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)

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URS

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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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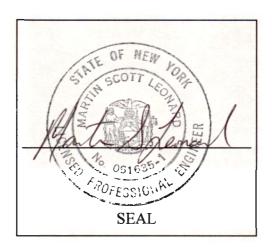


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SECTIONONE Introduction

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.

SECTIONTWO Scope of Work

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.

SECTIONTWO Scope of Work

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.

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.

SECTIONTWO Scope of Work

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

NM indicates water elevation not measured.

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

NM indicates water elevation not measured.

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

NM indicates water elevation not measured.

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

NM indicates water elevation not measured.

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-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

NM indicates water elevation not measured.

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-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

NM indicates water elevation not measured.

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-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

NM indicates water elevation not measured.

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-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

NM indicates water elevation not measured.

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	4
		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	

NM indicates water elevation not measured.

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	

NM indicates water elevation not measured.

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)	Groundwate 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	

NM indicates water elevation not measured.

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)
/W-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	

NM indicates water elevation not measured.

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

Well ID	Top of Casing Elevation (ff)	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	

NM indicates water elevation not measured.

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	

NM indicates water elevation not measured.

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) my 10=	vered under driveway	

NM indicates water elevation not measured.

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

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

NM indicates water elevation not measured.

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

NM indicates water elevation not measured.

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

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

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	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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 ($\mu g/l$).

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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
8	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample	mor:	111704	CIS-	V-l	A	Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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
- 4	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
- 1	9/2/1999	DRY	DRY	DRY	DRY	DRY	DRY
- 1	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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 ($\mu g/l$).

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample			CIS-			Vinyl
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Xylenes	Acetone	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
- 1	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

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample	le CIS-									
Well No.	Date	TCE	Acetone	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				
1	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				

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;J" indicates an estimated value.

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

Monitoring	Sample	CIS-									
Well No.	Date	TCE	1,1,1-TCA	1,2-DCE	Acetone	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	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				

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

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

[&]quot;ND" indicates not detected.

[&]quot;NS" indicates no sample collected; unable to locate or access well.

[&]quot;DRY" indicates well not sampled due to lack of water.

[&]quot;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-13D	4/11/1996	610	5	4	ND	ND	ND
11111 100	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	85 2 ND			ND	ND
	9/8/2000	140	ND	ND ND ND 2 ND ND		ND	ND
	3/8/2001	88	2			ND	ND
	9/13/2001	120	2	ND	ND	ND	ND
	5/24/2002	100	2	1	ND	ND	
	6/18/2003	Monitoring	well buried und	der pavement			

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

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

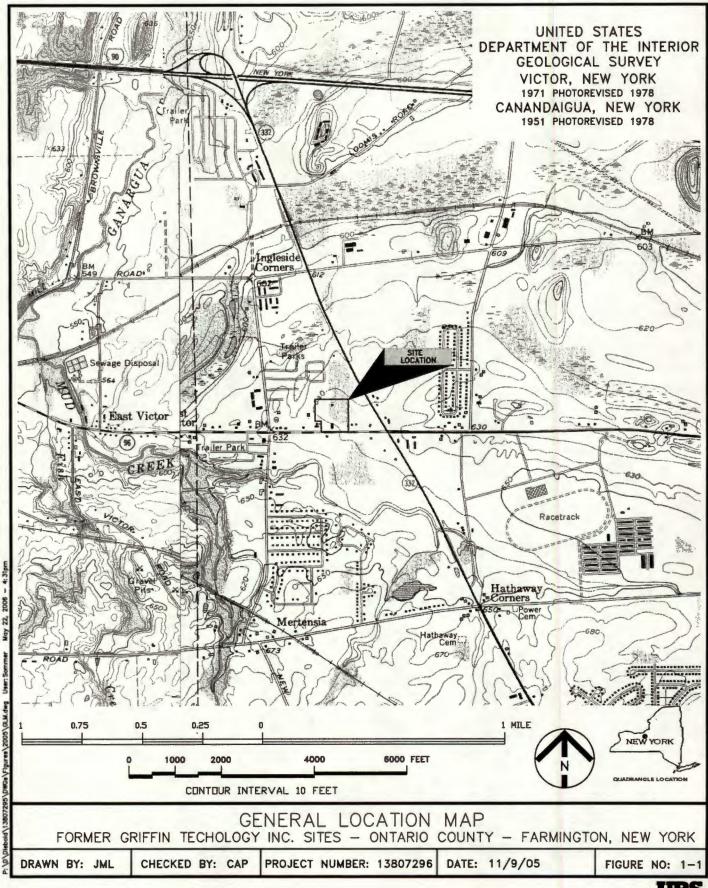
[&]quot;ND" indicates not detected.

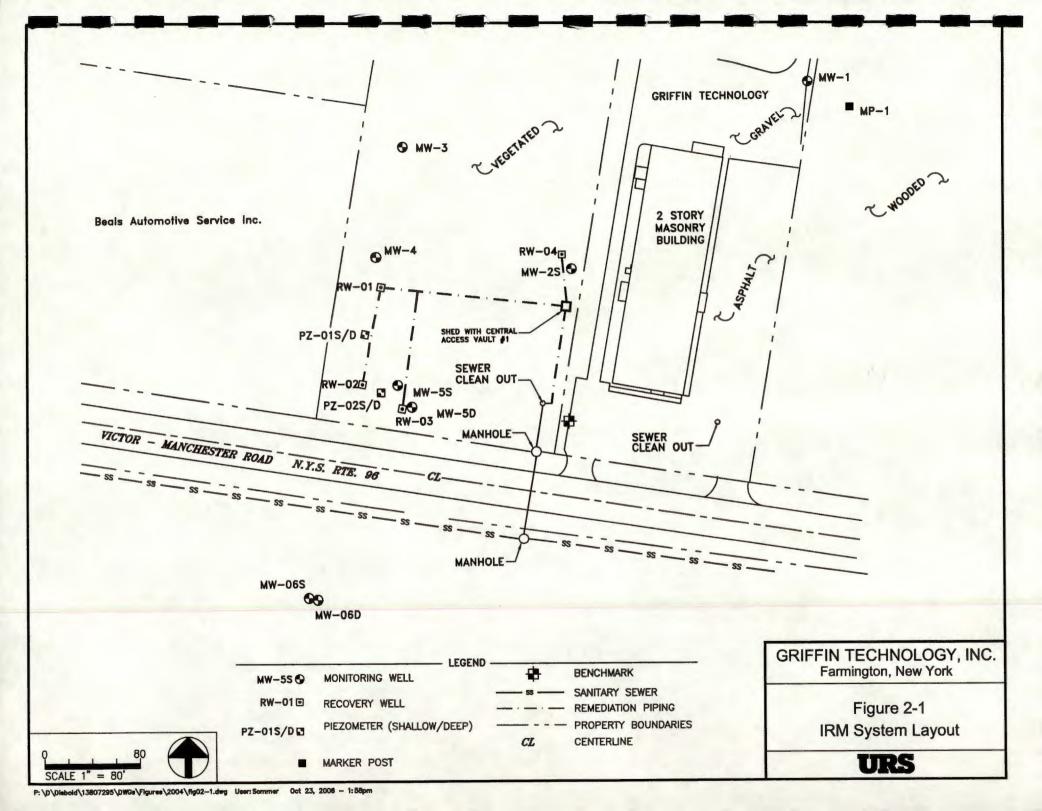
[&]quot;NS" indicates no sample collected; unable to locate or access well.

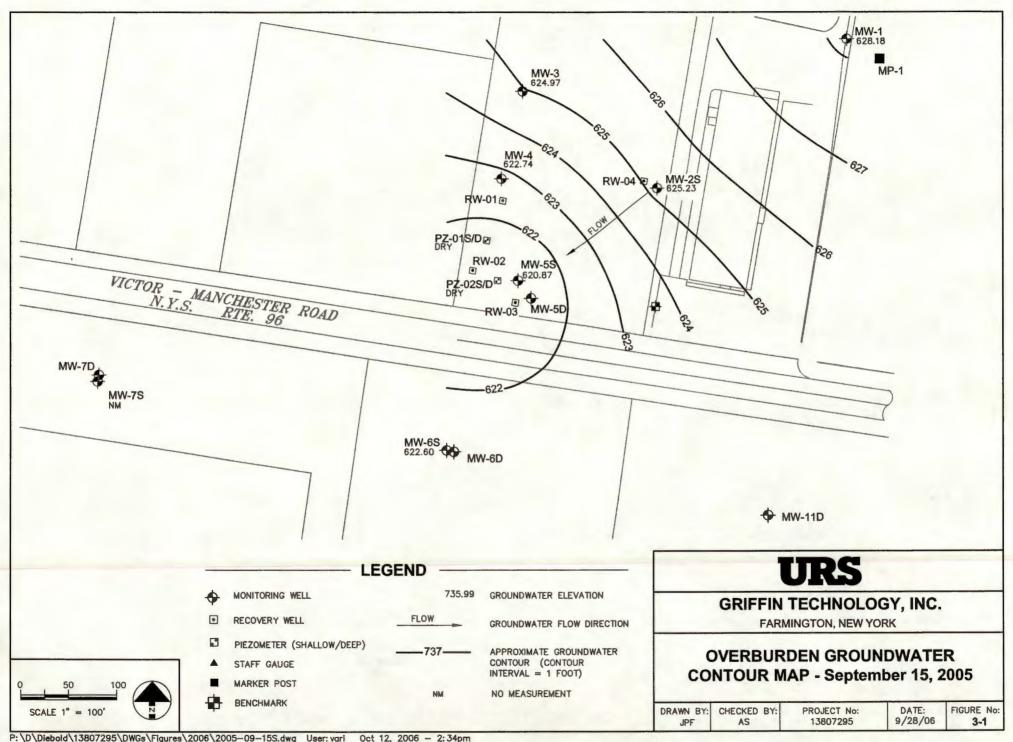
[&]quot;DRY" indicates well not sampled due to lack of water.

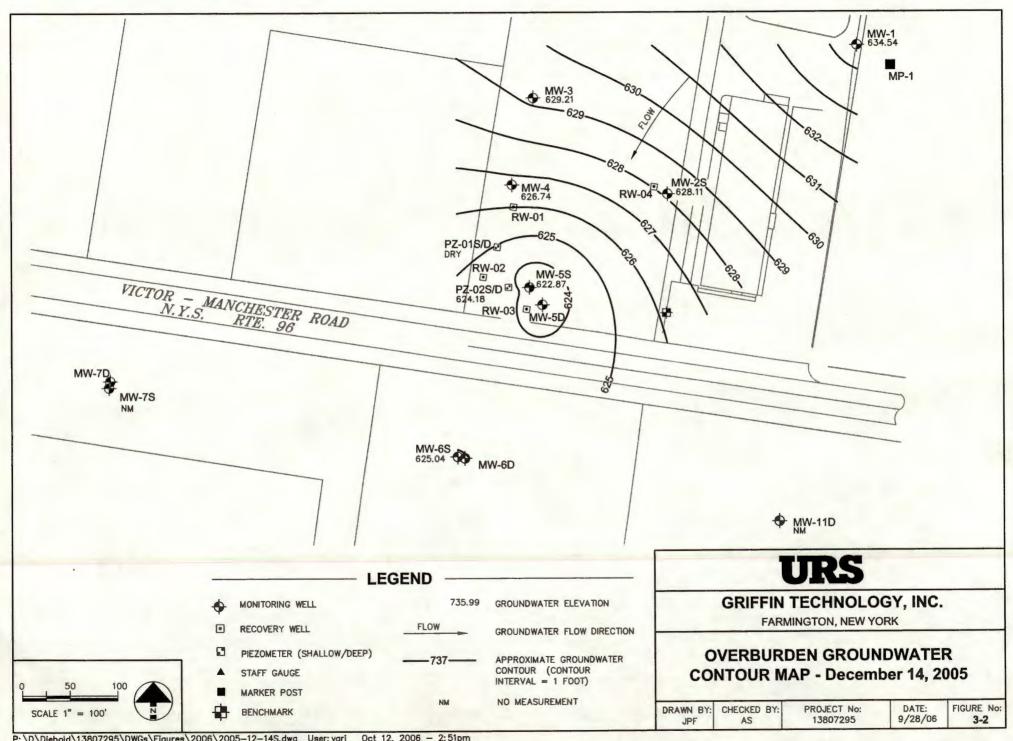
[&]quot;J" indicates an estimated value.

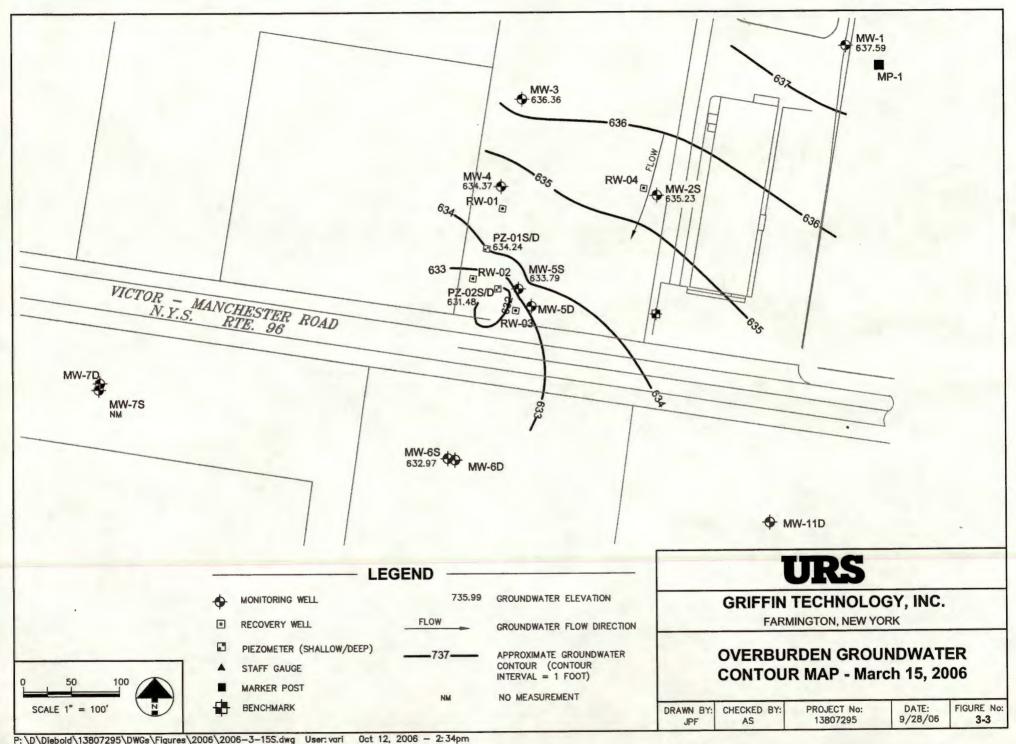
Figures

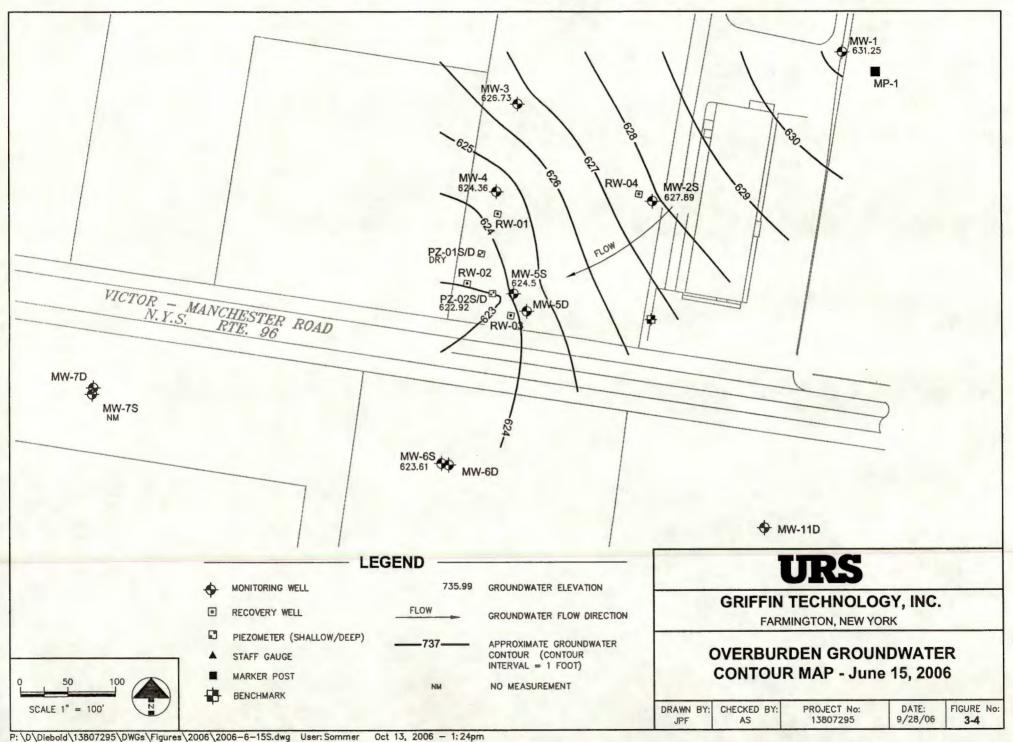


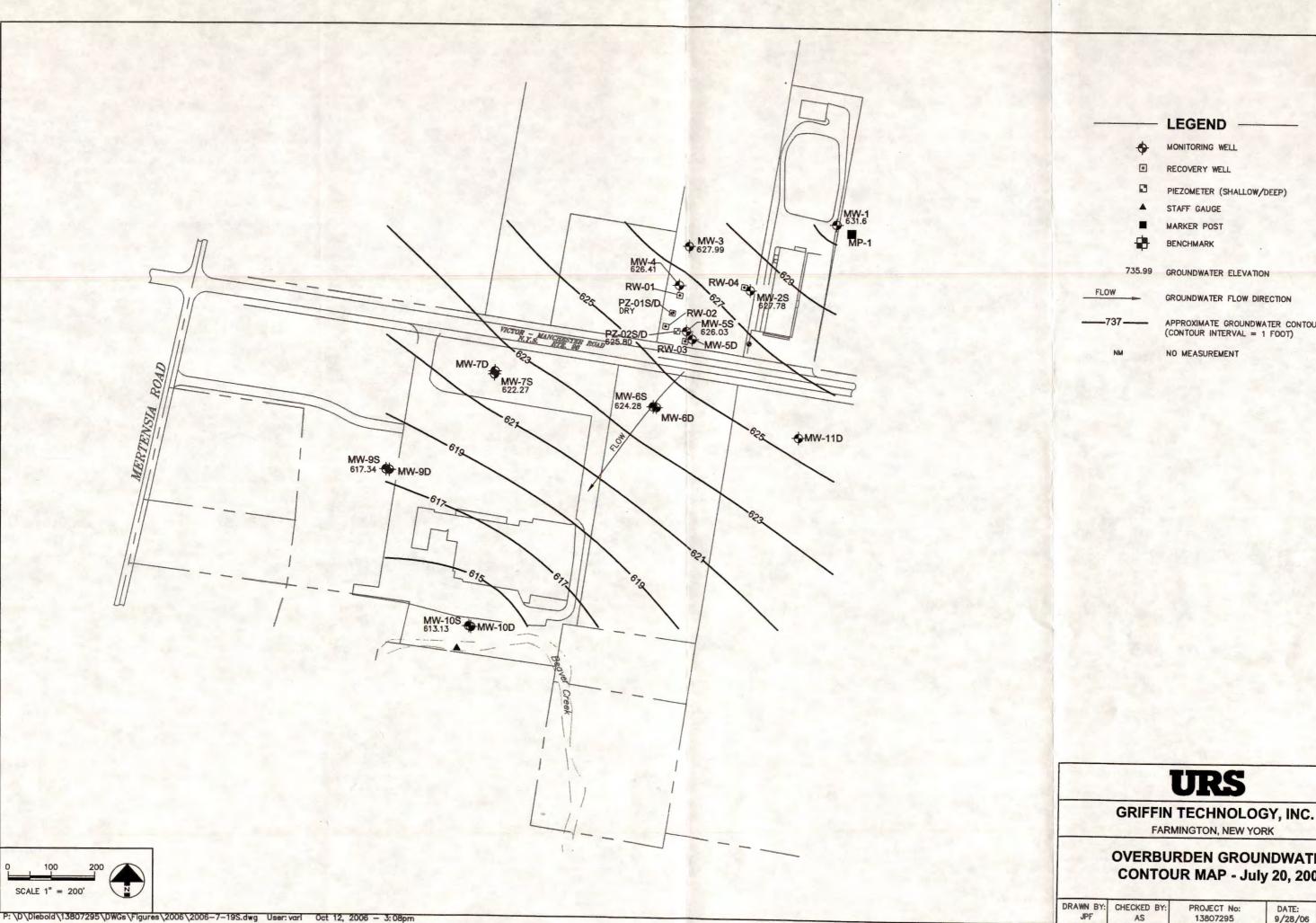








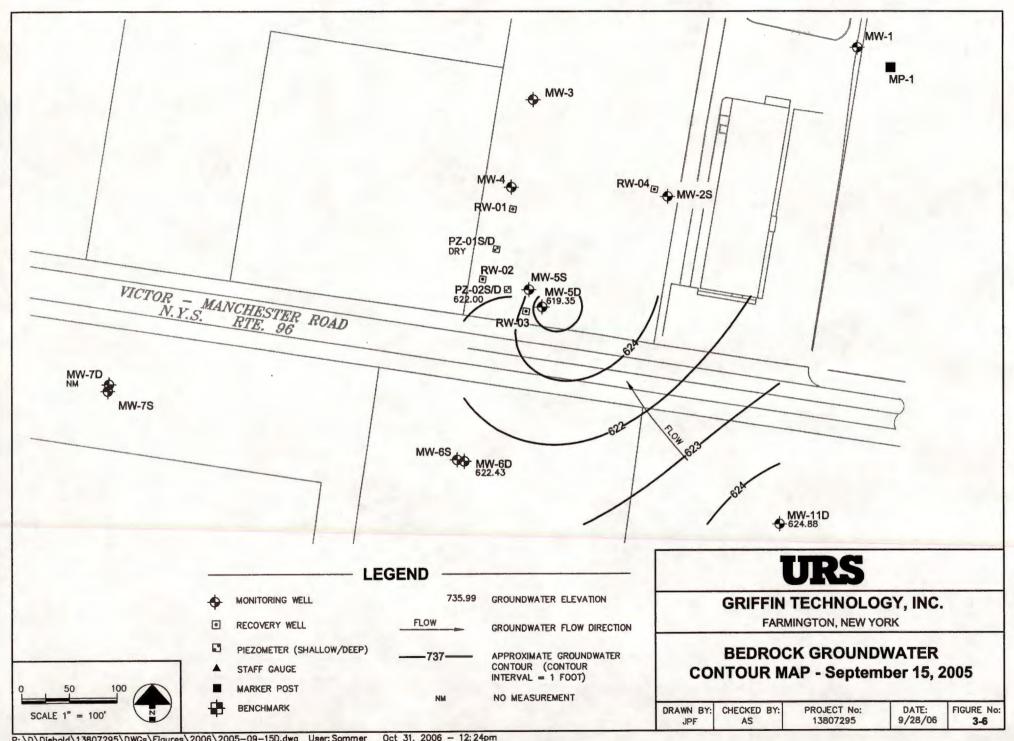


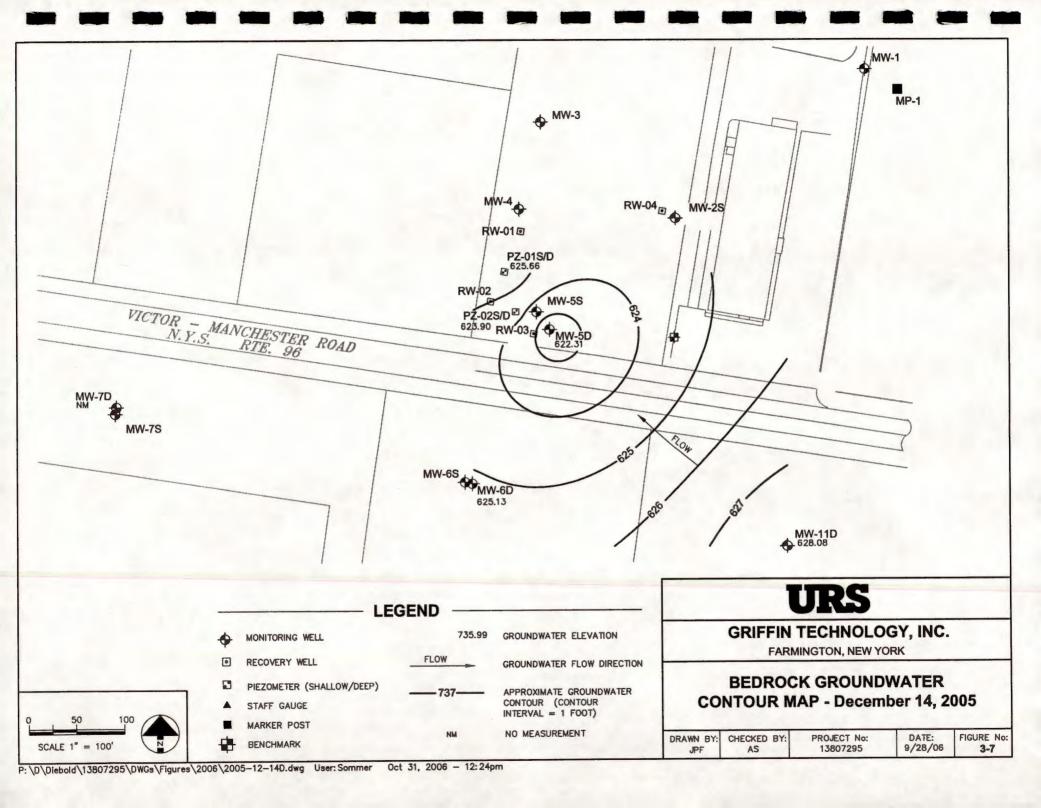


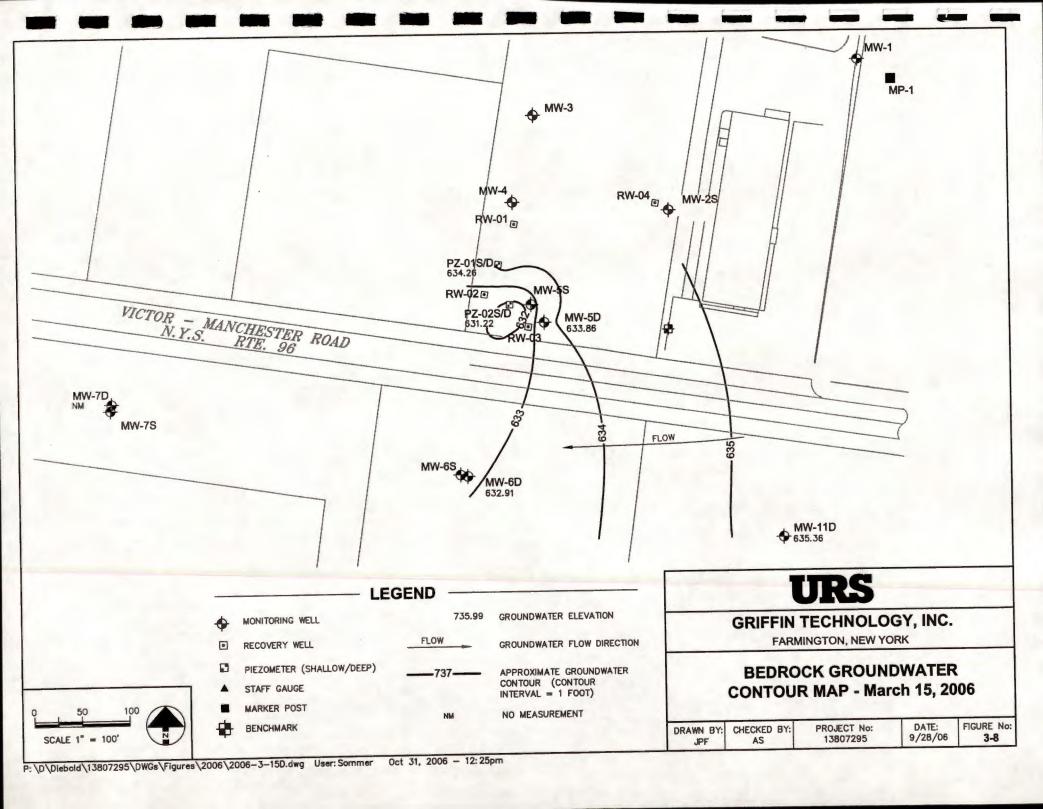
APPROXIMATE GROUNDWATER CONTOUR

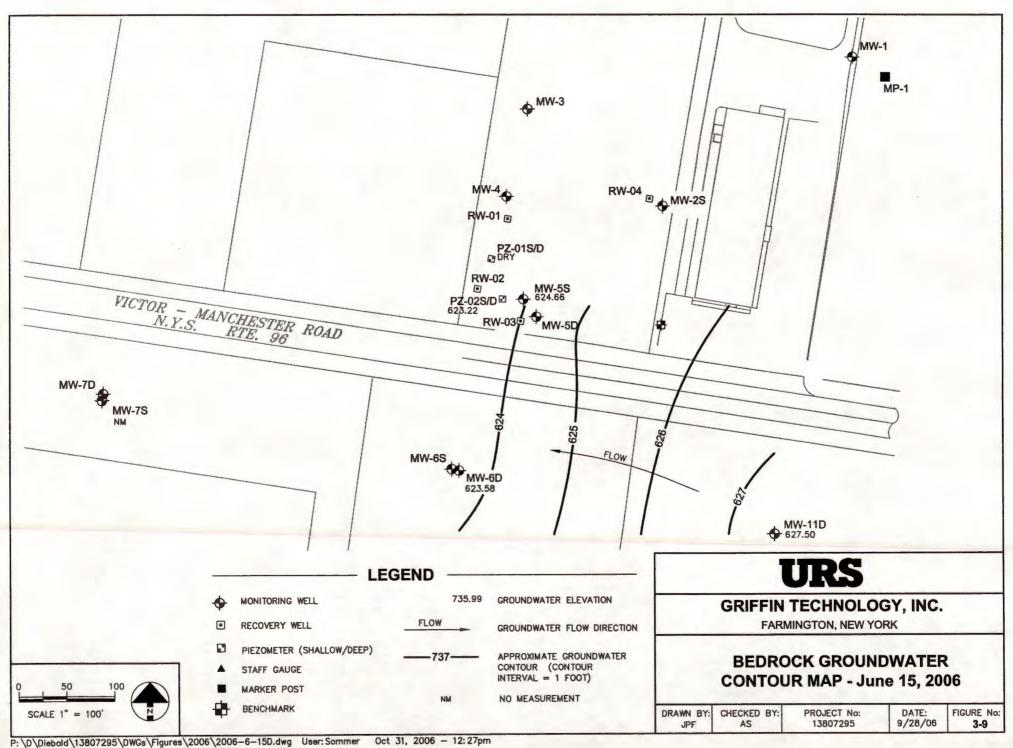
OVERBURDEN GROUNDWATER CONTOUR MAP - July 20, 2006

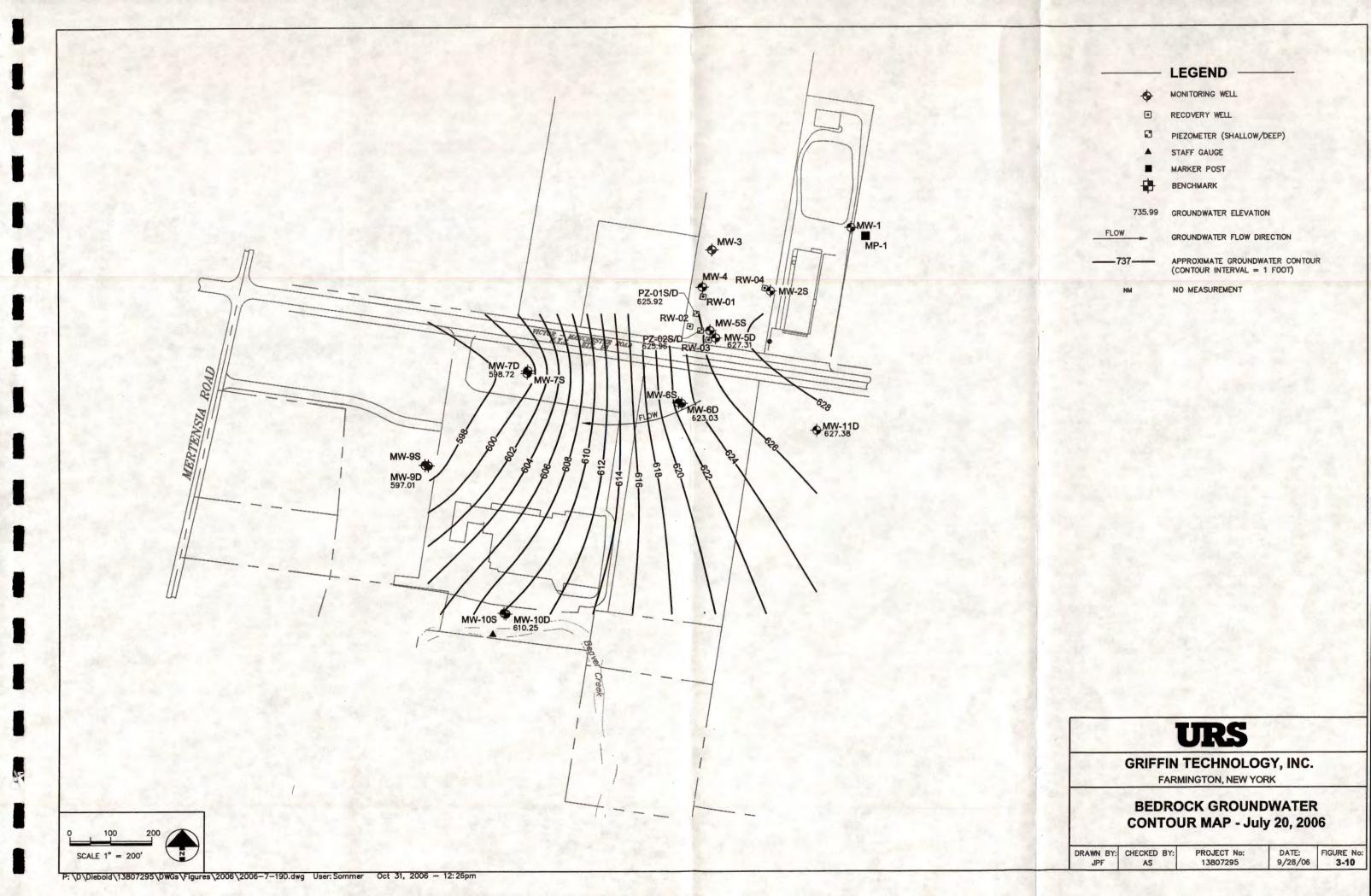
DATE: FIGURE No: JPF 13807295 9/28/06 3-5











Appendix A Recovery Well Effluent Analytical Results



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 Perry

Laboratory Director

Enc.



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.



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2527832

Lab ID 842664

Client ID

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.

ll 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.







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

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
-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
ARBON 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-DICHLOROETHANE	5.0	5.0 U	UG/L
	5.0	5.0 U	UG/L
,2-DICHLOROETHANE	5.0	5.0 U	UG/L
,1-DICHLOROETHENE	5.0	5.0 U	UG/L
IS-1,2-DICHLOROETHENE			UG/L
RANS-1,2-DICHLOROETHENE	5.0	5.0 U	
,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
IS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
RANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
THYLBENZENE	5.0	5.0 U	UG/L
-HEXANONE	_10	10 U	UG/L
ETHYLENE CHLORIDE	5.0	5.0 U	UG/L
-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
TYRENE	5.0	5.0 U	UG/L
,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
ETRACHLOROETHENE	5.0	5.0 U	UG/L
OLUENE	5.0	5.0 U	UG/L
,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
RICHLOROETHENE	5.0	110	UG/L
INYL CHLORIDE	5.0	5.0 U	UG/L
-XYLENE	5.0	5.0 U	UG/L
I+P-XYLENE	5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC LIMITS		
	80 - 123 %)	99	8
COLUENE-D8 (88 - 124 %)	100	8
DIBROMOFLUOROMETHANE (91 - 115 %)	99	8

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 843329	ANALYT	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				
BROMOFORM BROMOMETHANE	20.0	159 *	50 - 150				
2-BUTANONE (MEK)	20.0	105	50 - 150				
CARBON DISULFIDE	20.0	101	70 - 130				
CARBON DISULFIDE CARBON TETRACHLORIDE	20.0	113	70 - 130				
CARBON TETRACHLORIDE CHLOROBENZENE	20.0	103	70 - 130				
CHLOROETHANE	20.0	121	70 - 130				
CHLOROFORM	20.0	109	70 - 130				
HLOROFORM	20.0	128	70 - 130				
DIBROMOCHLOROMETHANE	20.0	97	70 - 130				
1,1-DICHLOROETHANE	20.0	112	70 - 130				
1,1-DICHLOROETHANE 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 SEI CES

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

Project Reference: Client Sample ID : METHOD BLANK

Date Sampled : Date Received:	Order #: Submission #:	843327	Sample Matrix: Analytical Run	
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 DISOLFIDE CARBON TETRACHLORIDE		5.0	5.0 U	UG/L
CHLOROBENZENE		5.0	5.0 U	UG/L
		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 U	UG/L
DIBROMOCHLOROMETHANE		5.0	5.0 U	UG/L
1,1-DICHLOROETHANE		5.0		
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 (MIE	BK)	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
M+L-YITENE		5.0	5.00	55/2
SURROGATE RECOVERIES	QC LII	MITS		
4-BROMOFLUOROBENZENE	(80 -	123 %)	115	ક
COLUENE-D8		124 %)	119	ક
DIBROMOFLUOROMETHANE	•	115 %)	110	8
DIDIONOL DOCKONDITURE	1			

CHAIN OF CUSTODY/LABORATORY . JALYSIS REQUEST FORM

SR#		
CAS Contact		

Services INC. An Employee - Owned Company One Must	tard St., Suite 250 • Roches	ster, NY 14609-0	859 • (585) 2	88-5380 • 8	00-695	5-7222 x11	• FAX (5	85) 288-	8475	PAC	E_	1	c)F	1	_	CA	S Con	tact			
Project Name GRIFFIN Project Manager Project Manager CARPY SZUHNY Project Number 13867296.0000 Report CC AARON Sommer					ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
	Report CC	+296.00	000					-						1								
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Cleveland OH 41115. Phone # FAX#			CONTAINERS	/	7016	3/00	1 0	Cip	Spot	Shelp	TO POOM				/	/	5. Zn. Ad 6. MeOh 7. NaHS	cetate				
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Sampler's Signature	Sampler's Printe	ed Name			I MB	1/20	150	4 D 5	30	0/0	18/8	8/1	37	/	/	/	/					
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See QAPP							V. Spelcalized Forms / Custom Report						K2527832			2						
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 733C CUSTODY SEA				ALS:	Y N							Edata	-	_Yes '		No	SU	BMISSION	1#:			
RELINQUISHED RECEIVED BY RELINQUISHED				BY			RECE	IVED B	Υ .		RELINQUISHED BY						RECEIVED BY					
Jan Je Chrose	Signature	nein	Signature			S	ignature					Signa	ture.					Sig	gnature			
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03/15/65 925	Firm CAS		im	e see		F	irm					Firm				1000		Fin	m			
Date/Jime	Date/Time 9-15-05	9:25	ate/Time			0	ate/Time					Date/	Time		-			Da	ite/Time			

Submission Number N - 27832 Cooler received on 15-05 by: COURIER: CAS UPS FEDEX VELOCITY (LIE No Courier custody seals on outside of cooler? Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant air bubbles? Were Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt: Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes Yes Yes If No, Explain Below Date/Time Temperatures Taken: 15-05 9732 Thermometer ID: 161 or RGUN Reading From: Temp Blank or Sample Bottle out of Temperature, Client Approval to Run Samples Cooler Breakdown: Date: 17-05 Were all bottle labels complete (i.e. analysis, preservation, etc.)? Did all bottle labels and tags agree with custody papers? Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated (Explain any discrepancies: YES NO Sample ID. Reagent Vol. Added PH Reagent YES NO Samples were preserved at lab as listed PC OK to adjust pH. **FIF pH adjustment is required, use Noth and or H ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2 **Other Comments: Other Comments: COURIER: CAS UPS FEDEX VELOCITY (ILE YES NO						k K A	
Cooler received on 915-05 by: COURIER: CAS UPS FEDEX VELOCITY CLIE Were custody seals on outside of cooler? Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant air bubbles? Were Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt: Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes Yes Yes Yes If No, Explain Below Date/Time Temperatures Taken: 915-05 0 9732 Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle out of Temperature, Client Approval to Run Samples Cooler Breakdown: Date: 915/05 Did all bottle labels complete (i.e. analysis, preservation, etc.)? TES NO Were correct containers used for the tests indicated? Air Samples: Cassettes / Tubes Intact Canisters Pressurized PH Reagent YES NO Sample I.D. Reagent Vol. Added PH Reagent 12 NaOH 12 NaOH 13 NaOH 14 Reagent No Sample I.D. Reagent Vol. Added PH Reagent 15 NaOH 16 PiPCBs (608 only) VOC Vial pH Verification (Tested after Analysis) Following Samples VOC Vial pH Verification (Tested after Analysis) Following Samples	roject/Client	URS_		S	ubmission Numb	- Ra-2783	32
Were custody seals on outside of cooler? Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant air bubbles? Where Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt: Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes Yes If No, Explain Below Date/Time Temperatures Taken: Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle of out of Temperature, Client Approval to Run Samples Cooler Breakdown: Date: Were all bottle labels complete (i.e. analysis, preservation, etc.)? Were correct containers used for the tests indicated? Were correct containers used for the tests indicated? Air Samples: Cassettes / Tubes Intact Canisters Pressurized PHOO Tedlar® Bags Inflated No. Added PH Reagent 12 NaOH 2 HNO, 2 HySO, Residual Chlorine (+/-) for TCN & Phenol 5.9** P/PCBs (608 only) PCS I Samples Were preserved at lab as listed PC OK to adjust pH **If pH adjustment is required, use NaOH and/or HySO, VOC Vial pH Verification (Tested after Analysis) Following Samples		H5-05 by:	E				
Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle fout of Temperature, Client Approval to Run Samples C Secondary Review:	Were custod Were custod Did all bottle Did any VO Were Ice or Where did th Temperature Is the temper	y seals on outside by papers properly it es arrive in good co. A vials have signifulate packs present in bottles originate to of cooler(s) upon rature within 0° - 6 ain Below	of cool filled coonditio ficant a ? ? receip	ler? out (ink n (unb ir bubl	yes Yes	YES YES YES YES YES YES YES CAS/RO	NO NO NO NO NO NO NO NO CLIENT Yes Yes
Cooler Breakdown: Date: 9-19-05 by: Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO NO Oc. Did all bottle labels and tags agree with custody papers? NO NO NO NO NO NO NO NO				1		dd i	
pH Reagent 12 NaOH 2 HNO3 2 H ₂ SO ₄ Residual Chlorine (+/-) for TCN & Phenol 5-9** P/PCBs (608 only) (**If pH adjustment is required, use NaOH and/or H ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:	Were correctAir Samples	t containers used for Cassettes / Tub	or the	tests in	dicated?	YES	NO
12 NaOH 2 HNO ₃ 2 H ₂ SO ₄ Residual Chlorine (+/-) for TCN & Phenol 5-9** P/PCBs (608 only) (ES = 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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:			YES	NO	Sample I.D.	Reagent	Vol. Added
2 HNO ₃ 2 H ₂ SO ₄ Residual Chlorine (+/-) for TCN & Phenol 5-9** P/PCBs (608 only) /ES = 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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:	рН	Reagent					
2 H ₂ SO ₄ Residual Chlorine (+/-) for TCN & Phenol 5-9** P/PCBs (608 only) TES = 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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:	12	NaOH					
Residual Chlorine (+/-) for TCN & Phenol 5-9** P/PCBs (608 only) ES = 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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:	2	HNO ₃					
5-9** P/PCBs (608 only) ES = 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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:	2	H ₂ SO ₄					
ES = 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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:	Residual Chlorine (+/-)	for TCN & Phenol					
*If pH adjustment is required, use NaOH and/or H ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:		P/PCPs (608 only)					
VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:	5-9**	171 CDS (OOG OILLY)					
	YES = All samples OK	NO = Sam			ved at lab as listed	PC OK to adju	st pH
	YES = All samples OK **If pH adjustment is req VO	NO = Sam juired, use NaOH and/or OC Vial pH Verification Tested after Analysis) Following Samples	r H ₂ SO ₄				st pH

\ROCHESTER1\GROUP\SMODOCS\Cooler Receipt v 2.doc



A FULL SERVICE ENVIRONMENTAL LABORATORY

November 8, 2005

DEGEOVED NOV 1 4 2005

URS

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 Perry

Laboratory Director

Enc.



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

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.



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2528326

Lab ID 850945

Client ID 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.







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

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/18/05			
ANALYTICAL DILUTION: 1.0	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
	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE			
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		
*-BROMOFLUOROBENZENE	(80 - 123 %)	101	ફ
TOLUENE-D8	(88 - 124 %)	95	ક
DIBROMOFLUOROMETHANE .	(91 - 115 %)	98	ક
			1

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 857406	ANALYT	122544		
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS	
PATE 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 70 - 130	
1,1,1-TRICHLOROETHANE	20.0	87	70 - 130	
1,1,2-TRICHLOROETHANE	20.0	100	70 - 130	
TRICHLOROETHENE	20.0	85 95	70 - 130	
VINYL CHLORIDE	20.0	85	70 - 130	
O-XYLENE	20.0	82	70 - 130	
M+P-XYLENE	40.0	02	10 - 130	

COLUMBIA ANALYTICAL WICES

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

Project Reference: Client Sample ID : METHOD BLANK

DATE ANALYZED : 10/18/05 ANALYTICAL DILUTION: 1.00 ACETONE	atrix: V	
ANALYTICAL DILUTION: 1.00 ACETONE	SULT	UNITS
ACETONE BENZENE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOFORM BROMOFHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROETHANE CHLOROETHANE CHLOROETHANE CHLOROMETHANE CHLOROMETHANE CHLOROMETHANE CHLOROETHANE CIS-1,2-DICHLOROETHANE CIS-1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE CIS-1,3-DICHLOROETHENE CIS-1,3-DICHLOROPROPENE CIS-1,3-DICHLOROPROPENE CIS-1,3-DICHLOROPROPENE CIS-1,3-DICHLOROETHENE CIS-1,3-DICHLOROETHENE CIS-1,3-DICHLOROPROPENE CIS-1,3-DICHLOROETHENE CIS-1,3-DICHLOROPROPENE CIS-1,3-DIC		
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BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOFORM BROMOMETHANE 2-BUTTANONE (MEK) 2-BUTTANONE (MEK) 10 11 CARBON DISULFIDE 10 CARBON TETRACHLORIDE CHLOROBENZENE CHLOROSTHANE CHLOROFTHANE CHLOROFTHANE CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE 5.0 5.1 1,1-DICHLOROETHENE 5.0 5.1 1,2-DICHLOROETHENE 5.0 5.1 1,2-DICHLOROPROPENE 5.0 5.1 1,2-TETRACHLOROETHANE 5.0 5.1 1,1-TRICHLOROETHANE 5.0 5.1 1,1,2-TETRACHLOROETHANE 5.0 5.1 1,1,1-TRICHLOROETHANE 5.0 5.1 1,1,1-TRICHLOROETHANE 5.0 5.1 1,1,2-TETRACHLOROETHANE 5.0 5.1 1,1,2-TETRACHLOROETHANE 5.0 5.1 1,1,2-TETRACHLOROETHANE 5.0 5.1 1,1,1-TRICHLOROETHANE 5.0 5.1 1,1,2-TETRACHLOROETHANE 5.0 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1	U 0	UG/L
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BROMOFORM BROMOMETHANE BROMOMETHANE BROMOMETHANE BROMOMETHANE S.0	0 U	UG/L
BROMOMETHANE 5.0 5.0 2-BUTANONE (MEK) 10 10 10 10 10 10 10 1	0 U	UG/L
2-BUTANONE (MEK)	0 U	UG/L
CARBON DISULFIDE 10 1. CARBON TETRACHLORIDE 5.0 5.0 CHLOROBENZENE 5.0 5.0 CHLOROFORM 5.0 5.0 CHLOROFORM 5.0 5.0 CHLOROMETHANE 5.0 5.0 CHLOROMETHANE 5.0 5.0 DIBROMOCHLOROMETHANE 5.0 5.0 1,1-DICHLOROETHANE 5.0 5.0 1,2-DICHLOROETHANE 5.0 5.0 1,1-DICHLOROETHANE 5.0 5.0 1,2-DICHLOROETHENE 5.0 5.0 TRANS-1,2-DICHLOROETHENE 5.0 5.0 1,2-DICHLOROPROPANE 5.0 5.0 CIS-1,3-DICHLOROPROPENE 5.0 5.0 TRANS-1,3-DICHLOROPROPENE 5.0 5.0 TRANS-1,3-DICHLOROPROPENE 5.0 5.0 ETHYLBENZENE 5.0 5.0 METHYLENE CHLORIDE 5.0 5.0 METHYLENE CHLORIDE 5.0 5.0 TYRENE 5.0 5.0 TYRENE 5.0 5.0 TITRACHLOROETHENE 5.0 5.0 TITRACHLOROETHENE 5.0 5.0 TITRACHLOROETHENE 5.0 5.0 TOLUENE 5.0 5.0 TRICHLOROETHENE	.0 U	UG/L
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CHLOROFORM CHLOROMETHANE CHLOROMETHANE CHLOROMETHANE CIS-1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE CIS-1,3-DICHLOROETHENE CIS-1,3-DICHLOROPROPENE CIS-1,3-DICHLOROETHANE CIS-1,3-DICHLOROFTHANE CIS-1,1-TICHLOROFTHANE CIS-1,3-DICHLOROFTHANE CIS-1,3-DICH	0 U	UG/L
CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,3-DICHLOROPROPENE TOULENE 10 10 11 12 14 15 15 17 17 18 18 18 18 18 18 18 18	0 U	UG/L
DIBROMOCHLOROMETHANE 5.0 5.1 1,1-DICHLOROETHANE 5.0 5.1 1,2-DICHLOROETHANE 5.0 5.1 1,1-DICHLOROETHENE 5.0 5.1 1,1-DICHLOROETHENE 5.0 5.1 TRANS-1,2-DICHLOROETHENE 5.0 5.1 1,2-DICHLOROPROPANE 5.0 5.1 TRANS-1,3-DICHLOROPROPENE 5.0 5.1 TRANS-1,3-DICHLOROPROPENE 5.0 5.1 ETHYLBENZENE 5.0 5.2 2-HEXANONE 10 10 1.1 METHYLENE CHLORIDE 5.0 5.1 1,1,2,2-TETRACHLOROETHANE 5.0 5.1 TETRACHLOROETHANE 5.0 5.1 TOLUENE 5.0 5.1 TRICHLOROETHANE 5.0 5.1 TRICHLOROETHANE 5.0 5.1 TRICHLOROETHANE 5.0 5.1 SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10		UG/L
1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 5.0 5.1 1,1-DICHLOROETHENE 5.0 5.1 1,1-DICHLOROETHENE 5.0 5.1 TRANS-1,2-DICHLOROETHENE 5.0 5.1 TRANS-1,2-DICHLOROETHENE 5.0 5.1 1,2-DICHLOROPROPANE 5.0 5.1 TRANS-1,3-DICHLOROPROPENE 5.0 TRANS-1,3-DICHLOROPROPENE 5.0 5.1 TRANS-1,3-DICHLOROPROPENE 5.0 TRANS-1,3-DICHLOROPROPENE 5.0 5.1 ETHYLBENZENE 5.0 5.1 ETHYLENE CHLORIDE 5.0 5.1 4-METHYL-2-PENTANONE (MIBK) 5.0 5.1 1,1,2,2-TETRACHLOROETHANE 5.0 5.1 TETRACHLOROETHENE 5.0 5.1 TOLUENE 5.0 5.1 TRICHLOROETHANE 5.0 5.1 TRICHLOROETHENE 5.0 5.1 SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 TOLUENE-D8 (88 - 124 %)		UG/L
1,2-DICHLOROETHANE 5.0 5.1 1,1-DICHLOROETHENE 5.0 5.1 CIS-1,2-DICHLOROETHENE 5.0 5.1 TRANS-1,2-DICHLOROETHENE 5.0 5.1 1,2-DICHLOROPROPANE 5.0 5.1 1,2-DICHLOROPROPENE 5.0 5.1 TRANS-1,3-DICHLOROPROPENE 5.0 5.1 TRANS-1,3-DICHLOROPROPENE 5.0 5.1 TRANS-1,3-DICHLOROPROPENE 5.0 5.1 ETHYLBENZENE 5.0 5.1 2-HEXANONE 10 1 METHYLENE CHLORIDE 5.0 5.1 4-METHYL-2-PENTANONE (MIBK) 10 1.1 STYRENE 5.0 5.1 1,1,2-TETRACHLOROETHANE 5.0 5.1 1,1,2-TETRACHLOROETHANE 5.0 5.1 1,1,1-TRICHLOROETHANE 5.0 5.1 1,1,2-TRICHLOROETHANE 5.0 5.1 1,1,2-TRICHLOROETHANE 5.0 5.1 1,1,2-TRICHLOROETHANE 5.0 5.1 TRICHLOROETHENE 5.0 5.1 UNYL CHLORIDE 5.0 5.1 SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10		
1,1-DICHLOROETHENE		UG/L
CIS-1,2-DICHLOROETHENE 5.0 5.1 TRANS-1,2-DICHLOROETHENE 5.0 5.1 1,2-DICHLOROPROPANE 5.0 5.1 CIS-1,3-DICHLOROPROPENE 5.0 5.1 TRANS-1,3-DICHLOROPROPENE 5.0 5.1 ETHYLBENZENE 5.0 5.1 Z-HEXANONE 10 10 1.1 METHYLENE CHLORIDE 5.0 5.1 4-METHYL-2-PENTANONE (MIBK) 10 1.1 STYRENE 5.0 5.1 1,1,2,2-TETRACHLOROETHANE 5.0 5.1 TETRACHLOROETHENE 5.0 5.1 TOLUENE 5.0 5.1 1,1,1-TRICHLOROETHANE 5.0 5.1 1,1,2-TRICHLOROETHANE 5.0 5.1 TRICHLOROETHENE 5.0 5.1 TRICHLOROETHENE 5.0 5.1 SURNOGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 TOLUENE-D8 (88 - 124 %) 10		UG/L
TRANS-1,2-DICHLOROETHENE 5.0 5.1 1,2-DICHLOROPROPANE 5.0 5.1 CIS-1,3-DICHLOROPROPENE 5.0 5.1 TRANS-1,3-DICHLOROPROPENE 5.0 5.1 ETHYLBENZENE 5.0 5.1 2-HEXANONE 10 1.1 METHYLENE CHLORIDE 5.0 5.1 4-METHYL-2-PENTANONE (MIBK) 10 1.1 STYRENE 5.0 5.1 1,1,2,2-TETRACHLOROETHANE 5.0 5.1 TETRACHLOROETHENE 5.0 5.1 TITRACHLOROETHENE 5.0 5.1 1,1,1-TRICHLOROETHANE 5.0 5.1 1,1,2-TRICHLOROETHANE 5.0 5.1 TRICHLOROETHENE 5.0 5.1 TRICHLOROETHENE 5.0 5.1 SURYL CHLORIDE 5.0 5.1 SURYL CHLORIDE 5.0 5.1 SURYL CHLORIDE 5.0 5.1 SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10		UG/L
1,2-DICHLOROPROPANE 5.0 5.0 CIS-1,3-DICHLOROPROPENE 5.0 5.0 TRANS-1,3-DICHLOROPROPENE 5.0 5.0 ETHYLBENZENE 5.0 5.0 2-HEXANONE 10 1 METHYLENE CHLORIDE 5.0 5.0 4-METHYL-2-PENTANONE (MIBK) 10 1.0 STYRENE 5.0 5.1,1,2,2-TETRACHLOROETHANE 5.0 5.1,1,1-TRICHLOROETHANE 5.0 5.1,1,1-TRICHLOROETHANE 5.0 5.1,1,2-TRICHLOROETHANE 5.0 5.1,1,2-TRICHLOROETHANE 5.0 5.0 1,1,2-TRICHLOROETHANE 5.0 5.0 1,1,2-TRICHLOROETHANE 5.0 5.0 1,1,2-TRICHLOROETHANE 5.0 5.0 1,1,2-TRICHLOROETHANE 5.0 5.0 SUINYL CHLORIDE 5.0 5.0 C-XYLENE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
CIS-1,3-DICHLOROPROPENE 5.0 5. TRANS-1,3-DICHLOROPROPENE 5.0 5. ETHYLBENZENE 5.0 5. 2-HEXANONE 10 1 METHYLENE CHLORIDE 5.0 5. 4-METHYL-2-PENTANONE (MIBK) 10 1. STYRENE 5.0 5. 1,1,2,2-TETRACHLOROETHANE 5.0 5. TETRACHLOROETHENE 5.0 5. TOLUENE 5.0 5. 1,1,1-TRICHLOROETHANE 5.0 5. 1,1,2-TRICHLOROETHANE 5.0 5. TRICHLOROETHENE 5.0 5. VINYL CHLORIDE 5.0 5. SURNOGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
TRANS-1,3-DICHLOROPROPENE 5.0 5. ETHYLBENZENE 5.0 5. 2-HEXANONE 10 1 METHYLENE CHLORIDE 5.0 5. 4-METHYL-2-PENTANONE (MIBK) 10 1. STYRENE 5.0 5. 1,1,2,2-TETRACHLOROETHANE 5.0 5. TETRACHLOROETHENE 5.0 5. TOLUENE 5.0 5. 1,1,1-TRICHLOROETHANE 5.0 5. 1,1,2-TRICHLOROETHANE 5.0 5. TRICHLOROETHENE 5.0 5. VINYL CHLORIDE 5.0 5. VINYL CHLORIDE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
ETHYLBENZENE 5.0 5. 2-HEXANONE 10 1 METHYLENE CHLORIDE 5.0 5. 4-METHYL-2-PENTANONE (MIBK) 10 1. STYRENE 5.0 5. 1,1,2,2-TETRACHLOROETHANE 5.0 5. TETRACHLOROETHENE 5.0 5. TOLUENE 5.0 5. 1,1,1-TRICHLOROETHANE 5.0 5. 1,1,2-TRICHLOROETHANE 5.0 5. TRICHLOROETHENE 5.0 5. VINYL CHLORIDE 5.0 5. O-XYLENE 5.0 5. M+P-XYLENE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 TOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
ETHYLBENZENE 5.0 5.1 2-HEXANONE 10 1 METHYLENE CHLORIDE 5.0 5. 4-METHYL-2-PENTANONE (MIBK) 10 1 STYRENE 5.0 5. 1,1,2,2-TETRACHLOROETHANE 5.0 5. TETRACHLOROETHENE 5.0 5. TOLUENE 5.0 5. 1,1,1-TRICHLOROETHANE 5.0 5. 1,1,2-TRICHLOROETHANE 5.0 5. TRICHLOROETHENE 5.0 5. TRICHLOROETHENE 5.0 5. VINYL CHLORIDE 5.0 5. VINYL CHLORIDE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 TOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
METHYLENE CHLORIDE 5.0 5.4 4-METHYL-2-PENTANONE (MIBK) 10 1 STYRENE 5.0 5. 1,1,2,2-TETRACHLOROETHANE 5.0 5. TCLUENE 5.0 5. 1,1,1-TRICHLOROETHANE 5.0 5. 1,1,2-TRICHLOROETHANE 5.0 5. TRICHLOROETHENE 5.0 5. VINYL CHLORIDE 5.0 5. O-XYLENE 5.0 5. M+P-XYLENE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
METHYLENE CHLORIDE 5.0 5.4 4-METHYL-2-PENTANONE (MIBK) 10 1 STYRENE 5.0 5. 1,1,2,2-TETRACHLOROETHANE 5.0 5. TETRACHLOROETHENE 5.0 5. TOLUENE 5.0 5. 1,1,1-TRICHLOROETHANE 5.0 5. 1,1,2-TRICHLOROETHANE 5.0 5. TRICHLOROETHENE 5.0 5. VINYL CHLORIDE 5.0 5. O-XYLENE 5.0 5. M+P-XYLENE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK) 10 1 STYRENE 5.0 5. 1,1,2,2-TETRACHLOROETHANE 5.0 5. TETRACHLOROETHENE 5.0 5. TOLUENE 5.0 5. 1,1,1-TRICHLOROETHANE 5.0 5. 1,1,2-TRICHLOROETHANE 5.0 5. TRICHLOROETHENE 5.0 5. VINYL CHLORIDE 5.0 5. O-XYLENE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 TOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
STYRENE 5.0 5. 1,1,2,2-TETRACHLOROETHANE 5.0 5. TETRACHLOROETHENE 5.0 5. TOLUENE 5.0 5. 1,1,1-TRICHLOROETHANE 5.0 5. 1,1,2-TRICHLOROETHANE 5.0 5. TRICHLOROETHENE 5.0 5. VINYL CHLORIDE 5.0 5. O-XYLENE 5.0 5. M+P-XYLENE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	.O U	UG/L
1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE 0-XYLENE M+P-XYLENE SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 10 10 1,1,2-TRICHLOROETHANE 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	O U	UG/L
TETRACHLOROETHENE 5.0 5.7 TOLUENE 5.0 5.7 1,1,1-TRICHLOROETHANE 5.0 5.1 1,1,2-TRICHLOROETHANE 5.0 5.1 TRICHLOROETHENE 5.0 5.1 VINYL CHLORIDE 5.0 5.1 O-XYLENE 5.0 5.1 M+P-XYLENE 5.0 5.1 SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 TOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
TOLUENE 5.0 5.1 1,1,1-TRICHLOROETHANE 5.0 5.1 1,1,2-TRICHLOROETHANE 5.0 5.1 TRICHLOROETHENE 5.0 5.1 VINYL CHLORIDE 5.0 5.1 O-XYLENE 5.0 5.1 M+P-XYLENE 5.0 5.1 SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 TOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 5.0 5.1 TRICHLOROETHENE 5.0 VINYL CHLORIDE 5.0 0-XYLENE M+P-XYLENE 5.0 SURROGATE RECOVERIES 4-BROMOFLUOROBENZENE 70LUENE-D8 (80 - 123 %) 10	0 U	UG/L
1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE SURROGATE RECOVERIES 4-BROMOFLUOROBENZENE FOLUENE-D8 5.0 5. 5.0 5. QC LIMITS (80 - 123 %) 10	O U	UG/L
TRICHLOROETHENE 5.0 5.0 VINYL CHLORIDE 5.0 5.0 O-XYLENE 5.0 5.0 M+P-XYLENE 5.0 5.0 SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
VINYL CHLORIDE 5.0 5. O-XYLENE 5.0 5. M+P-XYLENE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
O-XYLENE 5.0 5. M+P-XYLENE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
M+P-XYLENE 5.0 5. SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	0 U	UG/L
SURROGATE RECOVERIES 4-BROMOFLUOROBENZENE FOLUENE-D8 QC LIMITS (80 - 123 %) (88 - 124 %) 10	0 U	UG/L
4-BROMOFLUOROBENZENE (80 - 123 %) 10 FOLUENE-D8 (88 - 124 %) 10	U	06/11
FOLUENE-D8 (88 - 124 %) 10		
TOLUENE-D8 (88 - 124 %) 10	7	8
	00	8
DIBROMOFLUOROMETHANE (91 - 115 %) 10	6	8

Analy. Services Inc.

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

CHAIN OF CUSTODY LABORATORY ALTSIS REQUEST FORM

CAS Contact	

SCOC-1102-08

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Project Name GLIFFIN	Project Number 13807294.00000 Report CC Aaron Sommes PRESE				ANALYSIS REQUESTED (include Method Number and Container Preservative)																
Project Manager Szuhny Company/Address	Report CC	Sommes		PRE	SERVATIV	E							K								
Company/Address URS						11	7	1	1	7		1	1	7		7	7	7	Pre 0.	NONE	e Key
634 St-Clair				INERS	/	/ /						2	/						2.	HNO3 H2SO4	
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Sampler's Signature	Sampler's Printed Nam	ie ,		NUMBI	88	20 S	10 S	200	ALS D	ALS	100 d	Sook				/				-	
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE TIME	MATRIX	_	199	58 86	S E	20	ME	ME								AL	REM TERNATE	ARKS/ DESCRIP	TION
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See QAPP					_						_		calized F					MISSION		16	
SAMPLE RECEIPT: CONDITION/CO	OLER TEMP:		USTODY SEA		/ N		DECE	IVED B	v				RELINQ			140			RECEIV	ED BV	
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	C der Rec	ceipt A		eservation Ch		
Project/Client	RS		Sı	ıbmission Nur	nber Rd-283	326.
Cooler received on	0/14/05 by: C	nK				VELOCITY_CLIENT
 Were custody Did all bottle Did any VOA Were Ice or I Where did the 	y seals on outside of papers properly f s arrive in good co A vials have significe packs present? e bottles originate of cooler(s) upon	filled of ondition icant a	ut (ink n (unbi ir bubb	oken)?	YES YES YES	NO NO NO NO NO NO OC, CLIENT
Is the temper	ature within 0° - 6	° C?:		Yes Yes	Yes	Yes Yes
If No, Expla	in Below			No No	No	No No
Date/Time T	emperatures Taker	n:		10/14/0	5 090	08
Thermometer	r ID: 161 or	IR GU	N)	Reading From	Temp Blank	or Sample Bottle
	containers used for Cassettes / Tub ancies:				surized Tedlar	® Bags Inflated N/A
		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO ₃				·	
2	H ₂ SO ₄					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					
	NO = Sarr uired, use NaOH and/o OC Vial pH Verification Tested after Analysis) Following Samples Exhibited pH > 2	r H ₂ SO ₄	re preser	Other Co		ust pH
			-			



A FULL SERVICE ENVIRONMENTAL LABORATORY

December 9, 2005

URS

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 Perry

Laboratory Directo

Enc.



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

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.



CASE NARRATIVE

This report contains analytical results for the following samples: Submission #: R2528851

Lab ID 860768

Client ID

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.







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: 12/09/05

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

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	86	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
D-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L
THE ALLES	3.0	3.0 0	00/1
SURROGATE RECOVERIES	QC LIMITS		
· · · · · · · · · · · · · · · · · · ·	30 - 123 %)	95	ક
	38 - 124 %)	101	8
DIBROMOFLUOROMETHANE . (9	91 - 115 %)	102	. 8

DLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

ANALYTICAL RUN # : 123829 REFERENCE ORDER #: 865928

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 11/29/05			
NALYTICAL 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
HLOROMETHANE	20.0	85	70 - 130
DIBROMOCHLOROMETHANE	20.0	100	70 - 130
	20.0	90	70 - 130
1,1-DICHLOROETHANE	20.0	98	70 - 130
1,2-DICHLOROETHANE	20.0	108	70 - 130
1,1-DICHLOROETHENE	20.0	94	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	93	70 - 130
TRANS-1,2-DICHLOROETHENE		95	70 - 130
1,2-DICHLOROPROPANE	20.0		
CIS-1,3-DICHLOROPROPENE	20.0	98	
TRANS-1,3-DICHLOROPROPENE	20.0	92	
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 5

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

Project Reference: Client Sample ID : METHOD BLANK

Date Sampled : Date Received:	Order Submission	#: 865927 #:	Sample Matrix Analytical Run	
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED	: 11/30/05			
ANALYTICAL DILUTIO	N: 1.00			
ACETONE		20	20 U	UG/L
BENZENE		5.0	5.0 U	UG/L
BROMODICHLOROMETHAN	Œ	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 TETRACHLORID	E	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
DIBROMOCHLOROMETHAN	F	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-DICHLOROETH	ENE	5.0	5.0 U	UG/L
		5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROE		5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE		5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPRO			5.0 U	UG/L
TRANS-1,3-DICHLOROP	ROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE		5.0		UG/L
2-HEXANONE		10	10 U	
METHYLENE CHLORIDE	T (MTDW)	5.0	5.0 U 10 U	UG/L
4-METHYL-2-PENTANON	E (MIBK)	10		UG/L
STYRENE		5.0	5.0 U	UG/L
1,1,2,2-TETRACHLORO	ETHANE	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-TRICHLOROETHA		5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHA	NE	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 RECOVERI	ES QC	LIMITS		
4-BROMOFLUOROBENZEN	E (80	- 123 %)	102	8
OLUENE-D8	(88	- 124 %)	105	8
DIBROMOFLUOROMETHAN		- 115 %)	99	8
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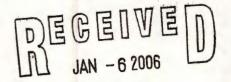
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One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695	-7222 x11 • FAX (585) 288-8475 PAGE OF	CAS Contact
Project Number 138072911 - 00/2013	ANALYSIS REQUESTED (include Method Number and	Container Preservative)

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Sampler Signature	Sampler's Printed Name				NCM	188	20 SNS	7101	2000	ALS	ALS,	8/6	16			/ / /							
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	DATE	PLING TIME	MATRIX		199	હું _{છે} હું	2 E	2 2 2	ME	ME	14	5/			/	/		ALT	REMAR ERNATE DE	RKS/ ESCRIPTION		
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SPECIAL INSTRUCTIONS/COMMENTS Metals	Administrative and an extension of the second secon							H (SURC	CHARGES	S APPLY)			_ I. Resu	its Only	4	EMEN"			INVC	ICE INFOR	RMATION		
						-		NDARD *		5 d	lay	-	_ II. Resu	ults + QC DUP, MS	C Summ	refor	trac	# PO	#				
•						R	EQUESTED		TEX L	rtae	t	II. Results + QC Summaries (LCS, DUP, MS/MSD at results) III. Results + QC and Calibration Summaries											
See QAPP						R	EQUESTED	REPORT				_				ort with Custom	Raw Da Report	ta .	Ri	5288	25/		
SAMPLE RECEIPT: CONDITION/COO	DLER TEMP: 110C		CU	STODY SEA	ALS: \	/ N						1	Edata	_	_ Yes		No	SU	BMISSION				
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Signature Christ	Signature ////////////////////////////////////	mys	gnature			S	ignature					Signa	iture					Sig	nature				
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11/17/05 (35)	CAS	Fi	rm				irm					Firm						Fire	n				
~	Date/Time[]-17-05 \$\$.		ate/Time			D	ate/Time					Date/	Time					Dat	te/Time	**			
Distribution: White - Return to Originator; Yellow	v - Lab Copy; Pink - Retained by C	ient																			SCOC-110		

Were custody seals on outside of cooler? Y	· · · · · · · · · · · · · · · · ·
Cooler received on 11-17-05 by: COURIER: CAS UPS FEI 1. Were custody seals on outside of cooler? YI	
The custody sould off oddside of occite.	DEX VELOCITY CLIENT
3. Did all bottles arrive in good condition (unbroken)? 4. Did any VOA vials have significant air bubbles? YOU YOU YOU YOU YOU YOU YOU YO	ES NO ES NO ES NO ES NO ES NO AS/ROC, CLIENT
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: 1-17-05@ 8138	
Thermometer ID: 161 or IR GUN Reading From: Temp Blan	ak or Sample Bottle
fout of Temperature Client Approval to Run Samples 4hr ful	
out of Temperature, Client Approval to Run Samples 4/14 Full	
	mic
Cooler Breakdown: Date:by:by:	S NO
. Well all bottle labels complete (i.e. analysis, proses	
2. Did all bottle labels and ags agree what eaches, page	
y cle collect containers ason for the tests misseaner.	edlar® Bags Inflated N/A
Explain any discrepancies:	
YES NO Sample I.D. Reagent	t Vol. Added
pH Reagent	
12 NaOH	
2 HNO ₃	
2 H ₂ SO 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
/ES = All samples OK NO = Samples were preserved at lab as listed PC OK *If pH adjustment is required, use NaOH and/or H ₂ SO ₄ .	to adjust pH
/ES = All samples OK NO = Samples were preserved at lab as listed PC OK *If pH adjustment is required, use NaOH and/or H ₂ SO ₄ . VOC Vial pH Verification Other Comments:	to adjust pH
VES = All samples OK NO = Samples were preserved at lab as listed PC OK **If pH adjustment is required, use NaOH and/or H ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Other Comments:	to adjust pH
YES = All samples OK NO = Samples were preserved at lab as listed PC OK **If pH adjustment is required, use NaOH and/or H ₂ SO ₄ VOC Vial pH Verification Other Comments:	to adjust pH
VES = All samples OK NO = Samples were preserved at lab as listed PC OK **If pH adjustment is required, use NaOH and/or H ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples	to adjust pH
VES = All samples OK NO = Samples were preserved at lab as listed PC OK *If pH adjustment is required, use NaOH and/or H ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples	to adjust pH
VCES = All samples OK NO = Samples were preserved at lab as listed PC OK *If pH adjustment is required, use NaOH and/or H ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples	to adjust pH
VOC Vial pH Verification (Tested after Analysis) Following Samples NO = Samples were preserved at lab as listed PC OK PC OK PC OK Other Comments:	to adjust pH

\ROCHESTER1\GROUP\SMODOCS\Cooler Receipt v 2.doc





URS

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 Perry

Laboratory Director

Enc.



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 _______ 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.



CASE NARRATIVE

This report contains analytical results for the following samples: Submission #: R2529241

Lab ID

867381

Client ID

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.







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

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
	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
,1-DICHLOROETHANE	5.0	5.0 U	UG/L
,2-DICHLOROETHANE	5.0	5.0 U	UG/L
,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
RANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
,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 U	UG/L
ETHYLBENZENE	5.0		UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	
-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
COLUENE	5.0	5.0 U	UG/L
,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
INYL 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		
I-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

EFERENCE ORDER #: 868210	ANALYT	ICAL RUN # :	124210		
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS		
PATE ANALYZED : 12/15/05					
NALYTICAL 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		
HLOROMETHANE	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 **?VICES**

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

Sample Matrix: WATER

Project Reference:

METHYLENE CHLORIDE

TETRACHLOROETHENE

TRICHLOROETHENE

1,1,1-TRICHLOROETHANE

1,1,2-TRICHLOROETHANE

STYRENE

TOLUENE

4-METHYL-2-PENTANONE (MIBK)

1,1,2,2-TETRACHLOROETHANE

Client Sample ID : METHOD BLANK

Date Sampled: Analytical Run 124210 Submission #: Date Received: UNITS POL RESULT ANALYTE : 12/15/05 DATE ANALYZED 1.00 ANALYTICAL DILUTION: 20 U UG/L 20 ACETONE 5.0 U UG/L 5.0 BENZENE 5.0 5.0 U UG/L BROMODICHLOROMETHANE UG/L 5.0 U 5.0 BROMOFORM UG/L 5.0 U 5.0 BROMOMETHANE 10 U UG/L 10 2-BUTANONE (MEK) UG/L 10 U 10 CARBON DISULFIDE UG/L 5.0 5.0 U CARBON TETRACHLORIDE UG/L 5.0 U 5.0 CHLOROBENZENE UG/L 5.0 U 5.0 CHLOROETHANE UG/L 5.0 5.0 U CHLOROFORM 5.0 U UG/L 5.0 CHLOROMETHANE 5.0 U UG/L 5.0 DIBROMOCHLOROMETHANE UG/L 5.0 U 5.0 1,1-DICHLOROETHANE 5.0 U UG/L 5.0 1,2-DICHLOROETHANE UG/L 5.0 U 5.0 1,1-DICHLOROETHENE UG/L 5.0 5.0 U CIS-1, 2-DICHLOROETHENE 5.0 5.0 U UG/L TRANS-1, 2-DICHLOROETHENE UG/L 5.0 U 5.0 1,2-DICHLOROPROPANE 5.0 5.0 U UG/L CIS-1,3-DICHLOROPROPENE UG/L 5.0 U 5.0 TRANS-1,3-DICHLOROPROPENE 5.0 U UG/L 5.0 ETHYLBENZENE 10 U UG/L 10 2-HEXANONE

Order #: 868209

VINYL CHLORIDE O-XYLENE M+P-XYLENE	5.0 5.0 5.0	5.0 U 5.0 U 5.0 U	UG/L UG/L
SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE FOLUENE-D8 DIBROMOFLUOROMETHANE	(80 - 123 %) (88 - 124 %) (91 - 115 %)	103 98 99	06 06 06

UG/L

UG/L

UG/L

UG/L

UG/L

UG/L

UG/L

UG/L

UG/L

5.0 U

10 U

5.0

5.0

5.0

5.0

5.0

5.0

5.0

5.0

10

CHAIN OF COSTODY/LABORATORY ALTSIS REQUEST FORM

/ OF	CAS Contact	

An Employee - Owned Company Www.casleb.com One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE

Project Name GRIFFIN	Project Number 73807294.00000 Report CC ARRY STULLY Hands					ANALYSIS REQUESTED (Include Method Number and Container Preservative)															
Project Manager AKEN SAULAY Company/Address URS	Report CC	Simm	es		PRE	SERVATIV	Έ							XV							
Company/Address		-					1	1	1	1	1	7	1	1	7	./	/	/	1	Preservative Key 0. NONE	,
	41113				ERS	,	/ /			/	/	_/	_/			/	/			1. HCL 2. HNO ₃ 3. H ₂ SO ₄	
Clercland OH	11110				CONTAIN	/	200	25/2/16	0	Cip	Polo	是是	8	/ ,				/	//	Preservative Key 0. NONE 1. HCL 2. HNO3 3. H ₂ SO4 4. NãOH 5. Zn. Acetate 6. MeOH 7. NAUSC	
Phone # 214 le 22 2400	216622 2469				NUMBER OF CONTAINERS	GCANS VOA'S	18.5% 18.5%	7601/6	2500	1,608	A SELECT	ment /	0	/		. /	//	/		 NaHSO₄ Other 	
Sarripler's Signature	Sampler's Printed Name				NOW	SWS	SON	12 Z	3,00	ALS	17 CO	8	۲/	/ .		. /	. /	/	/		- '
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	DATE DATE	LING TIME	MATRIX		199	36	9 4	000	ME	ME								ALT	REMARKS/ ERNATE DESCRIPTION	
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SPECIAL INSTRUCTIONS/COMMENTS Metals						-		H (SURC	HARGES	S APPLY)		_ I. Resu		T	3			INVO	DICE INFORMATION	
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						RE	QUESTED	FAX DAT	ench	aut	_	-		ults + Q0					L TÓ:		
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See QAPP	200	1/ 1	1.			_						-		calized F				CUE	BMISSION #	2529241	
SAMPLE RECEIPT: CONDITION/COOL		up n		STODY SEA	-	N						<u>_</u>					No	308	MISSION F	Б.	
BELINOVISHED BY.	RECEIVED BY	,	RE	LINQUISHED	BY			RECE	IVED B	1			F	RELINQ	UISHE	D BY				RECEIVED BY	
Jenunviss	Signature Signature Signature						nature					Signa						Sign	nature		
	med largery O. Emeri	an Pri	nted Name	••••			nted Name						d Name						ted Name		
12 14/03 8:33	CAD		te/Time			Fir	m te/Time					Firm Date/	Time					Firm			
Distribution: White - Return to Originator; Yellow	19-14-02	5)								:		Daid/						Date	e/Time	SCOC-110	02-08

Coar Receipt And Preservation Check Form ____Submission Number Kd - 2924) Project/Client___ Cooler received on 12-14-05 by: COURIER: CAS UPS FEDEX VELOCITY CLIENT NO YES Were custody seals on outside of cooler? 1. Were custody papers properly filled out (ink, signed, etc.)? NO YES 2. YES NO Did all bottles arrive in good condition (unbroken)? 3. NO) N/A YES Did any VOA vials have significant air bubbles? 4. NO YES Were Ice or Ice packs present? 5. CAS/ROC, CLIENT Where did the bottles originate? 6. Temperature of cooler(s) upon receipt: 7. Yes Yes Yes Yes Is the temperature within 0° - 6° C?: No No No No If No, Explain Below Date/Time Temperatures Taken: Sample Bottle 161 or IR GUN Reading From: Temp Blank Thermometer ID: If out of Temperature, Client Approval to Run Samples PC Secondary Review: MYP 12/14/05 Cooler Breakdown: Date: Were all bottle labels complete (i.e. analysis, preservation, etc.)? NO YES 1. NO Did all bottle labels and tags agree with custody papers? 2. NO Were correct containers used for the tests indicated? 3. Tedlar® Bags Inflated Canisters Pressurized Air Samples: Cassettes / Tubes Intact 4. Explain any discrepancies: Vol. Added Reagent Sample I.D. YES NO Reagent pH NaOH 12 HNO, 2 H2SO4 2 for TCN & Phenol Residual Chlorine (+/-) P/PCBs (608 only) 5-9** NO = Samples were preserved at lab as listed PC OK to adjust pH YES = All samples OK **If pH adjustment is required, use NaOH and/or H2SO4 Other Comments: VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2

PC Secondary Review:

\ROCHESTER I\GROUP\SMODOCS\Cooler Receipt v 2.doc





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 Perry

Laboratory Director

Enc.



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

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.

1



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2629850

Lab ID 875094

Client ID

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.







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: 01/20/06

URS Corporation
Project Reference: GRIFFEN
Client Sample ID : EFF011606

Date Sampled: 01/16/06 08:45 Ord Date Received: 01/16/06 Submissi	er #: 875094 on #: R2629850	Sample Matrix: WATER 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			
OIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L			
	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 U	UG/L			
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L			
ETHYLBENZENE	5.0		UG/L			
2-HEXANONE	10	10 U				
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	C LIMITS					
4-BROMOFLUOROBENZENE (8		94	8			
	8 - 124 %)	102	8			
DIBROMOFLUOROMETHANE (9	1 - 115 %).	95	8 4			

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 875963	ANALYT	ICAL RUN # :	125454
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 01/18/06			
ANALYTICAL DILUTION: 1.0			
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
THLOROFORM	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 : VICES

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

Project Reference:

Client Sample ID : METHOD BLANK

Date Sampled : Date Received: Subm	Order #: 875962 ission #:	Sample Matrix: Analytical Run	
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/18/0	6		
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
	5.0	5.0 U	UG/L
CHLOROETHANE		5.0 U	UG/L
CHLOROFORM	5.0		
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
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
retrachloroethene	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
	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE			
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	%
roluene-d8	(88 - 124 %)	104	ક
DIBROMOFLUOROMETHANE	(91 - 115 %)	95	8
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C.	
Analya. Services INC.	
Services ""	0

CHAIN OF CUSTODITLABORATORY T ALTOIS REQUEST FORM

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1	
OF '	CAS Contact

Services No.	One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475	PAGE	OF	CAS Contact
	One Mustard St., Suite 250 • Hochester, NY 14009-0659 • (565) 260-5500 • 600-655-7222 XYY • FAX (565) 260-675	TAGE		
www.casiab.com				

Project Name	Project Number 1-280-7-2910, 00000						ANALYSIS REQUESTED (Include Method Number and Container Preservative)																
OKYFIN Project Manager Lerry SZN HAY Company/Address	Project Number 13807296.0000 Regort CC Haron Smmel				PRE	SERVA	TIVE	T							¥								
Company/Address	Harons	mme	1				1	+	-	-	-	1	-	1	-	-	1	/		1	Pres	ervative K	өу
wes					SE				/	/		/			/		/	/	/		1. F	ICL INO ₃	
634 St. Clair					AINE		/	/ 0		/	/	/ ;	DO S	×				/			3. H	ervative K NONE ICL INO3 I2SO4 NaOH In. Acetate	
Cleveland OH 4113					CONTAINERS	,	707	700	2017	610	70/2	Spel	Sperie	/	/ /	//			/	//	O. IV	n. Acetate //eOH /aHSO4	•
Phone #	FAX# 211 10 73	2464	1		NUMBER OF	/	15 Kg	155.55 155.55	301/6	28	80	Z E E	III BUIL	40%	/	/	/	/				Other	_
Sample's Signature Sample's Signature Series Signature Series Signature Series Signature Series Signature Series Signature					UMBE	8	SSE	10 A.	000	9	10/57	150	8	7	/	//	/	/			-		_
gran	FOR OFFICE USE ONLY	SAME	PLING	1		SON	800	25	EST	Jeneral Des John	808 FTA	AETA	de	/	/	/-	/			/	REMA	RKS/	
CLIENT/SAMPLE ID	LAB ID	DATE	TIME	MATRIX	3	100	100	00	140	140	120	72	1		_		\leftarrow	_	\leftarrow	AL	TERNATE D	ESCRIPTIC	N
EFFOILOUE		1/14/06	845	W	5								X			_							
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SPECIAL INSTRUCTIONS/COMMENTS Metals							TU			REQUI HARGE					ORT R				17	INV	OICE INFO	RMATION	
Motaro							2	24 hr		8 hr .		day			ults + Q	110	-	on	PO	#			_
								STAN	DARD	D				(LCS,	DUP, MS	MSD a	s requir	ed)		L TO:			
							REQUE	STED F	AX DAT	in	r has	+	-	_ III. Res	sults + C aries	C and C	Calibratio	on	DIL	L 10.			
								TOTED I		-	Y			_ IV. Dat	a Valida	tion Rep	ort with	Raw Da					
							REGUE	STEDI	REPORT	DAIE				_ V. Spe	icalized	Forms /	Custom	Report		RZE	298	50	
See GAPP SAMPLE RECEIPT: CONDITION/COC	DIERTEMP 17°C -		CI	ISTODY SEA	ALS: Y	v N							1	Edata	1	Yes	_	No	SU	BMISSION	1 #:		
RELINQUISHED BY	RECEIVED BY			ELINQUISHED				75.5	RECE	IVED B	Y				RELING	UISHE	D BY				RECEIVE	D BY	
Standure	Signature /) A	S	ignature				Signatu	ire					Sign	ature			-		Sig	nature			
Printed Name	Printed Name	a D P	Drinted Nama				Printed Name				Printed Name					Prir	Printed Name						
First of 910	Firm CAS		irm	-			Firm						Firm					-	Fire	Firm			
111111111111111111111111111111111111111	Date/Time to Ob O9/6	0	ate/Time				Date/Time				Date/Time						Dat	Date/Time					
Distribution: White - Return to Originator; Yellon							_															SCOC	-1102-0

Submission Number R2-29850 ooler received on 1666 by: COURIER: CAS UPS FEDEX VELO Were custody seals on outside of cooler? Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant air bubbles? Were Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt: Is the temperature within 0° - 6° C?: Yes Yes Yes Yes	N/A
Were custody seals on outside of cooler? Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant air bubbles? Were lce or lce packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt:	N/A
Were custody seals on outside of cooler? Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant air bubbles? Were Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt: YES NO YES NO YES NO YES NO YES NO YES NO CAS/ROC, O	N/A
Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant air bubbles? Were Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt:	N/A
Were custody papers properly filled out (ink, signed, etc.)? Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant air bubbles? Were Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt:	N/A
Did all bottles arrive in good condition (unbroken)? Did any VOA vials have significant air bubbles? Were Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt:	N/A
Did any VOA vials have significant air bubbles? Were Ice or Ice packs present? Where did the bottles originate? Temperature of cooler(s) upon receipt:	
Where did the bottles originate? Temperature of cooler(s) upon receipt:	
Temperature of cooler(s) upon receipt:	LILIVI
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: 1110 06 CMK 4/2 Rule	0910
	Sample Bottle
f out of Temperature, Client Approval to Run Samples	
C Secondary Review: 1/16/06	٠.
Cooler Breakdown: Date: 1/11/2/06 by: Cloc	
were all bottle labels complete (i.e. analysis, preser tarten,	
Did all bottle labels and tags agree with eastedy papers.	
well collect containers used for the tests indicates.	
Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags	s illiated
Explain any discrepancies:	
YES NO Sample I.D. Reagent	Vol. Added
pH Reagent	
12 NaOH	
2 HNO ₃	
2 450	
2 H ₂ SO ₄	
Residual Chlorine (+/-) for TCN & Phenol	
Residual Chlorine (+/-) for TCN & Phenol 5-9** P/PCBs (608 only)	
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_	
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 ₂ SO 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 ₂ SO ₄ VOC Vial pH Verification Other Comments:	
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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:	**
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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Other Comments:	*,
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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples	**
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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples	*.
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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples	**
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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Other Comments:	÷.



A FULL SERVICE ENVIRONMENTAL LABORATORY

March 1, 2006

DEGEOVED MAK - 6 2006

URS

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 Perry

Laboratory Director

Enc.



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 ____ 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.



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2630350

Lab ID 882815

Client ID 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.







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

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 Date Received: 02/15/06 Submission #: R2630350 Sample Matrix: WATER 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-DICHLOROETHANE	5.0	5.0 U	UG/L
,2-DICHLOROETHANE	5.0	5.0 U	UG/L
,1-DICHLOROETHENE	5.0	5.0 U	UG/L
IS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
RANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
RANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
THYLBENZENE	5.0	5.0 U	UG/L
-HEXANONE	10	10 U	UG/L
ETHYLENE CHLORIDE	5.0	5.0 U	UG/L
-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
TYRENE	5.0	5.0 U	UG/L
,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
ETRACHLOROETHENE	5.0	5.0 U	UG/L
OLUENE	5.0	5.0 U	UG/L
,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
RICHLOROETHENE	5.0	65	UG/L
INYL CHLORIDE	5.0	5.0 U	UG/L
-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE (8	80 - 123 %)	100	ક
	88 - 124 %)	98	8
DIBROMOFLUOROMETHANE (9	91 - 115 %)	93	8

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 883809	ANALYT	ICAL RUN # :	126697
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
PATE ANALYZED : 02/21/06			
NALYTICAL 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
LHLOROMETHANE	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
	20.0	102	70 - 130
TRANS-1,3-DICHLOROPROPENE 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
MATE - VITTENE	40.0	31	70 - 130

COLUMBIA ANALYTICAL & VICES

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

Project Reference: Client Sample ID : METHOD BLANK

Date Sampl Date Recei		Orde: Submission	r #: 883808 n #:	Sample Matrix: Analytical Run	
ANALYTE			PQL	RESULT	UNITS
DATE ANAL		02/21/06			
ANALYTICA	L DILUTION:	1.00			
ACETONE			20	20 U	UG/L
BENZENE			5.0	5.0 U	UG/L
	OROMETHANE		5.0	5.0 U	UG/L
BROMOFORM			5.0	5.0 U	UG/L
BROMOMETHA	NE		5.0	5.0 U	UG/L
2 - BUTANONE			10	10 U	UG/L
CARBON DIS			10	10 U	UG/L
	RACHLORIDE		5.0	5.0 U	UG/L
CHLOROBENZ			5.0	5.0 U	UG/L
CHLOROETHA			5.0	5.0 U	UG/L
CHLOROFORM			5.0	5.0 U	UG/L
			5.0	5.0 U	UG/L
CHLOROMETH			5.0	5.0 U	UG/L
	OROMETHANE				UG/L
1,1-DICHLO			5.0	5.0 U	
L,2-DICHLO			5.0	5.0 U	UG/L
L,1-DICHLO			5.0	5.0 U	UG/L
	CHLOROETHEN		5.0	5.0 U	UG/L
	DICHLOROETH	ENE	5.0	5.0 U	UG/L
L,2-DICHLO			5.0	5.0 U	UG/L
	CHLOROPROPE		5.0	5.0 U	UG/L
rans-1,3-	DICHLOROPRO	PENE	5.0	5.0 U	UG/L
ETHYLBENZE	NE		5.0	5.0 U	UG/L
-HEXANONE			10	10 U	UG/L
METHYLENE	CHLORIDE		5.0	5.0 U	UG/L
-METHYL-2	-PENTANONE	(MIBK)	10	10 U	UG/L
STYRENE			5.0	5.0 U	UG/L
	TRACHLOROET	HANE	5.0	5.0 U	UG/L
TETRACHLOR			5.0	5.0 U	UG/L
COLUENE			5.0	5.0 U	UG/L
	HLOROETHANE		5.0	5.0 U	UG/L
	HLOROETHANE		5.0	5.0 U	UG/L
TRICHLOROE			5.0	5.0 U	UG/L
VINYL CHLC			5.0	5.0 U	UG/L
O-XYLENE			5.0	5.0 U	UG/L
M+P-XYLENE	2		5.0	5.0 U	UG/L
SURROGATE	RECOVERIES	QC	LIMITS		
4-BROMOFLU	JOROBENZENE	(80	- 123 %)	102	8
FOLUENE-D8		(88)	- 124 %)	99	क
	OROMETHANE	(91	- 115 %)	95	8
	,				

Analytical Services Inc.	
An Employee - Owned Company	C

SHAINER GUSTOSTILABORATORY ALTERS REQUEST FORM SREET

		,	
E	OF		CAS Contact

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

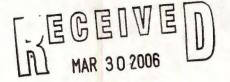
Project Name GMF+LN	Project Number	96. 000	000				,	NALYS	IS REC	QUESTE	ED (In	clude	Method	Numb	er and	l Con	alner	Prese	ervative)	
Project Manager LAMY SZUHAY	Project Number 13 80 72 Report CC AANON	SOMME	~		PRE	SERVATI	/E	4						1							
Company/Address UNS					St		1	//	1	1	1	/	/	/				1	1	Prese 0. N 1. H 2 H	orvative Key ONE CL NO2
634 St. Co	44115 Euch	io Ave,	Surt	600	CONTAINERS	GCMS VOA'S	OTO		100	076	belows	Delow	1	//	//		//	/	//	6. M	ONE CL NO3 2SO4 aOH n. Acetate
CLEVGLOOD, OH Phone # (216) 622-2400 Sampler's Signature	FAX# (216) 622	-2428			NUMBER OF C	84.5	104 84 D	1,601/60	55.00 10.00	70707	Disco	aments Sents	3/							7. N 8. O	aHSO ₄
Sampler's Signature	FOR OFFICE USE ONLY	SAMPLI	Gara	n.A.	NOME	Seo N	270 S	87/2	18 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	TALS	TALS	460	/	/ /	/ /	/	/ /	/			
CLIENT SAMPLE ID	LAB ID	DATE	TIME	MATRIX	_	189	300	20 46	100	N S	E S	00	/	_/		1	_/	1	ALTE	REMAR RNATE DE	SCRIPTION
FFF 021506 THE BLANK		2/15/06 0.	9:35	W	3						-	X	-	- 0	211	3 M	els.	6	rolæ)	
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SPECIAL INSTRUCTIONS/COMMENTS Metals						-	RUS	SH (SURC	HARGES	REMENT S APPLY)			REPOR	Only /	51			PO#	INVOI	CE INFOR	MATION
						 RI	STA		PCA				LCS, DU III. Result Summarie	+ QC ar	D as req	uired)		BILL TO	0:		
See QAPP						RI	EQUESTE	REPORT	DATE				V. Data V V. Spelcal						221	301	0
SAMPLE RECEIPT: CONDITION/COOL	ER TEMP: 8°C		CUS	TODY SEA	IS: Y	N N							Edata	Y	ıs	No		SUBMI	ISSION #:		
RELINQUISHED BY	RECEIVED BY			INQUISHED				RECE	IVED BY	(RE	INQUIS	HED BY	Y			F	RECEIVED	ВУ
Signature Signature Signature	natural VIII Ville	uu Signat	ure			Si	gnature					Signatu	re					Signatu	Jre ent		
Printed Mams Konn J. McGran Po	Sveron O. Bone	(191) Printed	Name			Pr	inted Name					Printed	Name					Printed	Name	***	
Firm CAS Fir	m JCAS	Firm				Fi	m					Firm						Firm			
Date Time 2/15/36 10:25 Da	te/Time 24506 10:	as Date/T	ime			Da	ate/Time					Date/Tir	me					Date/Ti	me		
Distribution: White - Return to Originator; Yellow -	Lab Copy: Pink - Retained by Clic	ent								* * * * * * * * * * * * * * * * * * * *											SCOC-1102

Courer Receipt And Preservation Check 1 ... m

Did all bottles arrive in good condition (uninx, spire, test). Jid all bottles arrive in good condition (uninx, spire, test). Men's Ice of Ice packs present? Wen's Ice of Ice packs present? Wen's Ice of Ice packs present? Wen's Ide the bottles originate? Temperature of cooler(s) upon receipt: Is the temperature within 0° -6° C?: Yes Yes Yes Yes Yes Yes If No, Explain Below Date/Time Temperatures Taken: Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle If out of Temperature, Client Approyal to Run Samples PC Secondary Review: Were all bottle labels complete (i.e. analysis, preservation, etc.)? Were all bottle labels and tags agree with custody papers? Were orrect containers used for the tests indicated? Air Samples: Cassettes / Tubes Intact Temperature of Cooler Bags Inflated PKES NO Sample Bottle N/A Explain any discrepancies: YES NO Sample I.D. Reagent Vol. Added PH Reagent 12 NsOH 2 HNO, 2 HNO, 2 HNO, 2 HNO, 12 HNO, 13 No Samples were preserved at lab as listed PC OK to adjust pH. **If pH adjustment is required, use NoH and/or h ₂ SO ₄ VOC Vial pH Verification (Teste after Analysis) Following Samples Exhibited pH > 2	roject/Client	IRS		Su	bmission Numb	er R2-3035	<u>o</u> , '	
Did all bottles arrive in good condition (uninx, spire, test). Jid all bottles arrive in good condition (uninx, spire, test). Men's Ice of Ice packs present? Wen's Ice of Ice packs present? Wen's Ice of Ice packs present? Wen's Ide the bottles originate? Temperature of cooler(s) upon receipt: Is the temperature within 0° -6° C?: Yes Yes Yes Yes Yes Yes If No, Explain Below Date/Time Temperatures Taken: Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle If out of Temperature, Client Approyal to Run Samples PC Secondary Review: Were all bottle labels complete (i.e. analysis, preservation, etc.)? Were all bottle labels and tags agree with custody papers? Were orrect containers used for the tests indicated? Air Samples: Cassettes / Tubes Intact Temperature of Cooler Bags Inflated PKES NO Sample Bottle N/A Explain any discrepancies: YES NO Sample I.D. Reagent Vol. Added PH Reagent 12 NsOH 2 HNO, 2 HNO, 2 HNO, 2 HNO, 12 HNO, 13 No Samples were preserved at lab as listed PC OK to adjust pH. **If pH adjustment is required, use NoH and/or h ₂ SO ₄ VOC Vial pH Verification (Teste after Analysis) Following Samples Exhibited pH > 2	Cooler received on 2	15-06 by: t	120	COUR	IER: CAS	UPS FEDEX	VELOCIT	CLIENT
If No, Explain Below Date/Time Temperatures Taken: Thermometer ID: 161 or R GUN Reading From: Temp Blank or Sample Bottle If out of Temperature, Client Approval to Run Samples PC Secondary Review: Were all bottle labels complete (i.e. analysis, preservation, etc.)? Did all bottle labels and tags agree with custody papers? Were correct containers used for the tests indicated? Air Samples: Cassettes / Tubes Intact Canisters Pressurized Explain any discrepancies: YES NO Sample I.D. Reagent 12 NsOH PH Reagent 12 NsOH 2 HiNO, 2 HiNO, 2 HiNO, 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 NsOH and/or H ₂ SO ₄ Other Comments: (Teste after Analysis) Following Samples Exhibited pH > 2	Were custody Did all bottles Did any VOA Were Ice or Ice Where did the	papers properly framive in good co vials have significe packs present? bottles originate?	illed ou ndition cant ai	ot (ink, u (unbro r bubb	oken)?	YES YES YES YES	NO NO NO	N/A
Date/Time Temperatures Taken: Thermometer ID: 161 or R GUN Reading From: Temp Blank or Sample Bottle If out of Temperature, Client Approval to Run Samples PC Secondary Review: White Labels and tags agree with custody papers? Lobid all bottle labels complete (i.e. analysis, preservation, etc.)? Did all bottle labels and tags agree with custody papers? Were correct containers used for the tests indicated? Air Samples: Cassettes / Tubes Intact Canisters Pressurized PH Reagent PH Reagent PH Reagent PH Reagent PHOD Tedlar® Bags Inflated N/A Residual Chlorine (+/-) for TCN & Phenol 5-9** P/PCBs (608 only) YES - All samples OK NO - Samples were preserved at lab as listed Other Comments: Other Comments: Other Comments:	ls the tempera	ture within 0° - 6°	° C?:	Y	'es Yes	Yes	Yes	Yes
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: Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO Did all bottle labels and tags agree with custody papers? YES NO Were correct containers used for the tests indicated? YES NO Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A Explain any discrepancies: YES NO Sample I.D. Reagent Vol. Added	lf No, Explai	n Below			No No	No In	No	No ·
Mout of Temperature, Client Approval to Run Samples Mouston Mouston	Date/Time Te	mperatures Taker	ı:	0-19	7-15-0C	o (a) 11:	3()	
Cooler Breakdown: Date:	Thermometer	1D: 161 or	ÎR GU	133	Reading From:	Temp Blank	or Sam	ple Bottle
1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? 2. Did all bottle labels and tags agree with custody papers? 3. Were correct containers used for the tests indicated? 4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A Explain any discrepancies: YES NO Sample I.D. Reagent Vol. Added	If out of Temperatu PC Secondary Review	re, Client Appro	val to	Run S	amples		4	
pH Reagent 12 NaOH 2 HNO ₃ 2 H ₃ SO 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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2	 Were correct Air Samples: 	containers used for Cassettes / Tub	or the t	ests inc	dicated? Canisters Pressu	prized Tedlar	® Bags Infl	
12 NaOH 2 HNO ₃ 2 H ₂ SO 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 ₂ SO ₄ . VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2 Other Comments:	-11	Passert	YES	NO	Sample 1.D.	Resgun		. Added
2 H ₂ SO 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 ₂ SO ₄ . VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2								
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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2 Other Comments:								
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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2								
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 ₂ SO ₄ . VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2 Other Comments:						1		
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 ₂ SO ₄ VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2 Other Comments:			mles we	Diesel	wed at lab as listed	PC OK to ad	iust pH	
(Tested after Analysis) Following Samples Exhibited pH > 2	""If pH adjustment is requ				7 CG 81 100 LD 11010G			
		Tested after Analysis) Following Samples	n		Other Con	nme nts:		
							**	
					т.	•		•
PC Secondary Review:	DC Secondary Devid	enst!						8

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URS

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 Perry

Laboratory Director

Enc.



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 ____ 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.



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.







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 JICES

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-DICHLOROETHANE	5.0	5.0 U	UG/L
·	5.0	5.0 U	UG/L
, 2-DICHLOROETHANE	5.0	5.0 U	UG/L
,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
RANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE		5.0 U	UG/L
RANS-1,3-DICHLOROPROPENE	5.0		UG/L
THYLBENZENE	5.0	5.0 U	
HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
TYRENE	5.0	5.0 U	UG/L
,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
COLUENE	5.0	5.0 U	UG/L
,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
RICHLOROETHENE	5.0	53	UG/L
INYL 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	8
TOLUENE-D8 (88	- 124 %)	97	ક
DIBROMOFLUGROMETHANE {91	- 115 %) ·	92	ક

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
	- X-		
DATE ANALYZED : 03/21/06			
ANALYTICAL DILUTION: 1.0	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
	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE			
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
retrachloroethene	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	8
DIBROMOFLUOROMETHANE	(91 115 %)	- 94	- 8

LUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS METHOD: 8260B TCL

ABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 890269	ANALYT	127771			
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS		
DATE ANALYZED : 03/21/06					
NALYTICAL DILUTION: 1.0					
A CETONE	20.0	84	50 - 150		
ACETONE BENZENE	20.0	101	70 - 130		
BROMODICHLOROMETHANE	20.0	101	70 - 130		
	20.0	89	70 - 130		
BROMOFORM	20.0	99	50 - 150		
BROMOMETHANE	20.0	86	50 - 150		
2-BUTANONE (MEK)	20.0	105	70 - 130		
CARBON DISULFIDE CARBON TETRACHLORIDE	20.0	98	70 - 130		
CHLOROBENZENE	20.0	98	70 - 130		
CHLOROBENZENE	20.0	86	70 - 130		
CHLOROFORM	20.0	90	70 - 130		
L'HLOROMETHANE	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: Date Received:	Order : Submission :	#: 890268 #:	Sample Matri Analytical R	
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED ANALYTICAL DILUTI	: 03/21/06 ON: 1.00			
ACETONE		20	20 U	UG/L
BENZENE		5.0	5.0 U	UG/L
BROMODICHLOROMETHA	NE	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 TETRACHLORI	DE ·	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
DIBROMOCHLOROMETHA	NE	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-DICHLOROET		5.0	5.0 U	UG/L
TRANS-1, 2-DICHLORO		5.0	5.0 U	UG/L
1,2-DICHLOROPROPAN		5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPRO		5.0	5.0 U	UG/L
TRANS-1,3-DICHLORO	PROPENE	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-PENTANO	NE (MIBK)	10	10 U	UG/L
STYRENE		5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOR	DETHANE	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-TRICHLOROETH		5.0	5.0 U	UG/L
1,1,2-TRICHLOROETH	ANE	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 RECOVER	IES QC LI	MITS		
4-BROMOFLUOROBENZEI	NE (80 -	123 %)	100	9
TOLUENE-D8	(88 -	124 %)	96	ક
DIBROMOFLUOROMETHAN	NE (91 -	115 %)	92	96



CHAIN OF CUSTODI/LABORATORY A ALTSIS REQUEST FORM

SR #		-
	4	
CAS Contact		

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 OF

Project Name Groffi N	Project Numbe	7296.00	000					AN	IALYSIS	REC	UEST	TED (li	nciude	Meth	od Nu	mber	and C	ontai	ner Pro	eserva	tive)			
Project Manager Szugey	Report CC	7296.00 200 Son	mar		PRE	SERVA	TIVE								1									
Project Manager Larry Szukky Company/Address UNS Confine	KIION				ERS		1	/	/	/	/	/		1	/	/			//		1	Preserva 0. NON 1. HCL 2. HNC 3. H ₂ S ² 4. NaO 5. Zn. A	ative Key E	
1375 EUCLIE CLGUGLAND, OI	4 44115				CONTAINERS		10/0	10/p	PESTICIDES 0 8081 CIDES	CLP	CLP	Spale	SPEC	MODE	/							4. NaO 5. Zn. A 6. MeO 7. NaH	H Acetate H SO4	
Phone # (216) 622- 2400 Sampler's Signatury /	FAX# (246)	622-24 ted Name J. Mc	28		NUMBER OF		18 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1625°	7601/6 DES	9	7608	THE STATE OF THE S	mment mment	9/		/	/ /	/	/ /	//		8. Othe		-
J. M.	FOR OFFICE USE O		GOVG-	T	N N	MS	SWS	0/2	S710	88.	TALS	FIALS	200	509								ELLA DIVO	,	
CLIENT SAMPLE ID	LAB ID	DATE	TIME	MATRIX	_	100	300	00	20	20	CA	E Z	100	/		_	_	_	1	1	LTERNA	EMARKS TE DESC	RIPTION	
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See QAPP							REQUE	ESTED F	REPORT	DATE			_				ort with Custom		te	12	630	077	2	
SAMPLE RECEIPT: CONDITION/CO	OLER TEMP:	C	CU	STODY SEA	ALS: Y	/ N							1	Edata		Yes		No	SU	BMISSIC)N #:			
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Signature ///	Signature Co-	. 8	ignature				Signatu	ire			-		Signa	ture					Sig	nature				
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Date/T 03/10/02, 10:03	Date/Time 3116/06 100	22	ate/Time				Date/Ti	ime					Date/	Time					Dat	te/Time				

Courer Receipt And Preservation Check. .m

Were custody Did all bottle Did any VOA Were Ice or I Where did the Temperature Is the temperature If No, Expla	y seals on outside of papers properly finds arrive in good condition and the signification of cooler(s) upon a sture within 0° - 6° in Below	of coole illed ou ondition icant ai	er? ut (ink u (unbi r bubb	, signed, etc.)	?	YES YES YES YES YES YES CAS/R	(S)(S) 85 8 6 (S)(S)	N/A
Were custody Did all bottles Did any VOA Were Ice or I Where did the Temperature Is the temperature If No, Expla Date/Time Temperature	papers properly for arrive in good con a vials have significated packs present? The bottles originated of cooler(s) upon a pature within 0° - 6° in Below the paper of the particles of the below the paper of the pa	illed ou ondition icant ai ? receipt	ut (ink u (unbi r bubb	roken)? bles?		YES YES YES	00 00 00 00	
If No, Expla Date/Time To	in Below emperatures Taker	° C?:	7	Yes Ye				
Date/Time To	emperatures Taker				S	Yes	Yes	Yes
			I	No No	,	No	No	No
Thermomete	ID: 161	n:		3/16/06	101	0		
out of Temperatu C Secondary Revie	re, Client Appro	Val to		Reading From	: Tem	p Blank	or Sar	mple Bottle
xplain any discrepa	ncies:	3,550	200					l. Added
pH	Reagent	YES	NO	Sample I.D.		Reagent	Vo	I. Added
12	NaOH				-			
2	HNO ₃							
2	H ₂ SO ₄							
Residual Chlorine (+/-)								
5-9**	P/PCBs (608 only)					i		
ES = All samples OK		ples wen	e preser	ved at lab as liste	d	PC OK to adj	ust pH	
*If pH adjustment is req	C Vial pH Verification Tested after Analysis)		-	Other Co	omments			

\\ROCHESTER1\GROUP\SMODOCS\Cooler Receipt v 2.doc



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 Perry

Laboratory Director

Enc.



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 ____ 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. Mulus Flerry



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2631261

Lab ID 897087 897088 Client ID EFF041706 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.







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 Date Received: 04/17/06 Submi	Order #: 897087 ission #: R2631261	Sample Matrix: Analytical Run	
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 DISULFIDE	5.0	5.0 U	UG/L
CARBON TETRACHLORIDE CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROBENZENE CHLOROETHANE	5.0	5.0 U	UG/L
	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
PIBROMOCHLOROMETHANE	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 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	10 U	UG/L
2-HEXANONE	10	5.0 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10		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	
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		
-BROMOFLUOROBENZENE	(80 - 123 %)	108	ક
TOLUENE-D8	(88 - 124 %)	102	8
DIBROMOFLUOROMETHANE	(91 - 115 %)	102	. 8

COLUMBIA ANALYTICAL SERVICES

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

URS Corporation

Project Reference: DIEBOLD GRIFFEN Client Sample ID: TRIP BLANK

	rder #: 897088 sion #: R2631261	Sample Matrix: Analytical Run	
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/18/06			
ANALYTICAL DILUTION: 1.0	0		
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
	5.0	5.0 U	UG/L
ETHYLBENZENE	10	10 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
	5.0	5.0 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	3.00	56/ H
SURROGATE RECOVERIES	QC LIMITS		
±-BROMOFLUOROBENZENE	(80 - 123 %)	105	8
TOLUENE-D8	(88 - 124 %)	100	8
DIBROMOFLUOROMETHANE	(91 - 115.%)	98 .	8

CLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS METHOD: 8260B TCL

ABORATORY CONTROL SAMPLE SUMMARY

EFERENCE ORDER #: 897566	ANALYT	ICAL RUN # :	128897
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ATE ANALYZED : 04/18/06			
NALYTICAL DILUTION: 1.0			
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 DISULFIDE CARBON TETRACHLORIDE	20.0	94	70 - 130
CHLOROBENZENE	20.0	94	70 - 130
CHLOROBENZENE	20.0	95	70 - 130
CHLOROE I HAND CHLOROFORM	20.0	98	70 - 130
	20.0	93	70 - 130
HLOROMETHANE	20.0	99	70 - 130
DIBROMOCHLOROMETHANE	20.0	92	70 - 130
1,1-DICHLOROETHANE	20.0	94	70 - 130
1,2-DICHLOROETHANE	20.0	101	70 - 130
1,1-DICHLOROETHENE	20.0	97	70 - 130
CIS=1,2-DICHLOROETHENE	20.0	97	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	93	70 - 130
1,2-DICHLOROPROPANE	20.0	104	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	100	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	101	70 - 130
ETHYLBENZENE	20.0	90	70 - 130
2-HEXANONE	20.0	96	70 - 130
METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK)	20.0	88	70 - 130
	20.0	95	70 - 130
STYRENE	20.0	97	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	97	70 - 130
TETRACHLOROETHENE	20.0	96	70 - 130
TOLUENE	20.0	92	70 - 130
1,1,1-TRICHLOROETHANE	20.0	101	70 - 130
1,1,2-TRICHLOROETHANE	20.0	96	70 - 130
TRICHLOROETHENE	20.0	93	70 - 130
VINYL CHLORIDE	20.0	98	70 - 130
O-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 : Date Received:	Order #: Submission #:		Sample Matrix: Analytical Run	
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 DISULFIDE		5.0	5.0 U	UG/L
CARBON TETRACHBORIDE CHLOROBENZENE		5.0	5.0 U	UG/L
CHLOROBENZENE		5.0	5.0 U	UG/L
CHLOROFORM		5.0	5.0 U	UG/L
CHLOROMETHANE		5.0	5.0 U	UG/L
		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		10	10 U	UG/L
2-HEXANONE			5.0 U	UG/L
METHYLENE CHLORIDE	TP\	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIE	sk)	10	5.0 U	UG/L
STYRENE		5.0 5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE			5.0 U	UG/L
TETRACHLOROETHENE		5.0	5.0 U	UG/L
TOLUENE				UG/L
1,1,1-TRICHLOROETHANE		5.0	5.0 U 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		UG/L
O-XYLENE		5.0	5.0 U	
M+P-XYLENE		5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC LIM	IITS		
4-BROMOFLUOROBENZENE	(80 -	123 %)	105	8
OLUENE-D8		124 %)	101	8
		115 %)	96	8

-	-
Comm	
Analy Services INC.	
Services	Or

CHAIN OF CUSTODY/LABORATORY ALTSIS REQUEST FORM

SR		4
CAS Contact		

An Employee - Owned Company One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE Project Name
TAM DIGARD ANALYSIS REQUESTED (include Method Number and Container Preservative) 1380 7296, 00000 PRESERVATIVE Preservative Key 0. NONE
1. HCL
2. HNO₃
3. H₂SO₄
4. NaOH NUMBER OF CONTAINERS 1375 Euce 10 Aug, STE 600 GCMS VOA'S COM.
GEORGE VOA'S COM.
GCMS SVOA'S GCM.
GCNOA'S GCLP
METALS, TOTAL
(List in comments below) 5. Zn. Acetate CLEVELAND, OH 44115 MeOH 7. NaHSO4 Phone # 8. Other (216) 622-2428 (216) 622-2400 Sampler's Printed Name
Kan J. McGovan FOR OFFICE USE ONLY SAMPLING REMARKS/ ALTERNATE DESCRIPTION CLIENT SAMPLE ID DATE TIME MATRIX LAB ID EEG-417 6 817-04-106 Trup BLANK 3 X 4/17/2 09:15 EFF 041706 WG 3 SPECIAL INSTRUCTIONS/COMMENTS REPORT REQUIREMENTS INVOICE INFORMATION TURNAROUND REQUIREMENTS I. Results Only Metals RUSH (SURCHARGES APPLY) (LCS, PUP, MSA(130 as required)
III, Results + QC and Calibration BILL TO: Summaries IV. Data Validation Report with Raw Data REQUESTED REPORT DATE R267126 V. Speicalized Forms / Custom Report See QAPP Edata _____Yes _____No SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N RELINQUISHED BY RECEIVED BY RELINQUISHED BY RECEIVED BY

Signature

Date/Time

Printed Name

Signature

Printed Name

00 Karn J. Melnow

Signature

Printed Name

Signature

Date/Time

Printed Name

roject/Client_U	RS Con	P	S	ubmission Numb	er R2-3120	<u> </u>	
Cooler received on <u>U</u>	17 06 by: C	MC	COUI	RIER: CAS U	JPS FEDEX	VELOC	CITY CLIEN
Were custody Did all bottles Did any VOA Were Ice or I Where did the	papers properly is arrive in good co vials have signifulate ce packs present? bottles originate of cooler(s) upon	filled or ondition icant at ?	ut (ink n (unb ir bubb	roken)?	YES YES YES YES CAS/R	NO NO NO NO CC, CL) N/A
Is the tempera	ature within 0° - 6	° C?:		Yes Yes	Yes	Yes	Yes
If No, Explai	in Below	•	(1	No No	No	No	No
	emperatures Take	n:	de	14/17/06	1000	4hR.	Rulo
Thermometer		RGL	IN :	Reading From:	Temp Blank	or Se	mple Bottle
Did all bottle	le labels complete labels and tags ag	(i.e. a	nalysis th cus	s, preservation, et tody papers?	c.)? YES	NO NO NO	
 Were all bottle Did all bottle Were correct 	Date: le labels complete labels and tags ag containers used f Cassettes / Tub	(i.e. argree wi	nalysis th cust	s, preservation, et tody papers?	c.)? YES	NO	nflated N/A
 Were all bottle Did all bottle Were correct Air Samples: 	Date: le labels complete labels and tags ag containers used f Cassettes / Tub	(i.e. argree wi	nalysis th cust	s, preservation, et tody papers? dicated?	c.)? YES	NO NO ® Bags In	nflated N/A
 Were all bottle Did all bottle Were correct Air Samples: 	Date: le labels complete labels and tags ag containers used f Cassettes / Tub	e (i.e. a gree wi or the t	nalysis th cust ests in	s, preservation, et tody papers? dicated? Canisters Pressur	c.)? YES YES ized Tedlar	NO NO ® Bags In	
1. Were all bottle 2. Did all bottle 3. Were correct 4. Air Samples: Explain any discrepa	Date: le labels complete labels and tags ag containers used f Cassettes / Tub ncies:	e (i.e. a gree wi or the t	nalysis th cust ests in	s, preservation, et tody papers? dicated? Canisters Pressur	c.)? YES YES ized Tedlar	NO NO ® Bags In	
Did all bottle Did all bottle Were correct A. Air Samples: Explain any discrepa	Date:	e (i.e. a gree wi or the t	nalysis th cust ests in	s, preservation, et tody papers? dicated? Canisters Pressur	c.)? YES YES ized Tedlar	NO NO ® Bags In	
Did all bottle Did all bottle Were correct A. Air Samples: Explain any discrepa	Date:	e (i.e. a gree wi or the t	nalysis th cust ests in	s, preservation, et tody papers? dicated? Canisters Pressur	c.)? YES YES ized Tedlar	NO NO ® Bags In	
Did all bottle Did all bottle Were correct A. Air Samples: Explain any discrepa	Date:	e (i.e. a gree wi or the t	nalysis th cust ests in	s, preservation, et tody papers? dicated? Canisters Pressur	c.)? YES YES ized Tedlar	NO NO ® Bags In	
Did all bottle Did all bottle Were correct A. Air Samples: Explain any discrepa PH 12 2 2 Residual Chlorine (+/-) 5-9**	Date:	c (i.e. as gree with or the tes Inta	nalysis th cust ests in ct	s, preservation, et tody papers? dicated? Canisters Pressur Sample I.D.	c.)? YES YES Tedlar Reagent	NO NO ® Bags Ir	
Did all bottle Did all bottle Were correct Air Samples: Explain any discrepa pH 12 2 Residual Chlorine (+/-)	Date:	e (i.e. as gree with or the tes Inta	nalysis th cust ests in ct	s, preservation, et tody papers? dicated? Canisters Pressur Sample I.D.	c.)? YES YES Tedlar Reagent PC OK to adj	NO NO ® Bags Ir	
Did all bottle Did all bottle Were correct A. Air Samples: Explain any discrepa PH 12 2 2 Residual Chlorine (+/-) 5-9** YES = All samples OK **If pH adjustment is requested.	Date:	yes	nalysis th cust ests in ct	s, preservation, et tody papers? dicated? Canisters Pressur Sample I.D.	c.)? YES YES Tedlar Reagent PC OK to adj	NO NO ® Bags Ir	
Did all bottle Did all bottle Were correct A. Air Samples: Explain any discrepa PH 12 2 2 Residual Chlorine (+/-) 5-9** YES = All samples OK **If pH adjustment is requested.	Date:	yes	nalysis th cust ests in ct	s, preservation, et tody papers? dicated? Canisters Pressur Sample I.D.	c.)? YES YES Tedlar Reagent PC OK to adj	NO NO ® Bags Ir	
Did all bottle Did all bottle Were correct A. Air Samples: Explain any discrepa PH 12 2 2 Residual Chlorine (+/-) 5-9** YES = All samples OK **If pH adjustment is requested.	Date:	yes	nalysis th cust ests in ct	s, preservation, et tody papers? dicated? Canisters Pressur Sample I.D.	c.)? YES YES Tedlar Reagent PC OK to adj	NO NO ® Bags Ir	



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 Directed

Enc.



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.



CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2631695

Lab ID 904946 904947 Client ID EFF 051506 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.







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 : 05/24/0	06		
	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		
1-BROMOFLUOROBENZENE	(80 - 123 %)	104	8
TOLUENE-D8	(88 - 124 %)	106	ક
DIBROMOFLUOROMETHANE	(91 - 115 %)	106	8

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
DAME ANAL WEED 05/24/06			
DATE ANALYZED : 05/24/06 ANALYTICAL DILUTION: 1.00			
ANALITICAL 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
ALL ALL MILLS	0.0		/ -
SURROGATE RECOVERIES QC	C LIMITS		
4-BROMOFLUOROBENZENE (86		103	8
TOLUENE-D8 (88	8 - 124 %)	103	ક
DIBROMOFLUOROMETHANE (9:	1 - 115 %)	105	8

VOLATILE ORGANICS METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

EFERENCE ORDER #: 909006	ANALYT	130578		
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS	
ATE ANALYZED : 05/24/06				
NALYTICAL DILUTION: 1.0				
	20.0	105	FO 1FO	
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	
THLOROFORM	20.0	102	70 - 130	
HLOROMETHANE	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	
	20.0	103	70 - 130	
1,1,2-TRICHLOROETHANE	20.0	107	70 - 130	
TRICHLOROETHENE	20.0	103	70 - 130	
VINYL CHLORIDE	20.0	100	70 - 130	
O-XYLENE	711 11			

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

Project Reference: Client Sample ID : METHOD BLANK

Date Sampled : Date Received:	Order #: 90 Submission #:	9005	Sample Matrix: Analytical Run	
ANALYTE		PQL	RESULT	UNITS
	5/24/06			
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
	TE	5.0	5.0 U	UG/L
TRANS-1, 2-DICHLOROETHEN	VE.	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	2	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENI		5.0	5.0 U	UG/L
TRANS-1, 3-DICHLOROPROPI	FINE	5.0	5.0 U	UG/L
ETHYLBENZENE		10	10 U	UG/L
2-HEXANONE		5.0	5.0 U	UG/L
METHYLENE CHLORIDE	ATDY)	10	10 U	UG/L
4-METHYL-2-PENTANONE ((IBK)	5.0	5.0 U	UG/L
STYRENE	ANTE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETH	ANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE		5.0	5.0 U	UG/L
TOLUENE			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 U	UG/L
M+P-XYLENE		5.0	5.0 0	0G/ II
SURROGATE RECOVERIES	QC LIMITS	3		
4-BROMOFLUOROBENZENE	(80 - 123	3 %)	102	8
TOLUENE-D8	(88 - 124		103	용
DIBROMOFLUOROMETHANE	(91 - 115		101	ક

Analy.	
Services INC.	0-

CHAIN OF CUSTODY/LABORATURY ALYSIS REQUEST FURM

1	SR#	
	CAS Contact	

Services NC.

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

PAGE

OF

CAS Contact

CAS Contact

Project Name Gassess	Project Number 13807296, 00000 Report CC ELENCO BISHOP			ANALYSIS REQUESTED (Include Method Number and Container Preservative)																			
Project Manager JANGO BISHOP	Report CC	co Bi	SHOP		PRE	SERVA	LIVE								1								
Company/Address Conforma	TON						1	1	1	1	7	7		1	1	/	/	//		7	/5	reservativo. NONE . HCL	ve Key
Project Manager Takled Biston Company/Address UNS Compand 1375 Gucus Currona Old Phone # (2147 Grz-zusto) Sampler's Signature	ANG, SUITE	600			NUMBER OF CONTAINERS		/				/	/	TA C	A Company				/			/ 3	HNO ₃ H ₂ SO ₄ NaOH Zn. Acc	4
CLOVORING OLD	44115				CONT	/	000	GCVOA'S GCIP	1 2/	7010	100	Spale	OLVE ts bel		/ ,	/				/ /	5	i. Zn. Acc i. MeOH i. NaHSC	etate O ₄
(2167 622-2400	(2167	622-2	428		BER OF	/ / 3	184 S	38	1601/4	808	809		man and a second	Ø	/	/	//	//	/	//		3. Other	
Sampler's Signature	Sampler's Printed Nam	J. Mc	Carpon		NUM	MSV	MSS	0/2	STICIL	B's D	TALS	7460	100 6	809				/					
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	DATE	TIME	MATRIX		000	300	366	A B	200	N S	Lie A					_	_	_	A	RE LTERNAT	MARKS/ E DESCRI	PTION
THE BRANC	医主动脉 神经系统	5/5/06	09:07	WG	3								20										
Trip Branc		_		_	3								×										
					-												-	-		-			

SPECIAL INSTRUCTIONS/COMMENTS Metals								IRNAR(_ RUSH 24 hr	(SURCE	HARGES	APPLY)	_	_ I. Resu	ORT RE	Po	ONTO		200		OICE IN	FORMATIO	ON
								_ STANI	DARD AX DATI	Por				(LCS, I	OUP, MS ults + Q	/MSD a	is require		BIL	L TO:			
See QAPP	11.						REQUE	STED R									ort with Custom	Raw Dai	a	R26	366	585	
SAMPLE RECEIPT: CONDITION/COOL	ER TEMP: 10 C		CUS	STODY SEA	LS: Y	N N					-		1	Edata		_Yes		No	SU	BMISSION	1 #:		
RELINOUSHED BY	A RECEIVED BY		RE	LINQUISHED	ВУ				RECEI	VED BY	,			F	RELINQ	UISHE	D BY				RECE	IVED BY	
Signature Karn I. McCoan	tmy Hentschle	Sig	nature				Signatu	ire					Signa	ture					Sign	nature			
Printed Name Cors Cors	rinted Name		nted Name	,			Printed	Name					Printe	d Name					Prin	nted Name	F		
Firm	irm	Fin					Firm						Firm		-				Fim	n			
Data Susper, asses	5/13/06 09:50		te/Time				Date/Ti	me					Date/	Time					Dat	te/Time			
Distribution: White - Return to Originator; Yellow	- Lab Copy; Pink - Retained by C	lient																				SC	OC-1102-08

Cooler Receipt And Preservation Check Form

Cooler received on	5/15/06 by: A	Lit	COU	RIER: CAS	UPS F	EDEX	VELOC	ITY CLIEN
. Were custody . Did all bottle . Did any VOA . Were Ice or I . Where did th	y seals on outside of papers properly is arrive in good or A vials have significe packs present to bottles originate of cooler(s) upon	filled of ondition icant a	out (ink n (unb ir bubl	roken)?		YES YES YES YES YES CAS/R	NO NO NO CLI	N/A ENT
	rature within 0° - 6	•		Yes Yes	Y	es	Yes	Yes
If No, Expla	in Below		6	No No	N	ю	No	No
-	emperatures Take	n. c	ilislo		_			. 110
	-	1	1				15	100
Inermomete	rID: 161 or (IK GU	IN	Reading From:	Temp B	lank	or Sar	mple Bottle
out of Temperate	re Client Annre	wal to	Run S	Samples				
C Secondary Revie				samples				
4		(100					•
Cooler Breakdown:	Date: 5/15	06		by	the:			
			nalveis			VECO	NO	
. were all bott	le laneis complete	11 6 11		nreservation	erc 1/ (YHN		
	le labels complete					YES		•
Did all bottle	labels and tags ag	gree wi	th cust	tody papers?	(YES	NO	
Did all bottle Were correct	labels and tags ag containers used for	gree wi	ith cust tests in	tody papers? dicated?		YES YES	NO NO	
Did all bottle Were correct Air Samples:	clabels and tags ag containers used for Cassettes / Tub	gree wi	ith cust tests in	tody papers? dicated?		YES YES	NO	flated N/A
Did all bottle Were correct Air Samples:	clabels and tags ag containers used for Cassettes / Tub	gree wi	ith cust tests in	tody papers? dicated?		YES YES	NO NO	flated N/A
Did all bottle Were correct Air Samples:	clabels and tags ag containers used for Cassettes / Tub	gree wi or the t es Inta	th cust tests in ct	tody papers? dicated? Canisters Press	surized	YES YES Tedlar	NO NO B Bags In	
Did all bottle Were correct Air Samples Explain any discrepa	clabels and tags ag containers used for Cassettes / Tub ancies:	gree wi	ith cust tests in	tody papers? dicated?		YES YES Tedlar	NO NO B Bags In	flated N/A
Did all bottle Were correct Air Samples: Explain any discrepa	clabels and tags ag containers used for Cassettes / Tub ancies:	gree wi or the t es Inta	th cust tests in ct	tody papers? dicated? Canisters Press	surized	YES YES Tedlar	NO NO B Bags In	
Did all bottle Were correct Air Samples Explain any discreps pH 12	clabels and tags age containers used for Cassettes / Tub ancies: Reagent NaOH	gree wi or the t es Inta	th cust tests in ct	tody papers? dicated? Canisters Press	surized	YES YES Tedlar	NO NO B Bags In	
Did all bottle Were correct Air Samples: Explain any discrepa	clabels and tags age containers used for Cassettes / Tub ancies: Reagent NaOH HNO3	gree wi or the t es Inta	th cust tests in ct	tody papers? dicated? Canisters Press	surized	YES YES Tedlar	NO NO B Bags In	
Did all bottle Were correct Air Samples Explain any discreps pH 12 2 2	clabels and tags age containers used for Cassettes / Tub ancies: Reagent NaOH HNO ₃ H ₂ SO ₄	gree wi or the t es Inta	th cust tests in ct	tody papers? dicated? Canisters Press	surized	YES YES Tedlar	NO NO B Bags In	
Did all bottle Were correct Air Samples: Explain any discrepa pH 12 2 2 Residual Chlorine (+/-)	clabels and tags age containers used for Cassettes / Tub ancies: Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol	gree wi or the t es Inta	th cust tests in ct	tody papers? dicated? Canisters Press	surized	YES YES Tedlar	NO NO B Bags In	
pH 12 2 2 Residual Chlorine (+/-) 5-9**	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol	gree wi or the t es Inta	th cust tests in ct NO	tody papers? dicated? Canisters Press Sample I.D.	surized	Tedlar(NO NO B Bags In	
pH 12 2 Residual Chlorine (+/-) 5-9**	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Sam	yes were	th cust ests in ct NO	tody papers? dicated? Canisters Press	surized	YES YES Tedlar	NO NO B Bags In	
pH 12 2 Residual Chlorine (+/-) 5-9** ZES = All samples OK *If pH adjustment is required.	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Samurred, use NaOH and/or	yes YES ples wer H ₂ SO ₄	th cust ests in ct NO	tody papers? dicated? Canisters Press Sample I.D.	Reag	Tedlar(NO NO B Bags In	
pH 12 2 Residual Chlorine (+/-) 5-9** TES = All samples OK *If pH adjustment is required.	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Samurred, use NaOH and/or	yes YES ples wer H ₂ SO ₄	th cust ests in ct NO	tody papers? dicated? Canisters Press Sample I.D. ved at lab as listed Other Con	Reag PC C	Tedlar(NO NO B Bags In	
pH 12 2 2 Residual Chlorine (+/-) 5-9** TES = All samples OK *If pH adjustment is requ	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Samured, use NaOH and/or csted after Analysis) Following Samples	yes YES ples wer H ₂ SO ₄	th cust ests in ct NO	tody papers? dicated? Canisters Press Sample I.D.	Reag PC C	Tedlar (NO NO B Bags In	
pH 12 2 2 Residual Chlorine (+/-) 5-9** TES = All samples OK *If pH adjustment is requ	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Sam aired, use NaOH and/or C Vial pH Verification Tested after Analysis)	yes YES ples wer H ₂ SO ₄	th cust ests in ct NO	tody papers? dicated? Canisters Press Sample I.D. ved at lab as listed Other Con	Reag PC C	Tedlar (NO NO B Bags In	
pH 12 2 2 Residual Chlorine (+/-) 5-9** TES = All samples OK *If pH adjustment is requ	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Samured, use NaOH and/or csted after Analysis) Following Samples	yes YES ples wer H ₂ SO ₄	th cust ests in ct NO	tody papers? dicated? Canisters Press Sample I.D. ved at lab as listed Other Con	Reag PC C	Tedlar (NO NO B Bags In	
pH 12 2 2 Residual Chlorine (+/-) 5-9** TES = All samples OK *If pH adjustment is requ	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Samured, use NaOH and/or csted after Analysis) Following Samples	yes YES ples wer H ₂ SO ₄	th cust ests in ct NO	tody papers? dicated? Canisters Press Sample I.D. ved at lab as listed Other Con	Reag PC C	Tedlar (NO NO B Bags In	
pH 12 2 2 Residual Chlorine (+/-) 5-9** TES = All samples OK *If pH adjustment is requ	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Samured, use NaOH and/or csted after Analysis) Following Samples	yes YES ples wer H ₂ SO ₄	th cust ests in ct NO	tody papers? dicated? Canisters Press Sample I.D. ved at lab as listed Other Con	Reag PC C	Tedlar (NO NO B Bags In	
pH 12 2 2 Residual Chlorine (+/-) 5-9** TES = All samples OK *If pH adjustment is requ	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Samured, use NaOH and/or cested after Analysis) Following Samples	yes YES ples wer H ₂ SO ₄	th cust ests in ct NO	tody papers? dicated? Canisters Press Sample I.D. ved at lab as listed Other Con	Reag PC C	Tedlar (NO NO B Bags In	

\\ROCHESTER1\GROUP\SMODOCS\Cooler Receipt v 2.doc



A FULL SERVICE ENVIRONMENTAL LABORATORY

June 22, 2006

DEGEIVED JUN 262006

URS

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.



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

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. Muhalf Jerry



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.







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

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	de
TOLUENE-D8	(88 - 124 %)	110	8
DIBROMOFLUOROMETHANE	(91 - 115 %)	104	g
DIBROPIOT BOOKOPIET PIANE	(21113 0/	104	Α

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

URS Corporation

Project Reference: GRIFFIN Client Sample ID: TRIP BLANK

Date Sampled: 06/15/06: Date Received: 06/15/06 Subr		913935 R2632186	Sample Matrix: Analytical Run	
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 06/20/ ANALYTICAL DILUTION:	06 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
		5.0	5.0 U	UG/L
1,1-DICHLOROETHANE 1,2-DICHLOROETHANE		5.0	5.0 U	UG/L
		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		10	10 U	UG/L
2-HEXANONE			5.0 U	UG/L
METHYLENE CHLORIDE		5.0 10	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)			5.0 U	UG/L
STYRENE		5.0 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				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	
O-XYLENE		5.0	5.0 U	UG/L
M+P-XYLENE		5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC LIM	MITS		
4-BROMOFLUOROBENZENE		123 %)	105	ક
TOLUENE-D8		124 %)	111	8
DIBROMOFLUOROMETHANE	. (91 -	115 %)	.102	5
				5

VOLATILE ORGANICS METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 915546	ANALYT	131570		
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS	
PATE ANALYZED : 06/20/06				
NALYTICAL 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	
JIBROMOCHLOROMETHANE	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	

VOLATILE ORGANICS METHOD 8260B TCL

Reported: 06/22/06

Project Reference: Client Sample ID : METHOD BLANK

Date Sampled : Date Received:	Order #: 9: Submission #:	15545	Sample Matrix: Analytical Run	
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
		5.0	5.0 U	UG/L
BROMOFORM		5.0	5.0 U	UG/L
BROMOMETHANE		10	10 U	UG/L
2-BUTANONE (MEK)			10 U	UG/L
CARBON DISULFIDE		10		UG/L
CARBON TETRACHLORIDE		5.0	5.0 U	UG/L
CHLOROBENZENE		5.0	5.0 U	
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
		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 U	UG/L
TRANS-1, 3-DICHLOROPROPEN	E	5.0		UG/L
ETHYLBENZENE		5.0	5.0 U	
2-HEXANONE	•	10	10 U	UG/L
METHYLENE CHLORIDE		5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MI	BK)	10	10 U	UG/L
STYRENE		5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHAN	E	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
T, I, Z-IKICHLOROEIHANE		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 U	UG/L
M+P-XYLENE		5.0	5.00	09/11
SURROGATE RECOVERIES	QC LIMIT	'S		
4-BROMOFLUOROBENZENE	(80 - 12	(3 %)	104	8
	•	4 %)	107	क्ष
TOLUENE - D8		.5 %)	105	of
JIBROMOFLUOROMETHANE	(31 - 11	,	200	
				**



CHAIN OF CUSTODY/LABORATORY NALYSIS REQUEST FORM

CAS Contact		

Services NC.		DIGE / OF /	1
An Employee - Owned Company	One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475	PAGE/ OF/	_ 1

Project Name Saffin	Project Number	7296.00	2000					ANALY	SIS RE	QUES	TED (I	nciud	e Meth	od Nu	mber	and C	ontai	ner P	reserva	itive)		
Project Name Briffin Project Manager, Townson Bisker Company/Address	Report CC	ANGO 1	SISHUP		PRE	SERVAT	IVE							1								
URS COMPOREST	100				RS		1	//	//		7	/					/	/	//	/	Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH	
1375 Guerro A. CLGUGLAND, Off Phone # (216) 622-2400 Sampler's Signeric f	44115				NUMBER OF CONTAINERS	1	GCMS SVOA'S DBZNO SVOA'S GC DBZS	Old S	V/ &		1	LVED	Moles				/	/			Zn. AcetateMeOH	
Phone # (216) 622-2400	FAX# (216.	622- 1	48		ER OF	1/2	24 64 S	601/60 601/60	ES 0	0 809	TOTAL Siments	SSI THE PARTY OF T	//	/	//	/ /	/	/	//	/	7. NaHSO ₄ 8. Other	-
Sampler's Signature	Ka	met. Mc			NUMB	SNSV	0820	20 Z	2000	2 8 B	A LS	8 1 COM	80		/		/	/	/			
CLIENT SAMPLE ID	FOR OFFICE USE O	NLY SAI DATE	MPLING TIME	MATRIX		1980	360	PES 200		S W	Z WE	6	/_					/		ALTER	REMARKS/ NATE DESCRIPTION	
EFF 061506		4/15/2	09:07	WG	3							X										
Tru BLANK			-		3				-	-		×				-	-	-				
					-			-	-								+	+	-			
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			-					+-	+								+		+			
					-			+	-									+				_
SPECIAL INSTRUCTIONS/COMMENTS Metals							RI	AROUNI JSH (SUR	CHARGI	S APPL	Y)	_	_ I. Resu	ilts Only	,	ion c		an an	11	VVOIC	E INFORMATION	
								ANDARD			day	-			C Summ S/MSD a		ed)	P	O#			
							REQUESTE	ANDARD	ATE Com	mac	0	_	_ III. Res Summ		C and C	Calibratio	on	В	ILL TO:			
See QAPP							REQUEST	D REPO	RT DATE			_			tion Rep Forms /			-	R	26.3	2186	
SAMPLE RECEIPT: CONDITION/CO	DOLER TEMP: 170		CL	ISTODY SEA	ALS: \	Y N		-			- Lance		Edata		Yes		No	S	UBMISSI	ON #:		
RELINGUISHED BY	RECEIVED E	Y	RI	ELINQUISHED	BY			REC	EIVED E	ЗҮ				RELING	QUISHE	D BY				R	ECEIVED BY	
Signatury Keren J. McGaer	Signatury 10 L	umi	Signature				Signature					Signa	ature					s	ignature			
Printed Name Conf	Printe Name Gregory O. B.	menian	Printed Name				Printed Nar	ne					ed Name					P	rinted Na	me		
6/12/16, 03.43	(A)		Firm				Firm					Firm							irm			
Data/Time	Date/Time 6-15-06	9:49	Date/Time				Date/Time					Date	/Time					D	ate/Time			

Cooler Receipt And Preservation Check Form Submission Number R 2632186 Project/Client Cooler received on 6-15-06 by: No COURIER: CAS UPS FEDEX VELOCITY CLIENT NO YES Were custody seals on outside of cooler? 1. NO Were custody papers properly filled out (ink, signed, etc.)? YES 2. YES NO Did all bottles arrive in good condition (unbroken)? 3. N/A YES (NO Did any VOA vials have significant air bubbles? 4 hour Rule 4. YES NO Were Ice or Ice packs present? 5. CAS/ROC, CLIENT Where did the bottles originate? 6. Temperature of cooler(s) upon receipt: 7. Yes Yes Yes Yes Is the temperature within 0° - 6° C?: Yes No No No No If No. Explain Below 6-15-06 Date/Time Temperatures Taken: Sample Bottle Reading From: Temp Blank 161 or (IR GUN Thermometer ID: If out of Temperature, Client Approval to Run Samples PC Secondary Review: MKN 6/15/06 Cooler Breakdown: Date: 6 5/06 Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO 1. Did all bottle labels and tags agree with custody papers? NO YES 2. NO Were correct containers used for the tests indicated? 3. Tedlar® Bags Inflated Canisters Pressurized Air Samples: Cassettes / Tubes Intact 4. Explain any discrepancies: Final pH Vol. Added Reagent YES NO Sample I.D. pH Reagent 12 NaOH 2 HNO₃ 2 H2SO4 Residual Chlorine (+/-) for TCN & Phenol 5-9** P/PCBs (608 only) NO = Samples were preserved at lab as listed PC OK to adjust pH YES = All samples OK **If pH adjustment is required, use NaOH and/or H2SO4 Other Comments: VOC Vial pH Verification (Tested after Analysis)

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

PC Secondary Review:





URS

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.

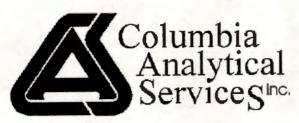
Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael Perry

Laboratory Director

Enc.



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

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.



CASE NARRATIVE

This report contains analytical results for the following samples: Submission #: R2633182

Lab ID
929667
929668

Client ID EFF 081506 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.







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

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		
	1.00		
	20	20 U	UG/L
ACETONE		5.0 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0		UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	
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
	5.0	5.0 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 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0		
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	ક
TOLUENE - D8	(88 - 124 %)	104	8
TOTORNE-DO	(91 - 115 %)	100	ક

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

DATE ANALYZED : 08/21/06 ANALYTICAL DILUTION: 1.00 CCETONE	RESULT	UNITS
ANALYTICAL DILUTION: 1.00 CETONE		
SENZENE		
SENZENE	20 U	UG/L
STORMONOTCHLOROMETHANE 5.0	5.0 U	UG/L
SCONDOFORM 5.0	5.0 U	UG/L
STOCK STOC	5.0 U	UG/L
Tentanone	5.0 U	UG/L
ARBON DISULFIDE	10 U	UG/L
######################################	10 U	UG/L
#HLOROBENZENE	5.0 U	UG/L
#HLOROETHANE	5.0 U	UG/L
HILOROFORM	5.0 U	UG/L
S. 0	5.0 U	UG/L
STEPH STEP	5.0 U	UG/L
1-DICHLOROETHANE	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0 U	UG/L
1-DICHLOROETHENE	5.0 U	UG/L
TIS-1,2-DICHLOROETHENE	5.0 U	UG/L
RANS-1,2-DICHLOROETHENE 5.0	5.0 U	UG/L
1,2-DICHLOROPROPENE 5.0 18-1,3-DICHLOROPROPENE 5.0 18-1,3-DICHLOROPROPENE 5.0 18-1,3-DICHLOROPROPENE 5.0 18-1+12-ENE 5.0 19-1+12-ENE 5.0 1	5.0 U	UG/L
TIS-1,3-DICHLOROPROPENE 5.0 TRANS-1,3-DICHLOROPROPENE 5.0 THYLBENZENE 5.0 THYLBENZENE 5.0 THYLENE CHLORIDE 10 THYLENE CHLORIDE 5.0 THYLENE CHLOROETHANE 5.0 THYRENE	5.0 U	UG/L
STANS - 1 , 3 - DICHLOROPROPENE 5 . 0 STHYLBENZENE 5 . 0 STHYLBENZENE 10 STHYLENE CHLORIDE 5 . 0 - METHYL - 2 - PENTANONE (MIBK) 10 STYRENE 5 . 0 STYRENE 5 . 0 STYRENE 5 . 0 STRACHLOROETHANE 5 . 0 SURCHLOROETHANE 5 . 0 STRICHLOROETHANE 5 . 0 STRICHLOROETHANE 5 . 0 STRICHLOROETHENE 5 . 0 SURROGATE RECOVERIES QC LIMITS SURROGATE RECOVERIES QC LIMITS QC LIMITS SURROGATE RECOVERIES QC LIMITS Q	5.0 U	UG/L
### STHYLBENZENE	5.0 U	UG/L
HEXANONE	5.0 U	UG/L
IETHYLENE CHLORIDE 5.0 -METHYL-2-PENTANONE (MIBK) 10 STYRENE 5.0 .1,2,2-TETRACHLOROETHANE 5.0 CETRACHLOROETHENE 5.0 COLUENE 5.0 .1,1-TRICHLOROETHANE 5.0 CRICHLOROETHANE 5.0 CRICHLOROETHENE 5.0 CRICHLOROETHENE 5.0 CRICHLOROETHENE 5.0 CRICHLORIDE 5.0 CRICH	10 U	UG/L
-METHYL-2-PENTANONE (MIBK)	5.0 U	UG/L
### STYRENE	10 U	UG/L
1,2,2-TETRACHLOROETHANE 5.0 CETRACHLOROETHENE 5.0 COLUENE 5.0 1,1-TRICHLOROETHANE 5.0 1,2-TRICHLOROETHANE 5.0 1,2-TRICHLOROETHANE 5.0 1,2-TRICHLOROETHANE 5.0 2,1,2-TRICHLOROETHANE 5.0 3,1,2-TRICHLOROETHANE 5.0 4,1,2-TRICHLOROETHANE 5.0 5,0 5,0 5,0 5,0 6,0 6,0 7,0	5.0 U	UG/L
SURROGATE RECOVERIES S	5.0 U	UG/L
SOLUENE	5.0 U	UG/L
1,1-TRICHLOROETHANE	5.0 U	UG/L
TRICHLOROETHANE RICHLOROETHENE S. 0 RICHLOROETHENE S. 0 SINYL CHLORIDE S. 0 SAMPLENE S. 0 SURROGATE RECOVERIES SURROGATE R	5.0 U	UG/L
RICHLOROETHENE 5.0 YINYL CHLORIDE 5.0 O-XYLENE 5.0 H+P-XYLENE 5.0 SURROGATE RECOVERIES QC LIMITS	5.0 U	UG/L
VINYL CHLORIDE 5.0 0-XYLENE 5.0 1+P-XYLENE 5.0 SURROGATE RECOVERIES QC LIMITSBROMOFLUOROBENZENE (80 - 123 %) COLUENE-D8 (88 - 124 %)	5.0 U	UG/L
SURROGATE RECOVERIES -BROMOFLUOROBENZENE COLUENE-D8 5.0 5.0 COLUENE-D8	5.0 U	UG/L
SURROGATE RECOVERIES -BROMOFLUOROBENZENE COLUENE-D8 5.0 QC LIMITS (80 - 123 %) (88 - 124 %)	5.0 U	UG/L
SURROGATE RECOVERIES	5.0 U	UG/L
-BROMOFLUOROBENZENE (80 - 123 %) OLUENE-D8 (88 - 124 %)	5.0 0	09/1
OLUENE-D8 (88 - 124 %)		
	111	ફ
/04 44 01	107	ફ
IBROMOFLUOROMETHANE (91 - 115 %)	96	ક

VOLATILE ORGANICS METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 931286	ANALYT	ICAL RUN # :	133886
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
PATE 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 (MIBR)	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
1,1,1-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

VOLATILE ORGANICS

METHOD 8260B TCL Reported: 08/24/06

Project Reference: Client Sample ID : METHOD BLANK

Date Sampled : Date Received:	Order # Submission #	: 931284 :	Sample Matrix: Analytical Run	
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08/2 ANALYTICAL DILUTION:	21/06			
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 (MIB	K)	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 LI	MITS		
4-BROMOFLUOROBENZENE	(80 -	123 %)	112	8
TOLUENE-D8	(88 -	124 %)	107	8
DIBROMOFLUOROMETHANE	(91 -	115 %)	98	8



Ana al CHAIN OF COSTODY/LABORATORY NALTSIS REQUEST FORM

Sn #			-
CAS Contact		•	

Services INC.				,	
An Employee - Owned Company	One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475	PAGE	OF	CAS Conta	act

Project Name GNIFFIN	Project Number	296. Q	000		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																	
Project Manager Tanto BisHoP Company/Address	Report CC	Bi	SHOP		PRE	SERVATIV	E							1								
Project Manager Janto Bishop Company/Address UNS Comp 1375 Eucu CLGUGANT, OF Phone # (216) 622-240 Sampler's Signification CLIENT SAMPLE ID	OTHERS OF				RS		//	1/		/	/		1	/		//	//	//	//	P 0 1 2	reservative NONE HCL HNO3 H ₂ SO ₄	в Кеу
1375 Euch	10 AVE, Switt.	600			AINE	/	0/	0/		1.	/	NO	M	/				/	/	3 4	. H ₂ SO ₄ . NãOH	
CLEVERANT, OF	4 44115				CON		100	3 6	/ 8	1 0	1					/	/			/ 6	. Zn. Ace	tate
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						RE	QUESTE	FAX DA				-	_ III. Res Summi		C and C	Calibratio	n	BIL	L TO:			
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Firm Dens Corp	CAS	Fir				Firm						Firm						Firr	n			
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Distribution: White - Return to Originator; Yellow	- Lat Copy Pink - Retained by C	ient															-				SCO	C-1102-08

Cooler Receipt And Preservation Check Form

oject/Client_U								/	
ooler received on 8	15 06 by: a	9	COUR	RIER: CAS	UPS	FEDEX	VELOC	TTY	CLIENT
Were custody Were custody Did all bottles Did any VOA Were Ice or Ice Where did the	seals on outside of papers properly for arrive in good control vials have significe packs present? The bottles originate of cooler(s) upon	of coole illed out ondition icant ai	er? at (ink, a (unbr r bubb	, signed, etc.)?		YES YES YES YES	NO NO NO NO NO NO NO CLI	N/A	
_	ature within 0° - 6			Yes Ye	es	Yes	Yes	Ye	es
If No, Explai			(1	No No).	No	No	No	
	emperatures Take	n·		8/15/0	60	0958			
	r ID: 161 or	-	N	Reading Fron	n: Tem	p Blank	or Sa	mple E	ottle
Cooler Breakdown:	Date :	8/15			y:	1	ATO		
Did all bottle Were correct Air Samples	tle labels complete labels and tags at containers used at Cassettes / Tulancies:	gree wi for the oes Inta	ith cus tests in act	stody papers? ndicated?		E	NO NO NO ® Bags I	nflated	N/A
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Did all bottle Were correct Air Samples	e labels and tags a t containers used : Cassettes / Tul	for the	ith cus tests in act	stody papers? ndicated? Canisters Pre	essurize	Tedlar	NO NO ® Bags I		
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2. Did all bottle 3. Were correct 4. Air Samples Explain any discrep pH 12 2	e labels and tags at containers used at containers used at containers used ancies: Cassettes / Tulancies: Reagent NaOH HNO3 H ₂ SO ₄	for the	ith cus tests in act	stody papers? ndicated? Canisters Pre	essurize	Tedlar	NO NO ® Bags I		N/A Final pH
2. Did all bottle 3. Were correct 4. Air Samples Explain any discrep pH 12 2 2	e labels and tags at containers used to containers used to containers used to cassettes / Tuliancies: Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only)	gree wifor the pes Inta	ith custests in act	stody papers? ndicated? Canisters Pre	essurized	Tedlar Reagent	NO NO ® Bags I		
2. Did all bottle 3. Were correct 4. Air Samples Explain any discrep pH 12 2 2 Residual Chlorine (+/-) 5-9**	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Sa	yes Inta	NO NO	stody papers? ndicated? Canisters Pre	essurized	Tedlar	NO NO ® Bags I		
pH 12 2 Residual Chlorine (+/-) 5-9** YES = All samples OK **If pH adjustment is re	Reagent NaOH HNO3 H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Sa	YES YES	NO NO	stody papers? ndicated? Canisters Pre Sample I.D.	essurized	Tedlar Reagent PC OK to ad	NO NO ® Bags I		

Appendix B Monitoring Well Groundwater Analytical Results



A FULL SERVICE ENVIRONMENTAL LABORATORY

August 16, 2006

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

Cleveland, OH

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

Laboratory Director

Enc.



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.

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 crossreferences. 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

PROJECT:	GRIFFIN	CHAIN O	F CUSTODY: PRESENT					
CAS JOB#	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE	DATE	pH	%	REMARKS
000450	1 nu 400 070000	MATER	01111401/04			(SOLIDS)	SOLIDS	AMPLE 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 ナ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			
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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

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

CHAIN OF COOTO STILABORATORY ANALYSIS REQUEST FORM

- 1	05	2
- 1	OF	

CAC	Contact
CHO	Contact

ANALYSIS REQUESTED (Include Method Number and Container Preservative) Gregge 13807296. 0000 Project Manager PRESERVATIVE JANOO BISHOP Company/Address Preservative Key
0. NONE UNS COMPORATION 1. HCL 2. HNO₃ 3. H₂SO₄ 4. NaOH 1375 Encero AVE, Suite 600 CONTAINERS GCMS VOA'S
GCMS VOA'S
GCMS VOA'S
GCMS SVOA'S
GC VOA'S
GC Zn. AcetateMeOH CLEVELAND, OH 44115 7. NaHSO4 NUMBER OF (210) 622-2428 8. Other_ Sampler's Printed Name

Kovin J. McContine FOR OFFICE USE ONLY SAMPLING REMARKS/ ALTERNATE DESCRIPTION CLIENT SAMPLE ID LAB ID DATE TIME MATRIX 7/20/00 1023 juw100-07 2006 WG FICTO OUP pew 200 - 072006 FIGO BLANK MW-01-072006 07:49 MW-02-072006 07:56 MW - 050 -072006 08:08 per-055 - 072006 08:14 MS-055-072006 MOTRING SPINE MSD-055-072006 MASTER SPINE BUP AU -04- 072076 08:32 WW -03-072006 08:38 SPECIAL INSTRUCTIONS/COMMENTS REPORT REQUIREMENTS INVOICE INFORMATION TURNAROUND REQUIREMENTS I. Results Only Por Contrac Metals **RUSH (SURCHARGES APPLY)** II. Results + QC Summaries PO# (LCS, DUP, MS/MSD as required) REQUESTED FAX DATE BILL TO: III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data REQUESTED REPORT DATE V. Speicalized Forms / Custom Report See QAPP SAMPLE RECEIPT: CONDITION/COOLER TEMP: CUSTODY SEALS: Y N RECEIVED BY RELINQUISHED BY RELINQUISHED BY RELINQUISHED BY RECEIVED BY Signature Signature Signature Signature Printed Name Printed Name Printed Name Firm Date/Time Date/Time Date/Time SCOC-1102-08



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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CAS Contact	-

www.caslab.com									-																	
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Company/Address	nga 1 s	F-Z					CONTAINERS				/	1	/	/		(MO)	>/	/					7	Preserv 0. NO 1. HC 2. HN 3. H ₂ S 4. Na	vative Ke NE L O ₃ SO ₄	у
Phone # Sampler's Signature		FAX#	-				NUMBER OF CONTA	/	04's 1624 0 C.	104's CE	1601/602	PCB's Deed DCIP	1608 0 0.00	TOTAL SPINE	mments LVEC	OLY O	/	/ .	/	//	//	//		5. Zn. 6. Me 7. Nal 8. Ott	Acetate OH HSO ₄	
Kevin McGalin	FOR OF	FICE USE ONLY		IPLING			NOM	CAMS	SWS	200	587	98.88	FIALS	ETALS	18	3/		/	/	/				DEMARK	204	
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Cooler Receipt And Preservation Check Form

roject/Client	(5						R7632			S
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4. Air Samples Explain any discrep pH 12 2 2 Residual Chlorine (+/-) 5-9** YES = All samples OK **If pH adjustment is re	Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol P/PCBs (608 only) NO = Sa	YES Amples w Yor H2SO	NO Pere pres	Canister Sample I	s Press	F	Tedlar Reagent PC OK to ad	® Bags In		

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CAS Contact

Project Name	Project Number	296 D	100		T			AN	ALYSI	S REC	QUEST	ED (In	ciude	e Meth	od Nu	mber	and C	ontair	ner Pr	reserva	ive)	
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Signature Signature	acho Oor	00	Signature				Signature						Signa							gnature		
Printeg Name 24 Kann J. Mrs Printeg	whe work	25	Printed Name				Printed N	Vame						ed Name	3					rinted Nam	8	
Firm uns con	AS.		irm .				Firm						Firm							rm		
Date/Time/24/66, 14:22 Date/Time/24/66, 14:22 Date/Time/24/66, Distribution: White - Return to Originator; Yellow - Lab	124/06 19	26	Date/Time				Date/Tim	10		•			Date/	Time					Da	ate/Time		SCOC-1102-

Cooler Receipt And Preservation Check Form

roject/Client_U	۲ S			ubmission Nu	mber	K2632	<u>.770</u> .	
Cooler received on_		RG	_cou	RIER: CAS	UPS	FEDEX	VELOCI	TY CLIENT
. Were custod	y seals on outside	of coo	ler?			YES	(NO)	*
. Were custod	ly papers properly	filled	out (in	signed, etc.)		(YES)	NO	
. Did all bottle	es arrive in good	conditio	on (unl	roken)?		YES	NO	•
	A vials have signi					YES	NO	N/A
	Ice packs present					YES	NO	
. Where did the	he bottles originat	e?		110		CAS/R	OC, CLIE	NT
. Temperature	e of cooler(s) upon	n receip	ot: _	7				
Is the tempe	rature within 0°-	6° C?:	(Yes Ye	S	Yes	Yes	Yes
If No, Expl	ain Below			No No		No	No	No
_	Temperatures Tak	en:	72	106 @	14	25		
Thermomet	er ID: 161 or	IR G	UN)	Reading From	: Tem	p Blank	or San	ple Bottle
If out of Temperat	ure, Client App	roval to	Run	Samples			. `	
PC Secondary Revi	ew:							
	210	ula			y: A	H	,	
Cooler Breakdown:	Date: //2	4106				VE	NO	
	ttle labels comple le labels and tags				, e.c.)!	YES	NO	
	ct containers used					VES.	NO	
	s: Cassettes / Tu				surized	Tedlar	r® Bags Inf	lated N/A
Explain any discrep	ancies:	000 1110		·				
Emplant day diserep								
		YES	NO	Sample I.D.	I	Reagent	Vol. Ad	ded Final pH
pН	Reagent							
12	NaOH							•
2	HNO ₃							
2	H₂SO₄							
Residual Chlorine (+/-)	for TCN & Phenol							
5-9**	P/PCBs (608 only)							
YES = All samples OK	NO = Sa	mples w	ere pres	rved at lab as liste	d	PC OK to ad	just pH	
**If pH adjustment is re	quired, use NaOH and	or H ₂ SO	4					
V	OC Vial pH Verification	on		Other C	omments	:		
	(Tested after Analysis))						
	Following Samples Exhibited pH > 2				,	•		·
	Zanonea pri- Z		•					
	,							
PC Secondary Rev	riew:							9

H:\SMODOCS\Cooler Receipt v 2.doc

1A VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name:	CAS-RO	OCH	Contract: URS	
Lab Code:	10145	Case No.: R6-32770	SAS No.:S	DG No.: MW100
Matrix: (soil/	water)	WATER	Lab Sample ID:	923459 1.0
Sample wt/v	ol:	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	4 ID: 0.32 (mm)	Dilution Factor:	1.0
Soil Extract	Volume	(uL)	Soil Aliquot Vol	ume: (uL)

CONCENTRATION UNITS:

AS 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

EPA SAMPLE NO.

MW100

Lab Name:	CAS-RC	OCH	Contract:	URS		
Lab Code:	10145	Case No.: R6-32770	SAS No	o.: S	DG No.: MW100)
Matrix: (soil/	water)	WATER	La	b Sample ID:	923459 1.0	
Sample wt/ve		5.0 (g/ml) ML	La	b File ID:	B8431.D	
Level: (low/r		LOW	Da	ate Received:	07/20/06	
% Moisture:			Da	ate Analyzed:	07/26/06	
GC Column:		4 ID: 0.32 (mm)	Di	lution Factor:	1.0	
Soil Extract Volume (uL)			Soil Aliquot Volume:			(uL)

CAS NO.	COMPOUND (ug/L or ug/kg)	UG/L	u
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

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

Lab Name:	CAS-RC		VEET IDENT	Contract:	URS		MW10	0
Lab Code:			se No.: R6-32	2770 SAS N	lo.:	_ SDG N	o.: <u>MW1</u>	100
Matrix: (soil/v	vater)	WATER		La	ab Sample	e ID: 9234	59 1.0	
Sample wt/vo	ol:	5.0	(g/ml) ML	L	ab File ID	B843	31.D	
Level: (low/n	ned)	LOW		D	ate Recei	ved: 07/2	0/06	
% Moisture: r	not dec.			D	ate Analy	zed: 07/2	5/06	
GC Column:	DB624	ID: 0.	32 (mm)	. D	ilution Fa	ctor: 1.0		
Soil Extract Volume			(uL)	S	oil Aliquo	t Volume:		(uL)
Number TICs	s found:	0		CONCENTRA (ug/L or ug/K				
CAS NO.		СОМРО	UND		RT	EST. C	ONC.	Q

EPA	SAI	MDI	F	NO
EPA	SA	VIPL		NO

MW200

Lab Name:	CAS-RO	OCH	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/v		5.0 (g/ml) ML	Lab File ID:	B8434.D
Level: (low/		LOW	Date Received:	07/20/06
% Moisture:			Date Analyzed:	07/26/06
GC Column:		4 ID: 0.32 (mm)	Dilution Factor:	1.0
Soil Extract		(uL)	Soil Aliquot Vo	lume: (uL

AS 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

EPA SAMPLE NO.

MW200

Lab Name:	CAS-RO	OCH		Contract:	URS		
Lab Code:	10145	Cas	se No.: R6-32770	SAS No.	:s	DG No.: MW10	0
Matrix: (soil/	water)	WATER		Lab	Sample ID:	923462 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	Lab	File ID:	B8434.D	
Level: (low/	med)	LOW		Dat	e Received:	07/20/06	
% Moisture:	not dec.			Dat	e Analyzed:	07/26/06	
GC Column:	DB62	4 ID: 0.3	32 (mm)	Dilu	ution Factor:	1.0	
Soil Extract	Volume		(uL)	Soi	l Aliquot Volu	ume:	(uL)

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

EPA SAMPLE NO.

		12141741					M	W200	1
Lab Name:	CAS-RC)CH		Contra	act: <u>URS</u>				
Lab Code:	10145	Ca	se No.: R6-3	2770 SAS	S No.:	s	DG No.:	MW10	0
Matrix: (soil/v	vater)	WATER			Lab Sam	ple ID:	923462 1	1.0	-
Sample wt/vo	ol:	5.0	(g/ml) ML		Lab File	ID:	B8434.D		-
Level: (low/n	ned)	LOW			Date Red	ceived:	07/20/06	·	_
% Moisture: r	not dec.				Date Ana	alyzed:	07/26/06	<u> </u>	-
GC Column:	DB624	ID: <u>0.</u>	32 (mm)		Dilution I	=actor:	1.0		_
Soil Extract \	/olume		(uL)		Soil Aliqu	loV tou	ume:		_ (uL)
		•		CONCENT (ug/L or ug		UNITS: <mark>J</mark> G/L			
Number TICs	s found:	0							
CAS NO.	Ì	COMPO	JND		RT	E	ST. CONC	. .	Q

EPA	SAMPL	E NO
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M١	w	เมา
		•

Lab Name:	CAS-RC	OCH	Contract: URS		لـ
Lab Code:	10145	Case No.: R6-32770	SAS No.:	DG No.: MW100	_
Matrix: (soil/	water)	WATER	Lab Sample ID:	923463 1.0	
Sample wt/v	ol:	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	4 ID: 0.32 (mm)	Dilution Factor:	1.0	
Soil Extract	Volume	(uL)	Soil Aliquot Vol	lume: (uL

AS 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	J
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

EPA	SAMP	LE NO

MW01

Lab Name:	CAS-RO	ОСН		Contract:	URS		
Lab Code:	10145		Case No.: R6-32770	SAS No	.: s	DG No.: MW100	
Matrix: (soil/	water)	WATER		Lat	Sample ID:	923463 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	Lat	File ID:	B8460.D	
Level: (low/	med)	LOW		Dat	te Received:	07/20/06	
% Moisture:	not dec.			Da	te Analyzed:	07/27/06	
GC Column:	DB624	4 ID:	0.32 (mm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		(uL)	So	il Aliquot Volu	ıme:	(uL)
			001	NOENTDAT	TION LINITS:		

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

EPA SAMPLE NO.

Lab Name:	CAS-RC	СН			Contra	ct:	URS		MAAOT	
Lab Code:	10145		ase No.: R6-	32770	SAS	No	.:	SDG No.:	MW10	0
Matrix: (soil/	water)	WATER				Lat	Sample I	D: 923463	1.0	
Sample wt/y	ol:	5.0	(g/ml) ML			Lat	File ID:	B8460.D)	
Level: (low/		LOW				Dat	e Receive	ed: 07/20/06	3	
% Moisture:	not dec.		<u> </u>			Dat	te Analyze	d: <u>07/27/06</u>	3	
GC Column:	DB624	ID:	0.32 (mm)			Dilu	ution Facto	or: 1.0		
Soil Extract	Volume		(uL)			Soi	il Aliquot \	/olume:		(uL)
					CENTI		TION UNIT			
Number TIC	s found:	0				_				
CAS NO.		COMP	DUND				RT	EST. CON	c.	Q

EPA SAMPLE NO.

Lab Name:	CAS-RC	СН		Contract:	URS	MVVU2
Lab Code:	10145	c	ase No.: R6-32770	SAS No.	.: s	DG No.: MW100
Matrix: (soil/	water)	WATER	_	Lab	Sample ID:	923464 20
Sample wt/v	ol:	5.0	(g/ml) ML	Lab	File ID:	B8459.D
Level: (low/	med)	LOW		Dat	e Received:	07/20/06
% Moisture:	not dec.		· · · · · · · · · · · · · · · · · · ·	Dat	e Analyzed:	07/27/06
GC Column:	DB624	ID: 0).32 (mm)	Dilu	ution Factor:	1.6 20 xa8/16/00
Soil Extract	Volume		(uL)	Soi	l Aliquot Volu	ume: (uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	JG/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

EPA SAMPLE NO.

MW02

Lab Name:	CAS-RC	CH		Contract:	URS	_		
Lab Code:	10145	Case	No.: R6-32770	SAS No	.:	SDG No.:	MW100	_
- Matrix: (soil/w	ater)	WATER		Lat	Sample ID	923464	20	
Sample wt/vol		5.0 (9	g/ml) ML	Lat	File ID:	B8459.D)	
Level: (low/m		LOW		Da	te Received	: 07/20/06	3	
% Moisture: n				Da	te Analyzed	: 07/27/06	3	
GC Column:	DB624	ID: 0.32	(mm)	Dil	ution Factor	: 1620	Ka 8/1	· loc
Soil Extract V			(uL)		il Aliquot Vo	•		uL)

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

EPA	SAMPL	E NO.
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		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				MINIOO
Lab Name: C	CAS-ROCH		Contract	: URS		MW02
Lab Code: 1	0145	Case No.: R6-3277	70 SAS N	lo.:	_ SDG No.:	MW100
Matrix: (soil/wa	ater) <u>WATE</u>	R_	L	ab Sample	923464	20
Sample wt/vol:	5.0	(g/mi) ML	_ L	ab File ID:	B8459.0	<u> </u>
Level: (low/me	ed) <u>LOW</u>			ate Recei	ved: 07/20/00	5
% Moisture: no	ot dec.			ate Analy	zed: <u>07/27/0</u> 6	8
GC Column:	DB624 ID:	0.32 (mm)		ilution Fac	ctor: 10 20	8/16/00
Soil Extract Vo	lume	(uL)	S	oil Aliquot	Volume:	(uL)
		C	ONCENTRA	ATION UN	ITS:	
Number TICs f	ound:0		g/L or ug/K	g) <u>UG</u>	<u>/L</u>	
CAS NO.	СОМ	POUND		RT	EST. CON	c. Q

EPA SAMPLE NO.

MW05D

Lab Name:	CAS-RC	OCH	Contract: URS	
Lab Code:	10145	Case No.: R6-32770	SAS No.:S	DG No.: MW100
Matrix: (soil/	water)	WATER	Lab Sample ID:	923467 1.0
Sample wt/v	ol:	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	4 ID: <u>0.32</u> (mm)	Dilution Factor:	1.0
Soil Extract	Volume	(uL)	Soil Aliquot Vol	ume: (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 8/14/00

EPA SAMPLE NO.

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Lab Name:	CAS-RC	осн	Contract: U	RS	MW	/05D	
Lab Code:	10145	Case No.: R6	-32770 SAS No.:	s	DG No.: N	1W100	
Matrix: (soil/	water)	WATER	Lab S	ample ID:	923467 1.	0	
Sample wt/v	ol:	5.0 (g/ml) M	Lab F	ile ID:	B8461.D		
Level: (low/	med)	LOW	Date I	Received:	07/20/06		
% Moisture:	not dec.		Date /	Analyzed:	07/27/06		
GC Column:	DB624	ID: <u>0.32</u> (mm)	Dilutio	n Factor:	1.0		
Soil Extract	Volume	(uL)	Soil A	liquot Volu	ıme:		(uL)
			CONCENTRATIO	N UNITS:			
CAS NO	Ο.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q	
1330-	20-7	(m+p)Xylene			10	U	
95-47	-6	o-Xylene			10	U	
100-4	2-5	Styrene			10	U	
98-82	-8	Isopropylbenzen	e		10	U	
79-34	-5	1,1,2,2-Tetrachic	roethane		10	U	
541-7	3-1	1,3-Dichlorobenz	ene		10	U	
106-4	6-7	1,4-Dichlorobenz	ene		10	U	
95-50	-1	1,2-Dichlorobenz	ene		10	U	

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

96-12-8 120-82-1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA S	SAMP	LE	NO
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Lab Name:	CAS-RC	СН	1000	Contrac	ct:	URS	_ "	עפטעעו	
Lab Code:	10145	Ca	se No.: R6-3	2770 SAS	No).:	SDG No.:	MW100	0
Matrix: (soil/	water)	WATER	_		Lal	b Sample ID	923467	1.0	
Sample wt/ve	oi:	5.0	(g/ml) ML		Lai	b File ID:	B8461.E)	
Level: (low/r	med)	LOW	_		Da	te Received	: 07/20/06	3	
% Moisture:	not dec.				Da	te An <mark>alyzed</mark>	: 07/27/06	3	
GC Column:	DB624	ID: 0.	32 (mm)		Dil	ution Factor	: 1.0		
Soil Extract	Volume		_ (uL)		So	il Aliq <mark>uot Vo</mark>	lume:		(uL)
Number TIC:	s found:	0	_	CONCENTF (ug/L or ug/l		TION UNITS): 		
CAS NO.		COMPOL	JND			RT E	EST. CON	c.	Q

EPA SAMPLE NO.

MW05S

Lab Name:	CAS-RC	OCH	Contract: URS	
Lab Code:	10145	Case No.: R6-32770	SAS No.:S	DG No.: MW100
Matrix: (soil/	water)	WATER	Lab Sample ID:	923468 1.0
Sample wt/v	ol:	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	4 ID: 0.32 (mm)	Dilution Factor:	1.0
Soil Extract	Volume	(uL)	Soil Aliquot Volu	ume: (uL

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

EPA SAMPLE NO.

MW05S

Lab Name:	CAS-RO	OCH		Contract:	URS		
Lab Code:	10145	Cas	se No.: R6-32770	SAS No	o.: S	DG No.: M	W100
Matrix: (soil/	water)	WATER		Lal	b Sample ID:	923468 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	La	b File ID:	B8430.D	
Level: (low/	med)	LOW		Da	te Received:	07/20/06	
% Moisture:	not dec.			Da	te Analyzed:	07/26/06	
GC Column:	DB624	4 ID: 0.3	32 (mm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		_ (uL)	So	il Aliquot Vol	ume:	(uL)

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	J
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

EPA SAMPLE NO.

Lab Name:	CAS-RC	OCH		Contract	: URS	MIVVUS	5
	10145		se No.: R6-32	770 SAS N	No.:	SDG No.: MW1	100
Matrix: (soil/\	water)	WATER		L	ab Sample	PID: 923468 1.0	
Sample wt/ve	ol:	5.0	(g/ml) ML		ab File ID:	B8430.D	_
Level: (low/r	med)	LOW			ate Receiv	ved: 07/20/06	_
% Moisture:	not dec.				Date Analyz	zed: 07/26/06	
GC Column:	DB624	ID: 0.3	32_ (mm)	Г	Dilution Fac	otor: 1.0	
Soil Extract \	Volume		(uL)	5	Soil Aliquot	Volume:	(uL)
			•	CONCENTR			
Number TIC:	s found:	0	_	(ug/L or ug/K	g) <u>00</u>	/L	
CAS NO.		COMPOL	IND		RT	EST. CONC.	Q

EPA SAMPLE NO.

MW04

Lab Name:	CAS-RC	OCH	Contract: URS		
Lab Code:	10145	Case No.: R6-32770		DG No.: MW100	
Matrix: (soil/v	vater)	WATER	Lab Sample ID:	923469 1.0	
Sample wt/vo		5.0 (g/ml) ML	Lab File ID:	B8462.D	
Level: (low/r		LOW	Date Received:	07/20/06	
% Moisture:			Date Analyzed:	07/27/06	
GC Column:		4 ID: 0.32 (mm)	Dilution Factor:	1.0	
Soil Extract		(uL)	Soil Aliquot Vol	ume:	(uL

AS 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	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	11	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

EPA SAMPLE NO.

MW04

Lab Name:	CAS-RC	OCH	Contract: URS		
Lab Code:	10145	Case No.: R6-32770	SAS No.:S	DG No.: MW100	
Matrix: (soil/	water)	WATER	Lab Sample ID:	923469 1.0	
Sample wt/v		5.0 (g/ml) ML	Lab File ID:	B8462.D	
Level: (low/		LOW	Date Received:	07/20/06	
% Moisture:			Date Analyzed:	07/27/06	
GC Column:		4 ID: 0.32 (mm)	Dilution Factor:	1.0	
Soil Extract		(uL)	Soil Aliquot Vol	ume: (u	ıL)

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

EPA SAMPLE NO.

		IENIAII	VELT IDENTIFI	ED COM	COIVI	00		MW04	
Lab Name:	CAS-RC	ОСН		_ Contrac	ct: U	RS		VIVVO-4	
Lab Code:	10145	Cas	se No.: R6-3277	70 SAS	No.:		SDG No.:	MW100)
Matrix: (soil/	water)	WATER			Lab S	ample ID	923469	1.0	
Sample wt/ve	ol:	5.0	(g/ml) ML		Lab F	ile ID:	B8462.E)	
Level: (low/r	med)	LOW			Date F	Received	i: <u>07/20/0</u> 6	3	
% Moisture:	not dec.				Date /	Analyzed	1: 07/27/0	3	
GC Column:	DB624	ID: 0.3	3 <u>2</u> (mm)		Dilutio	n Facto	r: <u>1.0</u>		
Soil Extract \	Volume		_ (uL)		Soil A	liquot Vo	olume:		(uL)
Number TICs	s found:	0		ONCENTF		UG/L	S: 		
CAS NO.		COMPOU	IND		F	रा	EST. CON	C.	Q

EPA SAMPLE NO.

MW03

Lab Name:	CAS-RC	OCH		Contract:	URS		
Lab Code:	10145	Cas	se No.: R6-32770	SAS No	.: s	DG No.: MW100	
Matrix: (soil/	water)	WATER		Lal	Sample ID:	923470 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	Lal	b File ID:	B8481.D	
Level: (low/r	med)	LOW		Da	te Received:	07/20/06	
% Moisture:	not dec.			Da	te Analyzed:	07/28/06	
GC Column:	DB624	ID: 0.3	32 (mm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		_ (uL)	So	il Aliquot Volu	ume:	(uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	G/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	L
156-59-2	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	L
110-82-7	Cyclohexane	10	L
107-06-2	1,2-Dichloroethane	10	L
71-55-6	1,1,1-Trichloroethane	10	L
56-23-5	Carbon tetrachloride	10	L
71-43-2	Benzene	10	L
79-01-6	Trichloroethene	60	161
108-87-2	Methylcyclohexane	10	L
78-87-5	1,2-Dichloropropane	10	L
75-27-4	Bromodichloromethane	10	L
10061-01-5	cis-1,3-Dichloropropene	10	L
10061-02-6	trans-1,3-Dichloropropene	10	L
79-00-5	1,1,2-Trichloroethane	10	L
124-48-1	Dibromochloromethane	10	l
75-25-2	Bromoform	10	L
108-10-1	4-Methyl-2-pentanone	10	L
108-88-3	Toluene	10	ī
591-78-6	2-Hexanone	10	L
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

EPA SAMPLE NO.

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Lab Name:	CAS-RC	СН		Contract:	URS	N	WW03	
Lab Code:	10145		se No.: R6-32	770 SAS N	o.: §	SDG No.:	MW100	
Matrix: (soil/	water)	WATER		La	ab Sample ID	923470	1.0	
Sample wt/v		5.0	(g/ml) ML	La	ab File ID:	B8481.D)	
Level: (low/		LOW		D	ate Received	07/20/06	3	
% Moisture:				D	ate Analyzed:	07/28/06	3	
GC Column		ID: 0.	32 (mm)	D	ilution Factor:	1.0		
Soil Extract Volume			(uL)	. S	oil Aliquot Vo	lume:		(uL)
				CONCENTRA	TION UNITS	:		
CAS N	0.	COMP	OUND	(ug/L or ug/Kg) UG/L		Q	
1330-	-20-7	(m+p)Xylene			10	U	
95-47		o-Xyl				10	U	
100-4		Styre				10	U	
98-82		Isopr	opylbenzene			10	U	
79-34		1,1,2	,2-Tetrachloroe	ethane		10	U	

1,3-Dichlorobenzene

1,4-Dichlorobenzene

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,2-Dibromo-3-chloropropane

541-73-1

106-46-7

95-50-1

96-12-8

120-82-1

EPA SAMPLE NO.

Lab Name:	CAS-RC	СН			Contrac	at:	URS		MWC)3	
Lab Code:	10145	Cas	e No.: <u>R6</u>	-32770	SAS	No	.:		OG No.: MW	/100	
Matrix: (soil/	water)	WATER	h			Lat	Sample	ID:	923470 1.0		
Sample wt/v	ol:	5.0	(g/ml) MI	L		Lal	File ID:		B8481.D		
Level: (low/r	med)	LOW	,			Da	te Receive	ed:	07/20/06		
% Moisture:	not dec.					Da	te Analyze	ed:	07/28/06		
GC Column:	DB624	ID: <u>0.3</u>	<u>2</u> (mm)	l		Dil	ution Fact	or:	1.0		
Soil Extract \	Volume _.		_ (u L)			So	il Aliquot \	∕olu	me:		(uL)
Number TIC:	s found:	0		• • • • •	CENTF or ug/l		TION UNIT				
Trainbol Tro	Touris.					1					
CAS NO.		COMPOU	ND				RT	ES	T. CONC.		ב

EPA SAMPLE NO.

MW06D

Lab Name:	CAS-RC	ОСН	Contract: URS	
Lab Code:	10145	Case No.: R6-32770	SAS No.: S	DG No.: MW100
Matrix: (soil/	water)	WATER	Lab Sample ID:	923471 1.0
Sample wt/ve	ol:	5.0 (g/ml) ML	Lab File ID:	B8439.D
Level: (low/r	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 Vol	ume: (uL

AS NO.	COMPOUND (ug/L or ug/Kg) U	IG/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

EPA SAMPLE NO.

ab Name:	CAS-RO	ОСН		Contract:	URS	INIVOOD	
ab Code:	10145 Case No.: R6-32770			SAS No	.: s	SDG No.: MW100	
Matrix: (soil/	water)	WATER		Lal	Sample ID:	923471 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	Lal	File ID:	B8439.D	
_evel: (low/	med)	LOW		Da	te Received:	07/20/06	
% Moisture:	not dec.			Da	te Analyzed:	07/26/06	
GC Column	DB624	4 ID: 0.3	32 (mm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		_ (uL)	So	il Aliquot Vol	ume:	(uL)
SOII EXTRACT	Volume		_ (0.2)				

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

EPA SAMPLE NO.

	12.11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,		MWG)6D
Lab Name: CA	AS-ROCH		_ Contract:	URS		
Lab Code: 10	145	Case No.: R6-327	70 SAS No	.:	SDG No.: M	W100
Matrix: (soil/wate	er) <u>WATE</u>	<u> </u>	Lab	Sample I	D: <u>923471 1.0</u>	
Sample wt/vol:	5.0	(g/ml) ML	Lat	File ID:	B8439.D	
Level: (low/med	d) LOW		Da	te Receive	ed: <u>07/20/06</u>	
% Moisture: not	dec.		Dat	te Analyze	d: <u>07/26/06</u>	
GC Column: _	DB624 ID:	0.32 (mm)	Dili	ution Facto	or: <u>1.0</u>	
Soil Extract Volu	ume	(uL)	Soi	l Aliquot V	'olume:	(uL)
Number TICs fo	und: <u>0</u>		ONCENTRAT			
CAS NO.	COMF	POUND		RT	EST. CONC.	Q

EPA SAMPLE NO.

MW06S

Lab Name:	CAS-RC	CH			Contract:	URS	_	
Lab Code:	10145		Case No.:	R6-32770	SAS No	o.: s	DG No.: MV	V100
Matrix: (soil/	water)	WATER	2		Lal	b Sample ID:	923472 1.0	-
Sample wt/ve	ol:	5.0	(g/ml)	ML	Lal	b File ID:	B8440.D	
Level: (low/r	ned)	LOW			Da	te Received:	07/20/06	
% Moisture:	not dec.				Da	te Analyzed:	07/26/06	
GC Column:	DB624	ID:	0.32 (n	nm)	Dil	ution Factor:	1.0	
Soil Extract \	Volume _		(uL)		So	il Aliquot Volu	ume:	(uL)

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

EPA SAMPLE NO.

MW06S

Lab Name:	CAS-RO	OCH	Contract: URS	
Lab Code:	10145	Case No.: R6-32770	SAS No.: S	DG No.: MW100
Matrix: (soil/	water)	WATER	Lab Sample ID:	923472 1.0
Sample wt/v	ol:	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	4 ID: 0.32 (mm)	Dilution Factor:	1.0
Soil Extract	Volume	(uL)	Soil Aliquot Volu	ume: (uL)

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

EPA SAMPLE NO.

MW06S Contract: URS Lab Name: CAS-ROCH SAS No.: SDG No.: MW100 Case No.: R6-32770 10145 Lab Code: Lab Sample ID: 923472 1.0 Matrix: (soil/water) WATER 5.0 (g/ml) ML Lab File ID: B8440.D Sample wt/vol: LOW Date Received: 07/20/06 Level: (low/med) Date Analyzed: 07/26/06 % Moisture: not dec. Dilution Factor: 1.0 GC Column: DB624 ID: 0.32 (mm) Soil Aliquot Volume: (uL) Soil Extract Volume _____ (uL) **CONCENTRATION UNITS:** UG/L (ug/L or ug/Kg) Number TICs found: Q RT EST. CONC. COMPOUND CAS NO.

EPA SAMPLE NO.

MW07S

Lab Name:	CAS-RO	CH			Contract:	URS		
Lab Code:	10145		Case No	.: R6-32770	SAS No	o.: S	DG No.: MW100)
Matrix: (soil/	water)	WATE	R_		La	b Sample ID:	923473 1.0	
Sample wt/v	ol:	5.0	(g/n	nl) ML	La	b File ID:	B8482.D	
Level: (low/	med)	LOW			Da	te Received:	07/20/06	
% Moisture:	not dec.				Da	te Analyzed:	07/28/06	
GC Column:	DB624	ID:	0.32	(mm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		(uL)	So	il Aliquot Volu	ume:	(uL)

AS 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

EPA SAMPLE NO.

MW07S Contract: URS Lab Name: CAS-ROCH Case No.: R6-32770 SAS No.: SDG No.: MW100 Lab Code: 10145 WATER Lab Sample ID: 923473 1.0 Matrix: (soil/water) (g/ml) ML 5.0 Lab File ID: B8482.D Sample wt/vol: Date Received: 07/20/06 Level: (low/med) LOW % Moisture: not dec. Date Analyzed: 07/28/06 GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0 Soil Extract Volume Soil Aliquot Volume: (uL)

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

EPA SAMPLE NO.

		IENIAII	ACEL IDEIALI	ED COM	. 00	1100			W07S	
Lab Name:	CAS-RC	осн		_ Contra	ct:	URS		IV		
Lab Code:	10145	Ca	se No.: R6-327	70 SAS	No.	:	SE	G No.:	MW10	00
Matrix: (soil/	water)	WATER	_		Lab	Sample II	D: _	923473	1.0	_
Sample wt/y	ol:	5.0	(g/ml) ML		Lab	File ID:	_	B8482.C)	_
Level: (low/r	med)	LOW			Date	e Receive	d:	07/20/06	<u>; </u>	_
% Moisture:	not dec.				Date	e Analyze	d: _	07/28/06	}	_
GC Column:	DB624	ID: 0.	32 (mm)		Dilu	tion Facto	or:	1.0		_
Soil Extract \	√olume _		_ (uL)		Soil	Aliquot V	'olui	me:		_ (uL)
Number TIC:	s found:	0	_			ION UNIT UG/L				
CAS NO.		COMPOL	JND			RT	ES	T. CON	5 .	Q

EPA SAMPLE NO.

MW07D Lab Name: CAS-ROCH Contract: URS 10145 Case No.: R6-32770 Lab Code: 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 Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND (ug/L or ug/Kg)	JG/L	Q	
75-71-8	Dichlorodifluoromethane	10	U	7
74-87-3	Chloromethane	10	Ü	
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	1 Ka 8/14/00
156-60-5	trans-1,2-Dichloroethene	10	U	10.00
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	Ü	
71-55-6	1,1,1-Trichloroethane	0.6	J	Ka Shulor
56-23-5	Carbon tetrachloride	10	Ü	D. 81.1100
71-43-2	Benzene	10	U	-
79-01-6	Trichloroethene	110		-
108-87-2	Methylcyclohexane	10	U	1
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	1
79-00-5	1,1,2-Trichloroethane	10	U	4
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	

EPA SAMPLE NO.

1	M	W	0	7	D

Lab Name:	CAS-RO	ОСН		Contract: URS	IVIVOTO	
Lab Code:	10145		ase No.: R6-32770	SAS No.:	SDG No.: MW10	00
Matrix: (soil/	water)	WATER		Lab Sample ID:	923474 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	Lab File ID:	B8455.D	_
Level: (low/i	med)	LOW	_	Date Received:	07/20/06	_
% Moisture:	not dec.			Date Analyzed:	07/27/06	
GC Column:	DB624	1 ID:	0.32 (mm)	Dilution Factor:	1.0	
Soil Extract	Volume		(uL)	Soil Aliquot Vol	ume:	_ (uL)
			001	NOTATION LINES		

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	C
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 EPA SAMPLE NO. TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS-RC	СН			Contrac	ct:	URS		ľ	MW07E	<u> </u>
Lab Code:	10145	Ca	se No.: R6-	32770	SAS	No.		SD	3 No.:	MW1	00
Matrix: (soil/	water)	WATER	_			Lab	Sample I	D: <u>9</u>	23474	1.0	
Sample wt/v	ol:	5.0	(g/ml) ML			Lab	File ID:	Е	8455.	2	_
Level: (low/r	med)	LOW	-			Dat	e Receive	ed: <u>0</u>	7/20/0	6	_
% Moisture:	not dec.					Dat	e Analyze	d: <u>0</u>	7/27/0	6	
GC Column:	DB624	ID: <u>0.</u>	32 (mm)			Dilu	ition Facto	or: <u>1</u>	.0		_
Soil Extract \	Volume _		(uL)			Soil	l Aliquot V	olum	ie:		_ (uL)
				CON	CENT	RAT	ION UNIT	S:			
Number TIC:	s found:	0		(ug/L	or ug/l	Kg)	UG/L	•	_		
CAS NO.		COMPO	DNC				RT	EST	. CON	C.	Q

EPA SAMPLE NO.

MW09D

Lab Name:	CAS-RO	OCH	Contract: URS		
Lab Code:	10145	Case No.: R6-32770	SAS No.: S	DG 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:	r: 1.0	
Soil Extract Volume (uL)			Soil Aliquot Vol	ume:	_ (uL)

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	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.

Lab Name:	CAS-RC	CH		Contract: URS	_
Lab Code:	10145		Case No.: R6-32770	SAS No.:S	DG No.: MW100
Matrix: (soil/v	vater)	WATE	R_	Lab Sample ID:	923475 1.0
Sample wt/vo	ol:	5.0	(g/ml) ML	Lab File ID:	B8456.D
Level: (low/r	ned)	LOW		Date Received:	07/20/06
% Moisture: r	not dec.			Date Analyzed:	07/27/06
GC Column:	DB624	ID:	0.32 (mm)	Dilution Factor:	1.0
Soil Extract \	/olume		(uL)	Soil Aliquot Volu	ume: (ul

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

VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO. TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS-RC	S-ROCH			Contract: URS			MW09D	
Lab Code:	10145	C	ase No.: R6-	32770 SAS	No	o.:	SDG No.:	MW100	
Matrix: (soil/	water)	WATER			La	b Sample II	D: 923475	1.0	
Sample wt/v	ol:	5.0	(g/ml) ML		La	b File ID:	B8456.)	
Level: (low/	med)	LOW			Da	te Receive	d: 07/20/0	5	
% Moisture:	not dec.				Da	te Analyze	d: 07/27/0	5	
GC Column:	DB624	ID: 0	.32 (mm)		Dil	ution Facto	r: 1.0		
Soil Extract	Volume		(uL)		So	il Aliquot V	olume:		(uL)
Number TIC	s found:	0		CONCENTE (ug/L or ug/	,				
CAS NO.		СОМРО	UND			RT	EST. CON	c.	Q

EPA SAMPLE NO.

Lab Name:	CAS-RC	CH		Contract:	URS	IVIVVUSS
Lab Code:	10145		Case No.: R6-32	2770 SAS N	o.: S	DG No.: MW100
Matrix: (soil/	water)	WATE	R	La	ab Sample ID:	923476 1.0
Sample wt/v	ol:	5.0	(g/ml) ML	La	ab File ID:	B8457.D
Level: (low/	med)	LOW		D	ate Received:	07/20/06
% Moisture:	not dec.			D	ate Analyzed:	07/27/06
GC Column:	DB624	ID:	0.32 (mm)	D	ilution Factor:	1.0
Soil Extract	Volume		(uL)	S	oil Aliquot Vol	ume:(u
CON EXITAGE	Volumo	76	(42)	,	on Andaor von	unie (u

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	Ü
127-18-4	Tetrachloroethene	10	Ü
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	Ü
100-41-4	Ethylbenzene	10	U

EPA SAMPLE NO.

_ab Name:	CAS-RO	осн		Contract:	URS	MIVVUSS	
Lab Code:	10145		Case No.: R6-32770	SAS No	o.: s	DG No.: MW100	
Matrix: (soil/	water)	WATER		La	b Sample ID:	923476 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	La	b File ID:	B8457.D	
Level: (low/	med)	LOW		Da	te Received:	07/20/06	
% Moisture:	not dec.			Da	te Analyzed:	07/27/06	
GC Column	DB62	4 ID:	0.32 (mm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		(uL)	So	il Aliquot Vol	ume:	(uL)

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.

Lab Name:	CAS-ROCH		Contrac	t: URS		1W09S
Lab Code:	10145	Case No.: R6-3	2770 SAS	No.:	SDG No.:	MW100
Matrix: (soil/	water) W	TER		Lab Sampl	e ID: 923476	1.0
Sample wt/v	rol: <u>5.0</u>	(g/ml) ML		Lab File ID	: B8457.D)
Level: (low/	med) LO	W		Date Recei	ived: 07/20/06	3
% Moisture:	not dec.		3377	Date Analy	zed: 07/27/06	5
GC Column:	DB624	ID: <u>0.32</u> (mm)		Dilution Fa	ctor: 1.0	
Soil Extract	Volume	(uL)		Soil Aliquo	t Volume:	(uL
			CONCENTR	ATION UN	IITS:	
Number TIC	s found:	0	(ug/L or ug/l	(g) <u>UG</u>	6/L	
CAS NO.	C	OMPOUND	-	RT	EST. CON	c. Q

EPA SAMPLE NO.

MW11, DATS

Lab Name:	CAS-RC	OCH	Contract: URS		
Lab Code:	10145	Case No.: R6-32770	SAS No.: S	DG No.: MW100	•
Matrix: (soil/	water)	WATER	Lab Sample ID:	923477 1.0	
Sample wt/v	ol:	5.0 (g/ml) ML	Lab File ID:	B8458.D	
Level: (low/		LOW	Date Received:	07/20/06	
% Moisture:	,		Date Analyzed:	07/27/06	
GC Column:		4 ID: 0.32 (mm)	Dilution Factor:	1.0	
Soil Extract	-	(uL)	Soil Aliquot Volu	ume:	(uL)

		10	U
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	Ü
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroeth	10	Ü
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		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		u
67-66-3	Chloroform	10	U
110-82-7	Cyclohexane	10	
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	Ü
79-01-6	Trichloroethene	10	U
108-87-2	Methylcyclohexane	10	U
78-87-5	1,2-Dichloropropane	10	L
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	L
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	l
108-88-3	Toluene	10	U
591-78-6	2-Hexanone	10	L
127-18-4	Tetrachioroethene	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U

EPA SAMPLE NO.

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ab Name:	CAS-RO	CH	Contract: Ul	RS	IVI	טפוריי
		Case No.: R6-3	32770 SAS No.:	SI	DG No.:	MW100
Matrix: (soil/				ample ID:		
-		5.0 (g/ml) ML	Lab F	ile ID:	B8458.D	
evel: (low/				Received:	07/20/06	
6 Moisture:			Date /	Analyzed:	07/27/06	
		ID: 0.32 (mm)		n Factor:		
Soil Extract Volume			Soil A	liquot Volu	ıme:	
		, '	CONCENTRATIO	N UNITS:		
CAS N	0.	COMPOUND	(ug/L or ug/Kg)			Q
1330-	-20-7	(m+p)Xylene			10	U
95-47		o-Xylene			10	U
100-4		Styrene			10	U
98-82		Isopropylbenzene			10	U
79-34		1,1,2,2-Tetrachlor			10	U
541-7		1,3-Dichlorobenze	ene		10	U
106-4		1,4-Dichlorobenze	ene		10	U
95-50		1,2-Dichlorobenze	ene		10	U
96-12		1,2-Dibromo-3-ch	loropropane		10	U

1,2,4-Trichlorobenzene

96-12-8

120-82-1

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CAS-ROCH

Matrix: (soil/water)

Sample wt/vol:

Level: (low/med)

% Moisture: not dec.

Number TICs found:

WATER

LOW

GC Column: DB624 ID: 0.32 (mm)

Soil Extract Volume _____ (uL)

5.0 (g/ml) ML

Lab Code:

EPA SAMPLE NO.

10145 Case No.: R6-32770 SAS No.: SDG No.: MW100 Lab Sample ID: 923477 1.0 B8458.D Date Received: 07/20/06

Date Analyzed: 07/27/06 Dilution Factor: 1.0

Lab File ID:

(uL) Soil Aliquot Volume:

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Contract: URS

COMPOUND RT EST. CONC. Q CAS NO.

EPA SAMPLE NO.

TRIP BLK1

Lab Name:	CAS-RO	ОСН			Contract:	URS	- TRIF BER	
Lab Code:	10145		Case No.:	R6-32770	SAS No	o.: s	DG No.: MW100)
Matrix: (soil/	water)	WATE	R_		La	b Sample ID:	923500 1.0	
Sample wt/v	ol:	5.0	(g/ml)	ML	La	b File ID:	B8427.D	
Level: (low/i	med)	LOW			Da	te Received:	07/20/06	
% Moisture:	not dec.				Da	te Analyzed:	07/26/06	
GC Column:	DB624	ID:	0.32 (n	nm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		(uL)		So	il Aliquot Volu	ume:	(uL)

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	כ
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	Ų
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	L
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	L
124-48-1	Dibromochloromethane	10	U
75-25-2	Bromoform	10	L
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	L
100-41-4	Ethylbenzene	10	U

EPA SAMPLE NO.

Lab Name: CAS-RO	CH	Contract: URS	IRIP	BLK1	
Lab Code: 10145	Case No.: R6-327	70 SAS No.: S	DG No.: M	N100	_
Matrix: (soil/water)	WATER	Lab Sample ID:	923500 1.0		
	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 Volu	ume:		(uL)
	C	ONCENTRATION UNITS:			
CAS NO.	COMPOUND (L	ig/L or ug/Kg) UG/L		Q	
1330-20-7	(m+p)Xylene		10	U	7

AS NO.	COIVII COIVE (49- 01 49-14)		
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.

Lab Name:	CAS-RO	СН	Contract: URS	TRIPBL	
Lab Code: Matrix: (soil/ Sample wt/v Level: (low/) % Moisture:	10145 water) \(\frac{1}{2} \) ol: \(\frac{1}{2} \) med) \(\frac{1}{2} \) not dec.	Case No.: R6-3277 WATER 5.0 (g/ml) ML OW	Lab Sample Lab File ID: Date Receiv	ved: 07/20/06 zed: 07/26/06	100
GC Column: Soil Extract		(uL)	Soil Aliquot	Volume:	(uL)
Number TIC	s found:		g/L or ug/Kg) UG		×
CAS NO.		COMPOUND	RT	EST. CONC.	Q

EPA SAMPLE NO.

RW01

Lab Name:	CAS-RC	осн	Contract: URS		
Lab Code:	10145	Case No.: R6-32770	SAS No.:S	DG No.: MW100	_
Matrix: (soil/	water)	WATER	Lab Sample ID:	924044 1.0	
Sample wt/ve		5.0 (g/ml) ML	Lab File ID:	B8465.D	
Level: (low/r		LOW	Date Received:	07/24/06	
% Moisture:			Date Analyzed:	07/27/06	
GC Column:		1D: 0.32 (mm)	Dilution Factor:	1.0	
Soil Extract		(uL)	Soil Aliquot Vol	ume:	(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

Ka8/14/a

EPA SAMPLE NO.

Lab Name: CAS-ROCH Contract: URS	RV	W01
Lab Code: 10145	SDG No.: N	
Matrix: (soil/water) WATER Lab Sample	ID: <u>924044 1.</u>	0
Sample wt/vol: 5.0 (g/ml) ML Lab File ID:	B8465.D	
outilities to the same of the	ed: 07/24/06	
Data Applyar	ed: 07/27/06	
76 Willstale, Not dec.		
Soil Extract Volume (uL) Soil Aliquot		(uL
CONCENTRATION UNIT	TS:	
CAS NO. COMPOUND (ug/L or ug/Kg) UG/I	<u>L</u>	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

1,2,4-Trichlorobenzene

120-82-1

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: CAS-	ROCH	Contract: URS	KVV	
Lab Code: 10145		2770 SAS No.:	SDG No.: MW	100
Matrix: (soil/water)	WATER	Lab Sample	e ID: 924044 1.0	
Sample wt/vol:	5.0 (g/ml) ML	Lab File ID	: B8465.D	
Level: (low/med)	LOW	Date Recei	ved: 07/24/06	
% Moisture: not ded	·	Date Analy	zed: 07/27/06	
GC Column: DB6	24 ID: 0.32 (mm)	Dilution Fa	ctor: 1.0	
Soil Extract Volume	(uL)	Soil Aliquo	t Volume:	(uL)
		CONCENTRATION UN		
Number TICs found	:	(ug/L or ug/Kg) UG	5/L	
CAS NO.	COMPOUND	RT	EST. CONC.	Q

EPA SAMPLE NO.

RW02

Lab Name:	CAS-RC	OCH	Contract: URS	
Lab Code:	10145	Case No.: R6-32770	SAS No.:S	DG No.: MW100
Matrix: (soil/v	water)	WATER	Lab Sample ID:	924045 1.0
Sample wt/vo		5.0 (g/ml) ML	Lab File ID:	B8466.D
Level: (low/r		LOW	Date Received:	07/24/06
% Moisture:			Date Analyzed:	07/27/06
GC Column:		4 ID: 0.32 (mm)	Dilution Factor:	1.0
Soil Extract		(uL)	Soil Aliquot Vol	ume: (uL)

AS NO.	COMPOUND (ug/L or ug/Kg)	JG/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

EPA SAMPLE NO.

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Lab Name:	CAS-R	OCH	Contract: UI	RS	, RW	UZ
Lab Code:			32770 SAS No.:	SI	OG No.: MV	N100
Matrix: (soil			Lab S	ample ID:	924045 1.0	
Sample wt/\			Lab F	ile ID:	B8466.D	
Level: (low				Received:		
% Moisture:			Date /	Analyzed:	07/27/06	
		4 ID: <u>0.32</u> (mm)	Dilutio	n Factor:	1.0	
		(uL)	Soil A	liquot Volu	ime:	(
			CONCENTRATIO	N UNITS:		
CAS N	0.	COMPOUND		UG/L		Q
1330	-20-7	(m+p)Xylene			10	U
95-47		o-Xylene			10	U
100-4		Styrene			10	U
98-82		Isopropylbenzene			10	U
79-34		1,1,2,2-Tetrachlor			10	U
541-7		1,3-Dichlorobenze			10	U
106-4		1,4-Dichlorobenze			10	U
95-50		1,2-Dichlorobenze	ne		10	U
00.00						

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

96-12-8

120-82-1

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPI	LE NO
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Lab Name:	CAS-RO	ОСН			Contrac	ct: 1	URS		RVVU2	
Lab Code:	10145		Case No.: R6-	32770	SAS	No.:	s	DG No.:	MW100)
Matrix: (soil/	water)	WATER	2			Lab	Sample ID:	924045	1.0	
Sample wt/v	ol:	5.0	(g/ml) ML			Lab	File ID:	B8466.E)	
Level: (low/		LOW				Date	Received:	07/24/06	6	
% Moisture:						Date	Analyzed:	07/27/0	6	
GC Column		ID:	0.32 (mm)			Dilui	tion Factor:	1.0		
Soil Extract	Volume		(uL)			Soil	Aliquot Volu	ıme:		(uL)
				CON	CENT	RATI	ON UNITS:			
Number TIC	s found:	0		(ug/L	or ug/l	Kg)	UG/L			
CAS NO.	-	COMP	POUND				RT E	ST. CON	c.	Q

EPA SAMPLE NO.

RW03

Lab Name:	CAS-RC	OCH	Contract:	URS .		
Lab Code:	10145	Case No.: R6-32770	SAS No.	.: s	DG No.: MW100)
Matrix: (soil/	water)	WATER	Lab	Sample ID:	924046 1.0	
Sample wt/v	ol:	5.0 (g/ml) ML	Lab	File ID:	B8467.D	
Level: (low/		LOW	Dat	e Received:	07/24/06	
% Moisture:			Dat	te Analyzed:	07/27/06	
GC Column:		4 ID: 0.32 (mm)	Dilu	ution Factor:	1.0	
Soil Extract		(uL)	Soi	I Aliquot Volu	ıme:	(uL

AS NO.	COMPOUND (ug/L or ug/Kg)	JG/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

EPA SAMPLE NO.

10

Lab Name: CAS-ROCH Contract: URS Lab Code: Description: MN Matrix: (soil/water) WATER Lab Sample ID: 924046 1.0	V100
	_
IVIALITY. (SOII/Water)	
Sample wovoi.	
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

1,2,4-Trichlorobenzene

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMPI	LE NO
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Lab Name:	CAS-RO	осн			Contract:	URS	R	W03	
Lab Code:	10145		Case No.:	R6-32770	SAS No	o.:	SDG No.:	MW100	
Matrix: (soil/	water)	WATE	R_		La	b Sample	ID: 924046 1	.0	
Sample wt/v	ol:	5.0	(g/ml)	ML	La	b File ID:	B8467.D		
Level: (low/	med)	LOW			Da	ite Receiv	ed: 07/24/06		
% Moisture:	not dec.				Da	ite Analyz	ed: 07/27/06		
GC Column:	DB624	ID:	0.32 (1	mm)	Di	ution Fac	tor: 1.0		
Soil Extract	Volume		(uL)		So	il Aliquot	Volume:		(uL)
•					NCENTRA'				
Number TIC	s found:	0		(ug/	L or ug/Kg) <u>UG/</u>			
CAS NO.		COME	POUND			RT	EST. CONO		Q

EPA SAMPLE NO.

Lab Name:	CAS-RO	OCH		Contract:	URS		
Lab Code:	10145		Case No.: R6-32770	SAS No	o.: S	DG No.: MW100	
Matrix: (soil/	water)	WATER	₹	La	b Sample ID:	924047 1.0	
Sample wt/v		5.0	(g/ml) ML	La	b File ID:	B8468.D	
Level: (low/		LOW		Da	te Received:	07/24/06	
% Moisture:				Da	te Analyzed:	07/28/06	
GC Column:		4 ID:	0.32 (mm)	Dil	ution Factor:	1.0	
Soil Extract		•	(uL)	So	il Aliquot Volu	ıme:	(uL)

AS NO.	COMPOUND (ug/L or ug/Kg)	<u> </u>	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

EPA SAMPLE NO.

EFF

Lab Name:	CAS-RC	ОСН	Contract: URS		
Lab Code:	10145	Case No.: R6-3277	0 SAS No.:	SDG No.: M	W100
Matrix: (soil/	water)	WATER	Lab Samp	le ID: 924047 1.0	
Sample wt/v		5.0 (g/ml) ML	Lab File II	D: B8468.D	
Level: (low/		LOW	Date Rece	eived: 07/24/06	
% Moisture:			Date Anal	yzed: 07/28/06	
GC Column:		4 ID: 0.32 (mm)	Dilution F	actor: 1.0	
Soil Extract		(uL)	Soil Alique	ot Volume:	(uL)
	-	cc	NCENTRATION U	NITS:	
CAS N	0.	COMPOUND (ug	/L or ug/Kg) U	G/L	Q
1000	20.7	(m.t.n)Vidono		10	U

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.

Lab Name:	CAS-RO	ОСН		(Contract	t: URS			EFF	
Lab Code:	10145		Case No.:	R6-32770	SASI	No.:	_ s	DG No.:	MW100)
Matrix: (soil/	water)	WATER	₹		L	ab Sampl	e ID:	924047	1.0	
Sample wt/v	ol:	5.0	(g/ml)	ML	L	ab File ID):	B8468.D		
Level: (low/	med)	LOW				Date Rece	ived:	07/24/06	3	
% Moisture:	not dec.					Date Analy	zed:	07/28/06	3	
GC Column:	DB624	ID:	0.32 (m	nm)		Dilution Fa	ctor:	1.0		
Soil Extract	Volume		(uL)		8	Soil Aliquo	t Vol	ume:		(uL)
Number TIC	s found:	0			CENTR or ug/K	ATION UN	NITS: S/L			
CAS NO.		COMP	OUND			RT	E	ST. CON	c.	Q

EPA SAMPLE NO.

Lab Name: CAS-RO	OCH (Contract: URS	M	W10S	
	Case No.: R6-32770		DG No.:	MW100	·
		Lab Sample ID:			
Matrix: (soil/water)					
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		
		Dilution Factor:	1.0		
	ID: <u>0.32</u> (mm)				
Soil Extract Volume	(uL)	Soil Aliquot Volu	ıme:		(uL)
		CENTRATION 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-Trif	fluoroeth	10	U	
67-64-1	Acetone	·	10	U	
75-35-4	1,1-Dichloroethene		10	U	
79-20-9	Methyl Acetate		10	U	
	Methylene chloride		10	U	
75-09-2 75-15-0	Carbon disulfide		10	U	
	Methyl tert-Butyl Ether		18	J	Trad,
1634-04-4	trans-1,2-Dichloroethene		10	U	7
156-60-5 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	
10061-01-5	trans-1,3-Dichloroproper		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	
127-10-4	I CH GOINGIOCHICHE		10		

1,2-Dibromoethane Chlorobenzene

Ethylbenzene

127-18-4

106-93-4

108-90-7 100-41-4 U

U

U

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EPA SAMPLE NO.

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Lab Name:	CAS-RC	осн	Contract: URS		MW10S		
Lab Code:	10145	Case No.: R6-32770	SAS No.:	SI	DG No.:	MW100	
Matrix: (soil/	water)	WATER	Lab S	ample ID:	924048	1.0	
Sample wt/v	ol:	5.0 (g/ml) ML	Lab F	le ID:	B8469.E)	
Level: (low/	med)	LOW	Date I	Received:	07/24/06	3	
% Moisture:			Date /	Analyzed:	07/28/06	3	
GC Column:	DB624	ID: 0.32 (mm)	Dilutio	n Factor:	1.0		
Soil Extract Volume		(uL)	Soil A	liquot Volu	me:		(uL
		CO	NCENTRATIO	N UNITS:		. 11	
CAS NO	o	COMPOUND (ug/	L or ug/Kg)	UG/L		Q	
1330-	20-7	(m+p)Xylene			10	U	
95-47	-6	o-Xylene			10	U	
100-4	2-5	Styrene			10	U	
98-82-	-8	Isopropylbenzene			10	U	
79-34		1,1,2,2-Tetrachloroetha	ine		10	U	
541-7		1,3-Dichlorobenzene			10	U	
106-4		1.4-Dichlorobenzene			10	U	

1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

1,2-Dibromo-3-chloropropane

95-50-1

96-12-8

120-82-1

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Lab Name: C	AS-RO	СН	-		Con	tract:	URS		IV	100105	
Lab Code: 10	0145	c	ase No.:	R6-327	70 S	AS No	o.:	SE	G No.:	MW10	0
Matrix: (soil/wa	ter)	WATER	_			La	b Sample I	D:	924048	1.0	
Sample wt/vol:	-	5.0	_ (g/ml)	ML		La	b File ID:	_	B8469.E)	
Level: (low/me	d)	LOW	_			Da	te Receive	ed: _	07/24/06	3	
% Moisture: not	dec.					Da	te Analyze	d: _	07/28/06	3	
GC Column:	DB624	1D: _0	.32 (m	ım)		Dil	ution Facto	or: _	1.0		
Soil Extract Vol	ume _		(uL)			So	il Aliquot V	/olui	me:		(uL)
				С	ONCEN	ITRA	TION UNIT	S:			
Number TICs fo	ound: _	0		(ı	ıg/L or ι	ıg/Kg)	UG/L				
CAS NO.		СОМРО	UND				RT	ES	T. CON	3 .	Q

EPA SAMPLE NO.

MW10D

Lab Name:	CAS-RC	CH		Contract:	URS		
Lab Code:	10145		Case No.: R6-32770	SAS No	.: s	DG No.: MW10	0
Matrix: (soil/	water)	WATE	R	Lat	Sample ID:	924049 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	Lal	File ID:	B8480.D	
Level: (low/i		LOW		Da	te Received:	07/24/06	
% Moisture:				Da	te Analyzed:	07/28/06	
GC Column:	DB624	ID:	0.32 (mm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		(uL)	So	il Aliquot Volu	ume:	(uL)

COMPOUND

CAS NO.

CONCENTRATION UNITS:

(ug/L or ug/Kg)

UG/L

75-71-8	Dichlorodifluoromethane	0.6	J	Kashula
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	

EPA SAMPLE NO.

Lab Name:	CAS-RO	осн	Contract: U	RS	MVV	עטו
Lab Code:	10145	Case No.: R6-327	770 SAS No.:	s	DG No.: M	W100
Matrix: (soil/	water)	WATER	Lab S	sample ID:	924049 1.0	
Sample wt/v	ol:	5.0 (g/ml) ML	Lab F	ile ID:	B8480.D	
Level: (low/i	med)	LOW	Date	Received:	07/24/06	
% Moisture:	not dec.		Date	Analyzed:	07/28/06	
GC Column:	DB624	4 ID: 0.32 (mm)	Dilutio	on Factor:	1.0	
Soil Extract Volume		(uL)	Soil A	liquot Volu	ime:	(1
CAS NO) .		ONCENTRATIC			Q
1330-2	20-7	(m+p)Xylene			10	U
95-47-	6	o-Xylene			10	U
100-42	2-5	Styrene			10	U
98-82-	8	Isopropylbenzene			10	U
79-34-	5	1,1,2,2-Tetrachloroet	hane		10	U
541-73	3-1	1,3-Dichlorobenzene			10	U
106-46	3-7	1,4-Dichlorobenzene			10	U
95-50-	1	1,2-Dichlorobenzene			10	U
96-12-	8	1,2-Dibromo-3-chloro	propane		10	U

1,2,4-Trichlorobenzene

120-82-1

1E VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

MW10D Contract: URS Lab Name: CAS-ROCH SAS No.: SDG No.: MW100 Case No.: R6-32770 Lab Code: 10145 Lab Sample ID: 924049 1.0 WATER Matrix: (soil/water) 5.0 (g/ml) ML Lab File ID: B8480.D Sample wt/vol: LOW Date Received: 07/24/06 Level: (low/med) Date Analyzed: 07/28/06 % Moisture: not dec. Dilution Factor: 1.0 GC Column: DB624 ID: 0.32 (mm) Soil Extract Volume ____ (uL) (uL) Soil Aliquot Volume: **CONCENTRATION UNITS:** (ug/L or ug/Kg) UG/L Number TICs found:

COMPOUND

CAS NO.

RT

EST. CONC.

Q

EPA SAMPLE NO.

TRIP BLK2

Lab Name:	CAS-RC	OCH		Contract:	URS		
Lab Code:	10145	Cas	e No.: R6-327	70 SAS No	o.: s	DG No.: MW100)
Matrix: (soil/	water)	WATER		La	b Sample ID:	924050 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	La	b File ID:	B8429.D	
Level: (low/	med)	LOW		Da	te Received:	07/24/06	
% Moisture:	not dec.			Da	te Analyzed:	07/26/06	
GC Column:	DB624	ID: 0.3	2 (mm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		(uL)	So	il Aliquot Vol	ume:	(uL)

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

EPA SAMPLE NO.

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ab Name:	CAS-RC	осн	Contract: UI	RS	TRIP	BLK2
ab Code:			0 SAS No.:	s	DG No.: M	W100
Matrix: (soil/			Lab S	ample ID:	924050 1.0)
		5.0 (g/ml) ML	_ Lab Fi	ile ID:	B8429.D	
Level: (low/			Date F	Received:	07/24/06	
% Moisture:			Date A	Analyzed:	07/26/06	
GC Column:	DB624	ID: 0.32 (mm)	Dilutio	n Factor:	1.0	
		(uL)	Soil A	liquot Volu	ume:	
		CC	NCENTRATIO	N UNITS:		
CAS NO	0.	COMPOUND (ug	/L or ug/Kg)	UG/L		Q
1330-	20-7	(m+p)Xylene			10	U
95-47		o-Xylene			10	U
100-4	2-5	Styrene			10	U
98-82	-8	Isopropylbenzene			10	U
79-34		1,1,2,2-Tetrachloroeth	ane		10	U
541-7		1,3-Dichlorobenzene			10	U
106-4		1,4-Dichlorobenzene			10	U
95-50	-1	1,2-Dichlorobenzene			10	U

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

96-12-8

120-82-1

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VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO. TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS-RO	ОСН		Contract:	URS	TR	IP BLK2	2
Lab Code:	10145		Case No.: R6-	32770 SAS No	.: s	DG No.:	MW100)
Matrix: (soil/	water)	WATER		Lat	Sample ID:	924050	1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	Lat	File ID:	B8429.0)	
Level: (low/	med)	LOW		Dat	e Received:	07/24/06	3	
% Moisture:	not dec.			Dat	e Analyzed:	07/26/06	3	
GC Column:	DB624	ID:	0.32 (mm)	Dilu	ution Factor:	1.0		
Soil Extract	Volume _		(uL)	Soi	l Aliquot Volu	ıme:	,	(uL)
				CONCENTRAT	ION UNITS:			
Number TICs	s found:	0		(ug/L or ug/Kg)	UG/L			
CASNO		COMP	OLINID		DT E	T CON		

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	SMC1	SMC2	SMC3	TOT
	SAMPLE NO.	#	#	#	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
10	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

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.	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

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_	_			-		•	_

EPA SAMPLE NO.

VBLK1 Lab Name: CAS-ROCH Contract: URS Lab Code: 10145 Case No.: R6-32770 SAS No.: SDG No.: MW100 WATER Matrix: (soil/water) Lab Sample ID: 929100 1.0 5.0 Sample wt/vol: (g/ml) ML Lab File ID: B8425.D LOW Level: (low/med) Date Received: % Moisture: not dec. Date Analyzed: 07/26/06 GC Column: DB624 ID: 0.32 (mm) Dilution Factor: 1.0 Soil Extract Volume Soil Aliquot Volume: (uL)

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	Ü
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	
100-41-4	Ethylbenzene	10	U

EPA SAMPLE NO.

_ab Name:	CAS-RC	СН		Contract: URS	VBERT
_ab Code:	10145	c	ase No.: R6-32770	SAS No.:	SDG No.: MW100
Matrix: (soil/w	vater)	WATER		Lab Sample I	D: 929100 1.0
Sample wt/vo	ol:	5.0	(g/ml) ML	Lab File ID:	B8425.D
_evel: (low/m	ned)	LOW	_	Date Receive	d:
% Moisture: n	ot dec.			Date Analyze	d: 07/26/06
GC Column:	DB624	ID: 0	.32 (mm)	Dilution Facto	or: 1.0
Soil Extract V	olume _		(uL)	Soil Aliquot V	olume: (uL

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

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VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA	SAMP	LE NO
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Lab Name:	CAS-BC)CH		Contrac	t: URS		VBL	K1
				Transport				
Lab Code:	10145		Case No.: R6-3	32770 SAS	No.:	১	DG No.: MV	V100
Matrix: (soil/v	vater)	WATER	₹		Lab Sam	ple ID:	929100 1.0	
Sample wt/vo	ol:	5.0	(g/ml) ML		Lab File I	D:	B8425.D	
Level: (low/n	ned)	LOW			Date Rec	eived:		
% Moisture: r	not dec.		 		Date Ana	lyzed:	07/26/06	
GC Column:	DB624	ID:	0.32 (mm)		Dilution F	actor:	1.0	
Soil Extract V	/olume _		(uL)	:	Soil Aliqu	ot Volu	ıme:	(uL)
Number TICs	found:	0		CONCENTR (ug/L or ug/h				
CAS NO.		COMP	OUND		RT	ES	ST. CONC.	Q

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	LAB	LAB	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	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

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EPA SAMPLE NO.

VBLK2

Lab Name:	CAS-RO	OCH			Contract:	URS		
Lab Code:	10145		Case No.:	R6-32770	SAS No	.: s	DG No.: MW10	0
Matrix: (soil/	water)	WATER	2		Lal	Sample ID:	929115 1.0	
Sample wt/vo	ol:	5.0	(g/ml)	ML	Lal	File ID:	B8453.D	
Level: (low/r	med)	LOW	_		Da	te Received:		
% Moisture:	not dec.				Da	te Analyzed:	07/27/06	
GC Column:	DB624	1D:	0.32 (m	nm)	Dile	ution Factor:	1.0	
Soil Extract \	√olume .		(uL)		Soi	l Aliquot Volu	ıme:	(uL)

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

EPA SAMPLE NO.

VBLK2

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Lab Name:	CAS-RO	OCH	Contract: URS	_	
Lab Code:	10145	Case No.: R6-3277	SAS No.:	SDG No.: N	MW100
Matrix: (soil/	water)	WATER	Lab Sample II	D: <u>929115 1</u> .	.0
Sample wt/v	ol:	5.0 (g/ml) ML	Lab File ID:	B8453.D	
Level: (low/	med)	LOW	Date Received	d:	
% Moisture:	not dec.		Date Analyzed	d: 07/27/06	
GC Column:	DB624	ID: <u>0.32</u> (mm)	Dilution Facto	r: 1.0	
Soil Extract	Volume _	(uL)	Soil Aliquot Ve	olume:	(uL)
7.		СО	NCENTRATION UNITS	S:	
CAS NO	D .	COMPOUND (ug.	L or ug/Kg) UG/L		Q
1330-2	20-7	(m+p)Xylene		10	U
95-47-	-6	o-Xylene		10	U
100-42	2-5	Styrene		10	U
98-82-	-8	Isopropylbenzene		10	U

1,1,2,2-Tetrachloroethane

1,2-Dibromo-3-chloropropane

1,3-Dichlorobenzene

1,4-Dichlorobenzene 1,2-Dichlorobenzene

1,2,4-Trichlorobenzene

79-34-5 541-73-1

106-46-7

95-50-1 96-12-8

120-82-1

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VOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO. TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: CAS-ROCH	Contract: URS VBLK2
Lab Code: 10145 Case No.: R6-32	770 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
CAS NO. COMPOUND	RT EST. CONC. Q

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

EPA SAMPLE NO.

VBLK3

	Lab Name:	CAS-R	ЭСН		Contract: URS	_ VDERO
4	Lab Code:	10145		Case No.: R6-32770	SAS No.:	SDG No.: MW100
	Matrix: (soil/	water)	WATER	3	Lab Sample ID:	926034 1.0
	Sample wt/vo	ol:	5.0	(g/ml) ML	Lab File ID:	B8479.D
	Level: (low/r	ned)	LOW		Date Received:	
	% Moisture:	not dec.			Date Analyzed:	07/28/06
	GC Column:	DB624	4_ ID:	0.32 (mm)	Dilution Factor:	1.0
	Soil Extract \	/olume		(uL)	Soil Aliquot Vol	ume: (u

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
	Ethylbenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK3

Lab Name:	CAS-RO	OCH		Contract:	URS	- 152.00	
Lab Code:	10145		Case No.: R6-32770	SAS No	.: s	DG No.: MW10	0
Matrix: (soil/	water)	WATE	2	Lat	Sample ID:	926034 1.0	
Sample wt/ve	ol:	5.0	(g/ml) ML	Lat	File ID:	B8479.D	
Level: (low/r	med)	LOW		Dat	te Received:		
% Moisture:	not dec.			Dat	te Analyzed:	07/28/06	
GC Column:	DB624	ID:	0.32 (mm)	Dili	ution Factor:	1.0	
Soil Extract \	/olume		(uL)	Soi	l Aliquot Volu	ıme:	(uL)

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 EPA SAMPLE NO. TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	CAS-RC	СН		Contrac	: URS		VBLK	.3
Lab Code:	10145	Ca	se No.: R6-32	770 SAS	No.:	SDG No	o.: MW	100
Matrix: (soil/	water)	WATER	-12	L	ab Sampl	e ID: 9260	34 1.0	
Sample wt/ve	ol:	5.0	(g/ml) ML		ab File ID	: B847	9.D	
Level: (low/r	med)	LOW			ate Recei	ved:		
% Moisture:	not dec.				ate Analy	zed: 07/28	3/06	
GC Column:	DB624	ID: 0	32 (mm)		Dilution Fa	ctor: 1.0		
Soil Extract \	/olume _		_ (uL)	8	oil Aliquo	Volume:		(uL)
				CONCENTRA (ug/L or ug/K				
Number TICs	s found:	0	_	T				
CAS NO.		COMPO	JND		RT	EST. CO	NC.	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

	SPIKE ADDED	MSD CONCENTRATION	MSD %	%	QC I	LIMITS
COMPOUND	(ug/L)	(ug/L)	REC#	RPD#	RPD	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:

OLM4.2

EPA SAMPLE NO.

MW05S MS

Lab Name:	CAS-RC	OCH	Contract: URS	14144022 1412
Lab Code:	10145	Case No.: R6-3277	70 SAS No.:S	DG No.: MW100
Matrix: (soil/	water)	WATER	Lab Sample ID:	929123 1.0
Sample wt/v	ol:	5.0 (g/ml) ML	Lab File ID:	B8463.D
Level: (low/r	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 Volu	ıme: (uL

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

EPA SAMPLE NO.

Lab Name:	CAS-RC	осн	Contract: U	RS	MWO	5S MS
Lab Code:	10145	Case No.: R6-32	2770 SAS No.:	s	DG No.: N	IW100
Matrix: (soil/	water)	WATER	Lab S	sample ID:	929123 1.0	0
Sample wt/v	ol:	5.0 (g/ml) ML	Lab F	ile ID:	B8463.D	
Level: (low/	med)	LOW	Date	Received:	07/20/06	
% Moisture:	not dec.		Date	Analyzed:	07/27/06	
GC Column:	DB624	1 ID: 0.32 (mm)	Dilutio	on Factor:	1.0	
Soil Extract	Volume	(uL)	Soil A	liquot Volu	ıme:	(ı
			CONCENTRATIO	N UNITS:		
CAS NO	Э.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q
1330-	20-7	(m+p)Xylene			10	U
95-47-	-6	o-Xylene			10	U
100-43	2-5	Styrene	1		10	U
98-82-	-8	Isopropylbenzene	•		10	U
79-34-	-5	1,1,2,2-Tetrachloroe	ethane		10	U
541-73	3-1	1,3-Dichlorobenzen	е		10	U
106-46	6-7	1,4-Dichlorobenzen	е		10	U
95-50-	-1	-1,2-Dichlorobenzen	B in which was require an experience interpretation interpretation communications	Manua description per	10	U
96-12	.8	1.2-Dibromo-3-chlor	ropropane		10	11

1,2,4-Trichlorobenzene

120-82-1

EPA SAMPLE NO.

MW05S MSD

Lab Name:	CAS-RO	OCH			Contract:	URS	14144033 14131	
Lab Code:	10145		Case No.:	R6-32770	SAS No	o.: S	DG No.: MW100	
Matrix: (soil/	water)	WATE	R_		Lai	b Sample ID:	929124 1.0	
Sample wt/v	ol:	5.0	(g/ml)	ML	Lal	b File ID:	B8464.D	
Level: (low/	med)	LOW	·		Da	te Received:	07/20/06	
% Moisture:	not dec.				Da	te Analyzed:	07/27/06	
GC Column:	DB624	ID:	0.32 (n	nm)	Dil	ution Factor:	1.0	
Soil Extract \	Volume		(uL)		So	il Aliquot Volu	ıme:	(uL)

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

EPA SAMPLE NO.

MW05S MSD

Lab Name:	CAS-RC	СН			Contract	: <u>L</u>	JRS	10100	000	MOL	
Lab Code:	10145		ase No.: R6	3-32770	SAS	No.:	s	DG No.:	MV	V100	
Matrix: (soil/	water)	WATER			L	ab S	Sample ID:	929124	1.0		
Sample wt/v	ol:	5.0	(g/ml) M	L	L	ab F	File ID:	B8464.[
Level: (low/	med)	LOW				ate	Received:	07/20/0	6		
% Moisture:	not dec.					ate	Analyzed:	07/27/0	6		
GC Column:	DB624	ID:	0.32 (mm))		oiluti	on Factor:	1.0			
Soil Extract	Volume		(uL)		8	oil A	Aliquot Volu	ıme:			(uL)
				CON	CENTR	ATIC	ON UNITS:				
CAS NO	D.	COM	POUND	(ug/L	or ug/K	g)	UG/L			Q	
4220	20.7	/m.i	n)Vulana					10		11	

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

Matrix Spike - EPA Sample No.: VBLK1

	SPIKE	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %	QC LIMITS
COMPOUND	(ug/L)	(ug/L)	(ug/L)	REC#	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: 97

EPA SAMPLE NO.

VBLK1MS

Lab Name:	CAS-RC	CH			Contract:	URS		
Lab Code:	10145		Case No.:	R6-32770	SAS No	o.: s	DG No.: MW100)
Matrix: (soil/	water)	WATE	R		Lal	b Sample ID:	929101 1.0	
Sample wt/vo	ol:	5.0	(g/ml)	ML	Lal	b File ID:	B8428.D	
Level: (low/r	ned)	LOW			Da	te Received:		
% Moisture:	not dec.				Da	te Analyzed:	07/26/06	
GC Column:	DB624	ID:	0.32 (m	nm)	Dil	ution Factor:	1.0	
Soil Extract \	/olume		(uL)		So	il Aliquot Volu	ıme:	(uL)

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

EPA SAMPLE NO.

10

10

U

Lab Name:	CAS-RC	ОСН	Contract: UI	RS	VBLK	TIVIS	
Lab Code:	10145	Case No.: R6-3	2770 SAS No.:	SE	OG No.: M	N100	
Matrix: (soil/	water)	WATER	Lab S	ample ID:	929101 1.0		
Sample wt/v	ol:	5.0 (g/ml) ML	Lab F	ile ID:	B8428.D		
Level: (low/	med)	LOW	Date I	Received:			
% Moisture:	not dec.		Date /	Analyzed:	07/26/06		
GC Column	DB624	ID: 0.32 (mm)	Dilutio	n Factor:	1.0		
Soil Extract	Volume .	(uL)	Soil A	liquot Volu	me:		(uL
			CONCENTRATIO	N UNITS:			
CAS NO	0.	COMPOUND	(ug/L or ug/Kg)	UG/L		Q	
1330-	20-7	(m+p)Xylene			10	U	
95-47	-6	o-Xylene			10	U	
100-4	2-5	Styrene			10	U	
98-82	-8	Isopropylbenzene			10	U	
79-34	-5	1,1,2,2-Tetrachlor	pethane		10	U	
541-7		1,3-Dichlorobenze	ne		10	U	
106-4		1,4-Dichlorobenze	ne		10	U	
05.50	_1	1.2-Dichlorobenze	ne		10	11	

1,2-Dibromo-3-chloropropane

1,2,4-Trichlorobenzene

96-12-8

120-82-1

3A WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CAS-ROCH Contract: URS

Matrix Spike - EPA Sample No.: VBLK2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC#	LIM RE	ITS
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:

EPA SAMPLE NO.

VBLK2MS

Lab Name:	CAS-RO	ОСН		Contract:	URS	VBLRZIVIS	
Lab Code:	10145	Cas	se No.: R6-327	70 SAS No	o.: s	SDG No.: MW100)
Matrix: (soil/	water)	WATER		La	b Sample ID:	929116 1.0	
Sample wt/v	ol:	5.0	(g/ml) ML	La	b File ID:	B8454.D	
Level: (low/	med)	LOW		Da	te Received:		
% Moisture:	not dec.			Da	ite Analyzed:	07/27/06	
GC Column:	DB624	ID: 0.3	2 (mm)	Dil	ution Factor:	1.0	
Soil Extract	Volume		(uL)	So	il Aliquot Vol	ume:	(uL)

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

EPA SAMPLE NO.

Lab Name:	CAS-RC	CH		Contract: URS		VDLIVE	
Lab Code:	10145		Case No.: R6-32770	SAS No.:	_ SD	G No.: MW	100
Matrix: (soil/	water)	WATE	R	Lab Samp	le ID: 9	29116 1.0	_
Sample wt/v	ol:	5.0	(g/ml) ML	Lab File II	D: <u>E</u>	38454.D	
Level: (low/i	med)	LOW		Date Rece	eived: _		
% Moisture:	not dec.			Date Anal	yzed: 0	7/27/06	
GC Column:	DB624	ID:	0.32 (mm)	Dilution Fa	actor: 1	.0	
Soil Extract	Volume		(uL)	Soil Alique	ot Volum	ne:	(uL
			COI	NCENTRATION U	NITS:		

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

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:

EPA SAMPLE NO.

VBLK3MS

Lab Name:	CAS-RO	OCH			Contract:	URS		
Lab Code:	10145		Case No.:	R6-32770	SAS No	o.: s	DG No.: MW10	0
Matrix: (soil/	water)	WATE	₹		Lai	b Sample ID:	926035 1.0	
Sample wt/vo	ol:	5.0	(g/ml)	ML	Lal	b File ID:	B8478.D	
Level: (low/r	ned)	LOW			Da	te Received:		
% Moisture:	not dec.				Da	te Analyzed:	07/28/06	
GC Column:	DB624	ID:	0.32 (m	nm)	Dil	ution Factor:	1.0	
Soil Extract \	/olume		(uL)		So	il Aliquot Volu	ıme:	(uL

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

EPA SAMPLE NO.

VBLK3MS

Lab Name:	CAS-ROCH		Contract: URS	, VDEIXOIIIO
Lab Code:	10145	Case No.: R6-32770	SAS No.:	SDG No.: MW100
Matrix: (soil/	water) W/	ATER	Lab Sam	ple ID: 926035 1.0
Sample wt/ve	ol: 5.0	(g/ml) ML	Lab File	ID: B8478.D
Level: (low/r	med) LO	W	Date Red	ceived:
% Moisture:	not dec.		Date Ana	alyzed: 07/28/06
GC Column:	DB624	ID: <u>0.32</u> (mm)	Dilution F	actor: 1.0
Soil Extract \	Volume	(uL)	Soil Aliqu	uot Volume: (uL

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK **BROMOFLUOROBENZENE (BFB)**

Contract: URS Lab Name: CAS-ROCH SAS No.: SDG No.: MW100 Case No.: R6-32770 10145 Lab Code: BFB Injection Date: 07/25/06 B8411.D Lab File ID: BFB Injection Time: 17:20 Instrument ID: MSVOA5 GC Column: DB624 ID: 0.32 (mm) Heated Purge: (Y/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)
174	50.0 - 120.0% of mass 95	74.0
175	4.0 - 9.0% of mass 174	5.6 (7.6)
176	93.0 - 101.0% of mass 174	72.8 (98.4)
177	5.0 - 9.0% of mass 176	4.9 (6.7)

1-Value is % mass 174 2-Value is % mass 176

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME
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 I	No.: MW100
Lab File ID:	B8422.D			BF	B Injection Date:	07/26/06
Instrument ID	: MSVOA5			BF	B Injection Time:	10:11
GC Column:	DB624 I	D: 0.32	(mm)	Не	ated 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)
174	50.0 - 120.0% of mass 95	77.5
175	4.0 - 9.0% of mass 174	5.8 (7.5)
176	93.0 - 101.0% of mass 174	74.5 (96.2)
177	5.0 - 9.0% of mass 176	4.8 (6.4)

1-Value is % mass 174 2-Value is % mass 176

	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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

	EPA	LAB	LAB	DATE	TIME
	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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)
174	50.0 - 120.0% of mass 95	73.2
175	4.0 - 9.0% of mass 174	5.4 (7.4)
176	93.0 - 101.0% of mass 174	71.0 (97.0)
177	5.0 - 9.0% of mass 176	4.7 (6.6)2

1-Value is % mass 174

2-Value is % mass 176

ſ	EPA	LAB	LAB	DATE	TIME
-	SAMPLE NO.	SAMPLE ID	FILE ID	ANALYZED	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
1	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
1	LOWER LIMI	114339	9.73	572505	11.55	606388	17.05
	EPA SAMPLE NO.						
1	VBLK2	226911	9.23	1175913	11.04	1218065	16.55
2	VBLK2MS	220701	9.23	1194023	11.05	1233120	16.55
3	MW07D	224680	9.23	1150330	11.04	1193597	16.55
4	MW09D	211949	9.23	1141105	11.05	1205489	16.55
5	MW09S	219462	9.22	1154378	11.05	1215476	16.55
3	MW110	216008	9.22	1132098	11.04	1158027	16.56
7	MW02	217601	9.23	1105968	11.05	1163357	16.55
3	MW01	214710	9.22	1116498	11.05	1187705	16.55
9	MW05D	213210	9.22	1104606	11.04	1152705	16.55
0	MVV04	217273	9.22	1113000	11.04	1178151	16.55
1	MW05S MS	212222	9.23	1091359	11.04	1152669	16.55
2	MW05S MSD	211177	9.22	1075797	11.04	1175439	16.54
3	RW01	202162	9.21	1085096	11.04	1099064	16.55
1	RW02	208861	9.22	1085448	11.03	1139009	16.55
5	RW03	203765	9.22	1084630	11.04	1141971	16.54
3	EFF	205675	9.22	1087550	11.04	1132724	16.54
7	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 .

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Contract: URS CAS-ROCH Lab Name:

SDG No.: MW100 Case No.: R6-32770 SAS No .: 10145 Lab Code:

Date Analyzed: 07/28/06 B8477.D Lab File ID (Standard):

Time Analyzed: 11:47 Instrument ID: MSVOA5

N ID: 0.32 Heated Purge: (Y/N) GC Column: DB624 (mm)

	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.						
VBLK3MS	222507	9.22	1125003	11.04	1152656	16.55
VBLK3	215915	9.22	1096295	11.04	1147540	16.55
MW10D	214676	9.22	1135564	11.04	1163044	16.55
MVV03	208045	9.22	1129835	11.04	1144214	16.55
MW07S	215905	9.22	1138652	11.04	1162068	16.54

Bromochloromethane 151 1,4-Difluorobenzene IS2 153 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.

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^{*} 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

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- 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 μ g/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.

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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 $0.8~J~\mu g/L$. 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

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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

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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

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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.