479.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	10	U
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK3

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 926034 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8479.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK3

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 926034 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8479.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix Spike - EPA Sample No.: MW05S

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	50	100	61 - 145
Benzene	50	0.0	50	100	76 - 127
Trichloroethene	50	100	140	86	71 - 120
Toluene	50	0.0	48	96	76 - 125
Chlorobenzene	50	0.0	49	98	75 - 130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	51	102	2	14	61 - 145
Benzene	50	51	102	2	11	76 - 127
Trichloroethene	50	150	100	22 *	14	71 - 120
Toluene	50	48	96	0	13	76 - 125
Chlorobenzene	50	48	96	2	13	75 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

_____

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW05S MS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929123 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8463.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	50	
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	50	
79-01-6	Trichloroethene	140	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	48	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW05S MS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929123 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8463.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW05S MSD

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929124 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8464.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	51	
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	3	J
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	51	
79-01-6	Trichloroethene	150	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	48	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	48	
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW05S MSD

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929124 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8464.D

Level: (low/med) LOW Date Received: 07/20/06

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix Spike - EPA Sample No.: VBLK1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	49	98	61 - 145
Benzene	50	0.0	51	102	76 - 127
Trichloroethene	50	0.0	50	100	71 - 120
Toluene	50	0.0	50	100	76 - 125
Chlorobenzene	50	0.0	50	100	75 - 130

COMMENTS: _____

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK1MS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929101 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8428.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	49	
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	51	
79-01-6	Trichloroethene	50	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	50	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	50	
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK1MS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929101 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8428.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/26/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix Spike - EPA Sample No.: VBLK2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	53	106	61 - 145
Benzene	50	0.0	50	100	76 - 127
Trichloroethene	50	0.0	47	94	71 - 120
Toluene	50	0.0	49	98	76 - 125
Chlorobenzene	50	0.0	49	98	75 - 130

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929116 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8454.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	53	
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	50	
79-01-6	Trichloroethene	47	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	49	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK2MS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 929116 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8454.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/27/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix Spike - EPA Sample No.: VBLK3

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	50	0.0	46	92	61 - 145
Benzene	50	0.0	45	90	76 - 127
Trichloroethene	50	0.0	45	90	71 - 120
Toluene	50	0.0	47	94	76 - 125
Chlorobenzene	50	0.0	45	90	75 - 130

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK3MS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 926035 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8478.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	U
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	46	
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene chloride	10	U
75-15-0	Carbon disulfide	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	U
107-06-2	1,2-Dichloroethane	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	45	
79-01-6	Trichloroethene	45	
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	47	
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	45	
100-41-4	Ethylbenzene	10	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK3MS

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Matrix: (soil/water) WATER Lab Sample ID: 926035 1.0

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: B8478.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 07/28/06

GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
1330-20-7	(m+p)Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	0	J

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID: B8411.D BFB Injection Date: 07/25/06

Instrument ID: MSVOA5 BFB Injection Time: 17:20

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.9
75	30.0 - 66.0% of mass 95	40.5
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	74.0
175	4.0 - 9.0% of mass 174	5.6 (7.6)1
176	93.0 - 101.0% of mass 174	72.8 (98.4)1
177	5.0 - 9.0% of mass 176	4.9 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	10	10 PPB	B8413.D	07/25/06	18:28
02	20	20 PPB	B8414.D	07/25/06	19:04
03	50	50 PPB	B8415.D	07/25/06	19:40
04	100	100 PPB	B8416.D	07/25/06	20:16
05	200	200 PPB	B8417.D	07/25/06	20:52

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID: B8422.D BFB Injection Date: 07/26/06

Instrument ID: MSVOA5 BFB Injection Time: 10:11

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.9
75	30.0 - 66.0% of mass 95	40.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	77.5
175	4.0 - 9.0% of mass 174	5.8 (7.5)1
176	93.0 - 101.0% of mass 174	74.5 (96.2)1
177	5.0 - 9.0% of mass 176	4.8 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV1	CCV	B8423.D	07/26/06	10:49
02	VBLK1	929100 1.0	B8425.D	07/26/06	12:01
03	TRIP BLK1	923500 1.0	B8427.D	07/26/06	13:13
04	VBLK1MS	929101 1.0	B8428.D	07/26/06	13:49
05	TRIP BLK2	924050 1.0	B8429.D	07/26/06	14:25
06	MW05S	923468 1.0	B8430.D	07/26/06	15:01
07	MW100	923459 1.0	B8431.D	07/26/06	15:37
08	MW200	923462 1.0	B8434.D	07/26/06	17:25
09	MW06D	923471 1.0	B8439.D	07/26/06	20:27
10	MW06S	923472 1.0	B8440.D	07/26/06	21:03

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID: B8450.D BFB Injection Date: 07/27/06

Instrument ID: MSVOA5 BFB Injection Time: 13:32

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.5
75	30.0 - 66.0% of mass 95	41.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	75.6
175	4.0 - 9.0% of mass 174	6.0 (7.9)1
176	93.0 - 101.0% of mass 174	74.2 (98.1)1
177	5.0 - 9.0% of mass 176	4.8 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV2	CCV	B8452.D	07/27/06	14:46
02	VBLK2	929115 1.0	B8453.D	07/27/06	15:24
03	VBLK2MS	929116 1.0	B8454.D	07/27/06	16:00
04	MW07D	923474 1.0	B8455.D	07/27/06	16:35
05	MW09D	923475 1.0	B8456.D	07/27/06	17:11
06	MW09S	923476 1.0	B8457.D	07/27/06	17:47
07	MW110	923477 1.0	B8458.D	07/27/06	18:23
08	MW02	923464 20	B8459.D	07/27/06	18:59
09	MW01	923463 1.0	B8460.D	07/27/06	19:35
10	MW05D	923467 1.0	B8461.D	07/27/06	20:11
11	MW04	923469 1.0	B8462.D	07/27/06	20:47
12	MW05S MS	929123 1.0	B8463.D	07/27/06	21:23
13	MW05S MSD	929124 1.0	B8464.D	07/27/06	21:59
14	RW01	924044 1.0	B8465.D	07/27/06	22:35
15	RW02	924045 1.0	B8466.D	07/27/06	23:11
16	RW03	924046 1.0	B8467.D	07/27/06	23:47
17	EFF	924047 1.0	B8468.D	07/28/06	00:23
18	MW10S	924048 1.0	B8469.D	07/28/06	00:59

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID: B8476.D BFB Injection Date: 07/28/06

Instrument ID: MSVOA5 BFB Injection Time: 11:15

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.6
75	30.0 - 66.0% of mass 95	41.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	73.2
175	4.0 - 9.0% of mass 174	5.4 (7.4)1
176	93.0 - 101.0% of mass 174	71.0 (97.0)1
177	5.0 - 9.0% of mass 176	4.7 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV3	CCV	B8477.D	07/28/06	11:47
02	VBLK3MS	926035 1.0	B8478.D	07/28/06	12:31
03	VBLK3	926034 1.0	B8479.D	07/28/06	13:14
04	MW10D	924049 1.0	B8480.D	07/28/06	13:57
05	MW03	923470 1.0	B8481.D	07/28/06	14:49
06	MW07S	923473 1.0	B8482.D	07/28/06	15:25

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID (Standard): B8423.D Date Analyzed: 07/26/06

Instrument ID: MSVOA5 Time Analyzed: 10:49

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR ST	191532	9.22	1005489	11.05	1050659	16.55
	UPPER LIMIT	383064	8.72	2010978	10.55	2101318	16.05
	LOWER LIMI	95766	9.72	502745	11.55	525330	17.05
	EPA SAMPLE NO.						
01	VBLK1	179417	9.22	951692	11.04	975108	16.54
02	TRIP BLK1	191921	9.23	996296	11.03	1028355	16.55
03	VBLK1MS	177225	9.22	919401	11.04	964821	16.55
04	TRIP BLK2	229468	9.23	1145503	11.04	1186404	16.55
05	MW05S	196993	9.23	996163	11.05	1024352	16.55
06	MW100	205771	9.23	1067366	11.05	1103737	16.55
07	MW200	191297	9.23	987042	11.05	1021147	16.55
08	MW06D	198146	9.22	1008184	11.05	1047740	16.55
09	MW06S	194234	9.23	1015341	11.05	1057240	16.55

IS1 = Bromochloromethane

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID (Standard): B8452.D Date Analyzed: 07/27/06

Instrument ID: MSVOA5 Time Analyzed: 14:46

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR ST	228677	9.23	1145009	11.05	1212775	16.55
	UPPER LIMIT	457354	8.73	2290018	10.55	2425550	16.05
	LOWER LIMI	114339	9.73	572505	11.55	606388	17.05
	EPA SAMPLE NO.						
01	VBLK2	226911	9.23	1175913	11.04	1218065	16.55
02	VBLK2MS	220701	9.23	1194023	11.05	1233120	16.55
03	MW07D	224680	9.23	1150330	11.04	1193597	16.55
04	MW09D	211949	9.23	1141105	11.05	1205489	16.55
05	MW09S	219462	9.22	1154378	11.05	1215476	16.55
06	MW110	216008	9.22	1132098	11.04	1158027	16.56
07	MW02	217601	9.23	1105968	11.05	1163357	16.55
08	MW01	214710	9.22	1116498	11.05	1187705	16.55
09	MW05D	213210	9.22	1104606	11.04	1152705	16.55
10	MW04	217273	9.22	1113000	11.04	1178151	16.55
11	MW05S MS	212222	9.23	1091359	11.04	1152669	16.55
12	MW05S MSD	211177	9.22	1075797	11.04	1175439	16.54
13	RW01	202162	9.21	1085096	11.04	1099064	16.55
14	RW02	208861	9.22	1085448	11.03	1139009	16.55
15	RW03	203765	9.22	1084630	11.04	1141971	16.54
16	EFF	205675	9.22	1087550	11.04	1132724	16.54
17	MW10S	205631	9.22	1102687	11.04	1165455	16.54

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CAS-ROCH Contract: URS

Lab Code: 10145 Case No.: R6-32770 SAS No.: _____ SDG No.: MW100

Lab File ID (Standard): B8477.D Date Analyzed: 07/28/06

Instrument ID: MSVOA5 Time Analyzed: 11:47

GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
	12 HOUR ST	218792	9.22	1127910	11.05	1191868	16.55
	UPPER LIMIT	437584	8.72	2255820	10.55	2383736	16.05
	LOWER LIMI	109396	9.72	563955	11.55	595934	17.05
	EPA SAMPLE NO.						
01	VBLK3MS	222507	9.22	1125003	11.04	1152656	16.55
02	VBLK3	215915	9.22	1096295	11.04	1147540	16.55
03	MW10D	214676	9.22	1135564	11.04	1163044	16.55
04	MW03	208045	9.22	1129835	11.04	1144214	16.55
05	MW07S	215905	9.22	1138652	11.04	1162068	16.54

IS1 = Bromochloromethane
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

Appendix C
Analytical Data Validation

APPENDIX C
ANALYTICAL DATA VALIDATION

GRIFFIN TECHNOLOGY SITE

SYSTEM OPERATION
ANNUAL GROUNDWATER SAMPLING

JULY 2006

INTRODUCTION

This appendix presents the findings of the validation of analytical data for samples collected in July 2006 at the Griffin Technology Inc. (GTI) Site. Sampling was conducted by URS Corporation (URS) and analytical services were provided by Columbia Analytical Services, Inc. (CASI) of Rochester, New York. Eighteen primary groundwater samples, one effluent sample, and associated QC samples (field duplicate, field blank, and trip blanks) were collected and analyzed for volatile organic compounds (VOCs) by USEPA Contract Laboratory Program (CLP) Method OLM04.2 in accordance with the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) dated June 2000.

The procedures for validation of the data followed guidance from the following documents:

- Interim Remedial Measure Program Appendix B: Quality Assurance Project Plan (QAPP). July 1996. Prepared by Woodward-Clyde Consultants.
- CLP Organics Data Review and Preliminary Review. S.O.P. No. HW-6, Revision 12, March 2001. Prepared by USEPA Region II.

The above "Guidelines" provided the criteria to review. Additional acceptance criteria are given in the analytical method.

The criteria evaluated included the following:

Volatile Organic Compounds

- Significant problems identified in case narrative
- Results reported from secondary dilutions, if any
- Sample holding times
- Instrument performance and calibration
- Method blank and trip blank contamination
- Surrogate spike recoveries
- Laboratory control sample recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) recoveries and relative percent difference (RPD) values
- Internal standard areas and retention times

- Field duplicate results
- Compound identification and quantitation
- Overall assessment of data

The following sections present the findings of the data validation.

SIGNIFICANT PROBLEMS IDENTIFIED IN CASE NARRATIVE

No significant problems were noted in the case narrative.

RESULTS REPORTED FROM SECONDARY DILUTIONS

Sample MW-02-072006 was analyzed at a 20-fold dilution due to a concentration of trichloroethene (2100 µg/L) that exceeded the calibration range. The reporting limits for all volatile analytes were therefore elevated by a factor of 20 in this sample.

SAMPLE HOLDING TIMES

The VOC contractual holding time criterion established in the QAPP is seven days from receipt at the laboratory to analysis. All samples in the sample delivery group (SDG) were analyzed within this time period, which is well within the technical holding time of 14 days after collection for preserved water samples.

GC/MS INSTRUMENT PERFORMANCE

GC/MS instrument performance checks are performed to ensure mass resolution, identification, and instrument sensitivity. Criteria for evaluating instrument performance included instrument tuning frequency requirements, mass assignments, and ion abundance criteria. All criteria for bromofluorobenzene (BFB) tuning checks for VOCs were met for this SDG. In addition, no transcription errors or calculation errors were noted during validation of the instrument performance data.

INITIAL AND CONTINUING CALIBRATION

Initial and continuing calibration criteria are established to ensure that the instruments are capable of producing acceptable qualitative and quantitative data for VOCs. All initial and continuing calibrations were performed at the required frequency.

All VOC initial calibration relative response factor (RRF) values and relative standard deviations (RSDs) met the acceptance criteria presented in the "Guidelines".

All VOC continuing calibration RRF values met the acceptance criterion presented in the "Guidelines". One VOC continuing calibration analysis performed on July 27, 2006 yielded a percent difference (%D) value for 2-butanone above the "Guidelines" acceptance criterion of 25 percent (specifically, 28.0%). The 2-butanone results in all associated samples were qualified as estimated ("UJ"), in accordance with the "Guidelines".

Associated Groundwater Samples: MW-01-072006, MW-02-072006, MW-04-072006, MW-4-072006, MW-05D-072006, MW-7D-072006, MW-9D-072006, MW-9S-072006, MW-10S-072406, MW-11D-072006, RW-01-072406, RW-02-072406, RW-03-072406, and EFF-072406.

LABORATORY METHOD BLANKS

Laboratory method blanks evaluate the existence and magnitude of contamination problems resulting from laboratory activities. VOC laboratory method blanks were analyzed at the prescribed method frequency.

No volatile target compounds were detected in two of the three method blanks associated with samples in this SDG. In the third method blank, 1,2,4-trichlorobenzene was detected at a concentration of 0.8 J µg/L. Since this compound was not detected in any of the associated samples, no qualifications were necessary. No tentatively identified compounds (TICs) were detected in any of the method blanks.

TRIP BLANK SAMPLES

Trip blank samples are used to assess VOC cross-contamination during shipment to the laboratory. One trip blank sample was submitted with each of the coolers transported to the lab for VOC analyses. No target compounds or TICs were detected in the trip blanks.

SURROGATE SPIKE RECOVERIES

Samples analyzed for VOCs are spiked with surrogate compounds prior to analysis. Surrogate compounds are used to evaluate overall laboratory performance for sample

preparation efficiency on a per sample basis. The "Guidelines" require that all VOC surrogate spike recoveries meet acceptance criteria.

All VOC surrogate spike recoveries were within the laboratory's established control limits, indicating that the laboratory's preparation and analysis procedures were acceptable and that the sample matrix did not adversely affect target compound quantitation. In addition, no errors in calculations or transcriptions were noted during the validation of the surrogate spike recoveries.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) are analyzed for VOCs and serve to monitor the overall performance of the steps in an analysis, including sample preparation.

All VOC LCS recoveries were within the laboratory's established control limits, indicating that the method was in control. In addition, no errors in calculations or transcriptions were noted during the validation of the LCS recoveries.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) ANALYSES

Matrix effects on the analytical results are evaluated by analyzing matrix spike/matrix spike duplicate (MS/MSD) samples. Sample MW5D-071905 was analyzed as an MS/MSD sample for this SDG.

All VOC MS/MSD recoveries were within the method established control limits, indicating that acceptable analytical accuracy was achieved for these analyses. However, the relative percent difference (RPD) between the spike results for trichloroethene (22%) exceeded the control limit of 14%. The trichloroethene result for sample MW5D-071905 was therefore qualified as estimated (J) due to poor precision. No errors in calculations or transcriptions were noted during validation of the MS/MSD results.

INTERNAL STANDARDS

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during each analytical run. Internal standard area counts may not vary by more than a factor of two (-50 percent to +100 percent) from the associated continuing calibration

standard area counts. The retention times of the internal standards may not vary by more than ±30 seconds from the associated continuing calibration standard retention times.

All VOC analyses reported for the groundwater samples had acceptable internal standard area counts and retention times. Validation of the IS data also included verification of retention times and areas summarized on the "Volatile Internal Standard Area and RT Summary" forms (Form 8A) to those on the instrument chromatograms on a 10 percent basis; no discrepancies were noted.

FIELD DUPLICATE RESULTS

Field duplicate results were used to evaluate the precision of the entire sampling and analytical system and assess the representativeness of the overall sampling effort. For aqueous samples, when analytes for both duplicate and sample values are greater than five times the quantitation limit, satisfactory precision is indicated by an RPD less than or equal to 30 percent. Where one or both of the analytes of a field duplicate pair are reported at less than five times the quantitation limit, satisfactory precision is indicated if the field duplicate results agree within 2.5 times the quantitation limit. Field duplicate results that do not meet these criteria indicate poor precision and unsatisfactory representativeness of the results.

One field duplicate sample pair, labeled as samples MW-05S-072006 and MW-200-072006, was collected during this sampling event. The results reported for the field duplicates were in agreement with the above criteria, indicating that the data were representative and that the aggregate sampling and analytical precision was acceptable for this data set.

COMPOUND IDENTIFICATION AND QUANTITATION

All detected compounds were checked for potential identification errors and were recalculated from the raw data. No discrepancies or transcription errors were noted during validation of the reported compound identifications and quantitations.

OVERALL DATA ASSESSMENT

Based on the criteria outlined, it is recommended that the results reported for these analyses are accepted for their intended use. Acceptable levels of accuracy, precision, and representativeness (based on the LCS, MS/MSD, and field duplicate results) were achieved for this data set. Sample results from this investigation required no qualification except for

trichloroethene in sample MW5D-071905, which was qualified due to poor MS/MSD precision, and 2-butanone in 14 samples, which was qualified as estimated due to continuing calibration %D exceeding acceptance criteria. Therefore, completeness—defined to be the percentage of analytical results which are judged to be valid, including estimated ("J" or "UJ") values—was 100 percent for this data set.

No transcription errors or calculation errors were found during validation of the reported VOC results from this data set.