report.hw241031.2005-09-01.RIFS.Remedial.Investigation.Report.Addendum.pdf

REMEDIAL INVESTIGATION/ FEASIBILITY STUDY PROJECT

REMEDIAL INVESTIGATION REPORT ADDENDUM

WORK ASSIGNMENT D003825-37.2

KLIEGMAN BROTHERS SITE
GLENDALE

SITE NO. 2-41-031
QUEENS (C), NY

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York

Denise M. Sheehan, Acting Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

URS Corporation
77 Goodell Street
Buffalo, New York 14203

DRAFT
September 2005

G34852

REMEDIAL INVESTIGATION REPORT ADDENDUM

KLIEGMAN BROS. SITE
SITE #2-41-031
GLENDALE, NEW YORK

Prepared For:

NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
WORK ASSIGNMENT D003825-37

DRAFT

Prepared By:

URS CORPORATION GROUP CONSULTANTS
77 GOODELL STREET
BUFFALO, NEW YORK 14203

SEPTEMBER 2005

KLIEGMAN BROS. SITE

REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

TABLES
(Following Text)

FIGURES
(Following Tables)

APPENDICES
(Following Figures)

1.0 INTRODUCTION

The Kliegman Brothers site is situated in a densely populated urban mixed-use residential/light-commercial setting in the City of New York, Queens County, New York (Figure 1-1). It was used as a warehouse and distribution center for laundry and dry-cleaning supplies from the 1950s through the 1990s. The site contained two 6,000-gallon above ground storage tanks (ASTs), which were used to store tetrachloroethene (PCE). The tanks have been removed from the property. In 1999, the New York State Department of Environmental Conservation (NYSDEC) classified the site as "2" on its Registry of Inactive Hazardous Waste Sites. Under the State Superfund Standby Contract, Work Assignment D003825-37, URS Corporation (URS) was tasked to perform a Remedial Investigation/Feasibility Study (RI/FS). URS issued a *Remedial Investigation Report* in February 2004. Because the plume was not fully characterized, additional monitoring wells were installed in order to further delineate the extent of groundwater contamination. This RI Addendum report summarizes the results of the additional fieldwork.

1.1 Purpose of Report

The purpose of this Remedial Investigation (RI) Addendum report is to present, summarize, and interpret data gathered during the additional field activities, herein called Phase 3. The Phase 3 field activities performed from May to June 2005 included monitoring well installation, analytical testing of groundwater samples, and a survey of site features and sampling points.

The specific objective of the Phase 3 RI was to:

- Install groundwater monitoring wells and collect data to determine the horizontal extent of groundwater contamination and contaminant migration on-site and off-site.

1.2 Site Description and History

The Kliegman Brothers Site is located at 76-01 77th Avenue in Queens County, New York. It is designated as lots 91 and 92 in tax map block 3803. The site is bordered to the north by the Long Island Railroad. Residences border the site to the east, west and south. The site has

an area of approximately 37,000 square feet, of which 26,000 is occupied by a building (Figure 1-2). A basement exists under the western portion of the building.

The site was formerly owned by Kliegman Bros. Inc. The site was used as a warehouse and distribution center for laundry and dry-cleaning supplies from the 1950s through the 1990s. The site contained two 6,000 gallon above ground storage tanks (ASTs) which were used to store PCE. The tanks have since been removed from the property. Although these tanks are the presumed source of contamination, it is unknown if, and when, product was released or, whether contamination was due to a single catastrophic release or a chronic leak problem. Kliegman Bros. ceased operation in 1999. The site was purchased by Aris Foods, Inc. in 2000 and is currently being used as a warehouse for an imported food distributor. Known contamination at the site is unrelated to Aris Foods operations.

1.3 Report Organization

Site background information, including a discussion of previous investigations, is provided in Section 1.4. The scope of work and the methods and procedures used during the field investigations are summarized in Section 2.0. The physical characteristics, including a detailed discussion of the site geology and hydrogeology and a discussion of analytical testing results is provided in Section 3.0. A summary of findings and conclusions drawn from the investigation are presented in Section 4.0. The report consists of text followed by tables and figures. Supporting documentation and analytical data are included as appendices.

1.4 Previous Investigations

Soil, groundwater and/or soil gas sampling has been performed at the site from 1997 through 2003. Results of these investigations are discussed in the *Remedial Investigation Report* (URS, February 2004, Final).

2.0 REMEDIAL INVESTIGATION FIELD ACTIVITIES

The field activities conducted during Phase 3 of this RI were conducted between May 10, 2005 and June 3, 2005. The following activities were conducted:

- Installation and development of eight new groundwater table monitoring wells
- Groundwater level measurements
- Collection of groundwater samples in the eight new wells and in 16 existing wells for VOC analysis.
- Survey of locations and elevations of the new monitoring wells.

2.1 Phase 3 Monitoring Well Installation/Development

Eight monitoring wells (MW-17D, MW-18D, MW-19D, MW-20D, MW-21D, MW-22D, MW-23D and MW-24D) were installed during Phase 3 of this groundwater investigation at the site. All eight wells were installed into the top of the regional groundwater. Well locations are shown on Figure 2-1. All wells were installed similarly to those in the first two phases, using 4-¼ inch inner diameter (ID) hollow-stem auger (HSA) drilling methods. Two-foot long split-spoon samples were obtained at five foot intervals and the samples were screened with a PID and logged by a geologist. All wells were constructed with two-inch, Schedule 40, polyvinyl chloride (PVC) pipe with a 10-feet long screened interval set to straddle the water table surface. The slot size of the screen is 0.010 inches. The wells were packed with #0 sand to a depth of two feet above the screened interval. Two to three feet of bentonite was placed above the sand pack and allowed to hydrate. The remainder of each hole was grouted to the surface and manholes were installed at grade. Final depths ranged from 69 to 75 feet below ground surface (bgs). Boring logs and Well Construction Diagrams are included in Appendices A and B, respectively.

All of the new wells were later developed using a Waterra Hydrolift II pump, foot valve, and a surge block. Development logs are included in Appendix C.

2.2 Groundwater Sampling

Following the completion of the Phase 3 drilling, a round of groundwater sampling was conducted on June 14 through 16, 2005. Wells were purged using low-flow sampling techniques with a Grundfos pump and a flow-through cell until parameters stabilized. Purge logs are included in Appendix D. Samples were collected from each of the newly installed wells and 16 of the 18 existing onsite and offsite wells. Monitoring Wells MW-10D and MW-10H were not sampled because they were partially obstructed by new asphalt paving. All samples collected were analyzed for volatile organic compounds (VOCs). Samples were placed on ice and shipped overnight to Mitkem Corporation, Warwick, Rhode Island.

2.3 Groundwater Elevation Monitoring Round

Groundwater elevations were measured in the monitoring wells over a 24-hour period on June 14 and 15, 2005. Groundwater elevations are provided on Table 2-1.

2.4 Site Survey and Mapping

Following the field activities, the new monitoring wells were surveyed for horizontal and vertical location. Horizontal coordinates are based on the New York State Plane Coordinate System, North American Datum of 1983, Long Island. Elevations are based on the North American Vertical Datum of 1988 (mean sea level or msl). Surveyed locations and elevations of the monitoring wells are provided in Table 2-1.

2.5 Data Validation and Data Usability Summary Reports

The data packages were prepared by the laboratory in accordance with the NYSDEC's Analytical Services Protocol (ASP) Category B Deliverable requirements and reviewed for compliance with the applicable methods. Qualifications applied to the sample results included 'U' (undetected), 'J' (estimated value due to quality control QC outliers or concentration below the quantitation limit) and 'UJ' (estimated quantitation limit) following the guidelines presented in United States Environmental Protection Agency (USEPA) Region II *Contract Laboratory Program (CLP) Organic Data Review, SOP No. HW-6,* Rev. 11, June 1996. A Data Usability

Summary Report (DUSR) was prepared following the guidelines provided in NYSDEC Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated 1999. Data validation summary tables are provided in the DUSR in Appendix E.

2.6 Investigation-Derived Waste Characterization and Disposal

Investigation-derived waste (IDW) generated as part of the Phase 3 field investigation included decontamination fluids, well development and purge water, drilling cuttings, personal protective equipment (PPE), and high density polyethylene (HDPE) tubing. Decontamination and well development water and drilling cuttings were containerized in 55-gallon drums. The decontamination fluids and drilling cuttings were manifested as non-hazardous waste and disposed by Fenley and Nicol Environmental, Inc. of Deer Park, New York. HDPE tubing, PPE and plastic sheeting were disposed of as non-hazardous waste by Fenley and Nicol. Waste Manifest forms are provided in Appendix F.

3.0 RESULTS OF THE PHASE 3 INVESTIGATION

This section discusses the results of the Phase 3 investigation of groundwater in the vicinity of the Kliegman Brothers site.

3.1 Geology and Hydrogeology

3.1.1 Site Geology

Subsurface data from the eight additional shallow water table wells confirms the site geology determined from previous investigations. In general, beneath a fill layer (concrete or asphalt underlain by reworked native materials) of variable thickness (up to two feet), brown loose to dense, fine to coarse silty sand to sandy silt with localized sandy clay seams is present to depths of approximately 10 feet bgs. This is underlain by brown loose to dense, fine to coarse sand with variable amounts of fine to coarse gravel to depths of at least 75 feet bgs. This unit appears to correlate to the Upper Pleistocene glacial deposits and the more recent Holocene deposits. Beneath the eastern portion of the site, a brown silty clay layer, with variable amounts of sand was penetrated in borings MW-01S, MW-06S, MW-07D/MW-13H, MW-16D drilled during previous phases.

3.1.2 Site Hydrogeology

The regional groundwater table occurs at the site at approximately 70 feet bgs within the upper glacial aquifer. However, perched groundwater is present in several wells above the clay layer in the eastern portion of the site. Measurements of groundwater elevations from the expanded network of monitoring wells were used to develop updated groundwater contour maps and generally determine the site-specific direction of groundwater flow in the perched groundwater zone, the water table aquifer, and the deeper groundwater zone approximately 30- to 40-feet below the water table. The data are summarized in Table 2-1. Perched water is present in the eastern portion of the site at depths of 10-12 feet bgs. Water is perched on top of a silty clay layer of varying thickness, dipping slightly to the west and pinching out at a point east of well MW-04D. Although the perched aquifer pinches out, a low permeability lens produces wet (though not saturated) conditions in other nearby wells such as MW-14D, MW-17D, and MW-

21D. Figures 3-1 shows groundwater elevations and flow direction in the perched zone on June 14, 2005. The groundwater flow direction in the perched water zone is towards the northwest at gradient of 0.01 feet/feet. Data from previous monitoring rounds has shown perched groundwater to also flow to the south. This variability may be the result of seasonal changes in precipitation.

In the shallow regional groundwater zone, groundwater measurements collected on June 14-15, 2005 (Figure 3-2) indicate that the water table gradient is generally to the north and northeast near the Kliegman Brothers Building, with a groundwater divide existing to the southwest. It should be noted that several onsite wells could not be monitored in June 2005 because they have been partially covered by asphalt. Groundwater flows presented in the August 2003 RI report have shown variable flow directions with groundwater flowing to the north and south during different monitoring rounds. This variability may be the result of seasonal fluctuations in the water table due to changes in precipitation.

A groundwater elevations contour map of the deeper groundwater zone (approximately 30- to 40-feet below the water table), is not provided because there is insufficient data from the June 14-15, 205 monitoring round. Little to no discernible vertical hydraulic gradient was observed at paired deep and shallow groundwater wells MW-12H and MW-04D.

3.2 Groundwater Results

Groundwater was sampled June 14-16, 2005. All samples were analyzed for TCL volatiles. The groundwater results are presented for the perched groundwater unit, water table, and deeper (approximately 30 to 40 feet below the water table) groundwater zones as applicable. Analytical data summary tables are presented in each section for each groundwater zone. Complete data validation summary tables can be found in the DUSR in Appendix E. For characterization purposes, the analytical data summary tables include the NYSDEC Class GA groundwater criteria.

3.2.1 Perched Groundwater Results-June 2005

There are five monitoring wells at the site screened to observe groundwater contamination in the perched water zone. They are MW-01, MW-01S, MW-06S, MW-08S, and

MW-09S. Table 3-1 summarizes the analytical results for this round of sampling. Table 3-2 presents a statistical summary of this round of sampling.

Figure 3-3 depicts the VOCs reported at concentrations above NYS Class GA groundwater criteria. MW-08S and MW-09S, located south\of the site, reported no compounds detected above NYS Class GA groundwater criteria. These wells were found to be upgradient of the site during the June 2005 sampling. In most wells, PCE was by far the most common contaminant, with the highest concentrations at MW-01. MW-01 also exhibited high concentrations of breakdown products trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2-DCE). MW-01 is located at the location of a former petroleum underground storage tank (URS) and hydrocarbons from the former UST, acting as electron donors, would explain the uniquely high proportion of PCE degradation products in this well.

3.2.2 Shallow Water-Table Groundwater Results – June 2005

A total of 17 shallow water table monitoring wells were sampled for the June 2005 sampling event. Groundwater results indicate widespread PCE contamination across the area. Table 3-3 summarizes the analytical results and a statistical summary provided in Table 3-4. Figure 3-4 depicts the organic compounds reported at concentrations above NYS Class GA groundwater criteria. The highest concentration of PCE in the June 2005 sampling event was detected in MW-04D (75,000 µg/L), which is located south of the source area. The results are consistent with previous sampling events. Comparison with previous water elevation data shows that the groundwater flow direction at the site is seasonally variable with an essentially flat hydraulic gradient.

PCE concentrations generally decrease in all directions away from the source area. However, attenuation is much less to the south. The main axis of the contamination plume is oriented north-south from the source area as indicated by the elevated PCE concentrations (Figures 3-5). The groundwater contamination plume is reasonably well delineated east of the site, as the comparison of PCE results to total VOCs shows the greater presence of breakdown products. However, 1,1,1-trichloroethane (1,1,1-TCA) is not a breakdown product related directly to PCE. The highest concentration of 1,1,1-TCA was detected at MW-07D suggesting perhaps, another potential source in this area. The horizontal extent of the groundwater plume is

generally delineated west and north of the site, however the full extent of the plume is still unknown south of the site.

Compared to samples collected earlier, concentrations found in the 2005 sampling in the shallow water table wells near the source increased from their already very high 2003 levels, yet the wells further from the source decreased as summarized in the following table:

µg/L	April 2003 PCE Concentrations	June 2005 PCE Concentrations
MW-02D	15,000	2,600
MW-03D	22,000	43,000
MW-04D	69,000	75,000
MW-05D	15,000	31,000
MW-07D	1,100	1,200
MW-11D	3,500	920
MW-14D	75,000	40,000
MW-15D	400	310
MW-16D	350	350

3.2.3 Deep Groundwater Results – June 2005

Only monitoring wells MW-12H and MW-13H were sampled during June 2005 due to denial of access to the OU1 well MW-10H. Analytical results are summarized in Table 3-5. No PCE was detected in these wells; however, breakdown products were detected. Only 1,1,1-TCA was reported at a concentration above NYS Class GA groundwater criteria at MW-13H. Figure 3-6 summarizes the analytical results. Table 3-6 presents a statistical summary of the analytical results. The PCE concentration previously found (in 2003) in MW-12H of 240 µg/L was no longer observed.

4.0 SUMMARY AND CONCLUSIONS

The purpose of Phase 3 of the RI was to further delineate the horizontal extent of contaminated groundwater in the regional water table aquifer associated with past activities at the Kliegman Brothers site. Previous investigations indicated that contamination existed in the site soils on-site and in the groundwater, both on-site and off-site.

The field activities associated with Phase 3 consisted of the drilling and development of eight shallow water table monitoring wells, the sampling of all of the site's accessible wells, groundwater level measurements, and the surveying of the new wells for locations and elevations.

4.1 Geology/Hydrogeology

The stratigraphic sequence in the vicinity of the site includes the following units from the surface down: 1) a fill layer up to two feet thick generally consisting of concrete and asphalt mixed with regraded materials; 2) a brown loose to dense silty sand/sandy silt with fine to coarse sand seams, mixed with fine gravel up to a depth of approximately 10 feet; 3) a brown silty clay layer interbedded with sandy seams and silty clay; and 4) a fine to coarse sand mixed with silt and variable amounts of gravel. Together, these units are a part of the Upper Pleistocene and Holocene glacial deposits.

The regional groundwater table occurs in the vicinity of the site at approximately 70 feet bgs within the upper glacial aquifer. Perched groundwater is present above a clay layer in the eastern portion of the site at a depth of approximately 10 feet bgs.

Groundwater in the perched zone exhibited a shallow horizontal hydraulic gradient towards the northwest during the Phase 3 sampling. Compared with data colleted during previous monitoring rounds, the flow direction in the perched zone has been variable, possibly due to seasonal variations in precipitation.

In the shallow groundwater zone (i.e., regional groundwater table), groundwater measurements in monitoring wells indicate a flow direction to the north, with a groundwater divide to the southwest of the site. Compared with data colleted during previous monitoring

rounds, groundwater flow has been observed to be variable, possibly as a result of seasonal variations in precipitation. Previous monitoring showed flow mainly to the south, and when considering just the Phase 1 and 2 wells, flow is still to the south. Inclusion of the newly installed Phase 3 wells, however, indicates overall flow to the north, at least during the June 2005 sampling event. Although flow was found to be to the north (i.e. from areas distant from the site towards the site itself), URS does not interpret the contamination in the new, more southern, wells to be from another source, as discussed further below in Section 4.2.2. It is important to note that flow gradients discussed above are on the order of magnitude of tenths of a foot over hundreds of feet horizontal distance. Not only are these very shallow gradients, but slight variations in the accuracy of the surveying of the new monitoring well elevations between Phases 1/2 and 3 (performed by different survey subcontractors) could distort the interpretation of the gradient direction. Overall, the gradient is essentially flat.

4.2 Contamination Assessment

Groundwater has been sampled in each of three phases as part of the remedial investigation. Nine wells were sampled in the off-site area in October 2002, seventeen wells were sample in both the on-site and off-site area in April 2003, and twenty-four wells were sampled in the off-site area in June 2005. All samples were analyzed for TCL volatiles. Three groundwater zones were monitored including the perched zone, the water table zone, and deeper groundwater up to approximately 30- to 40-feet below the water table. Chlorinated VOCs were detected immediately south and north of the site at concentrations above NYS Class GA criteria. These compounds included 1,1,1-TCA, 1,1,2-trichloroethane (1,1,2-TCA), 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), 1,2-dichloroethane (1,2-DCA), carbon tetrachloride, chloroform, cis-1,2-DCE, PCE, and TCE. The primary contaminant is PCE.

4.2.1 Perched Groundwater

Five perched zone wells (MW-01, MW-01S, MW-06S, MW-08S, and MW-09S) were sampled in the off-site area in June 2005. Chlorinated VOCs were detected immediately south and north of the site at concentrations above NYS Class GA criteria. These compounds included 1,1,1-TCA, 1,1,2-TCA, 1,1-DCA, 1,1-DCE, 1,2-DCA, carbon tetrachloride, chloroform, cis-1,2-DCE, PCE, and TCE.

4.2.2 Water Table Groundwater

Seventeen shallow (water table) zone wells [nine existing (MW-02D, MW-03D, MW-04D, MW-05D, MW-07D, MW-11D, MW-14D, MW-15D, MW-16D), and 8 new (MW-17D, MW-18D, MW-19D, MW-20D, MW-21D, MW-22D, MW-23D, and MW-24D)] were sampled in the off-site area in June 2005. Analytical results from the June 2005 sampling events indicate widespread PCE contamination at and in the vicinity of the site. The highest reported concentrations of PCE were observed just south of the site at MW-04D. PCE concentrations generally decrease in all directions away from the site. Other compounds detected at concentrations above NYS Class GA criteria include 1,1,1-TCA, 1,1-DCA, 1,1-DCE, 1,2-DCA, benzene, carbon tetrachloride, chloroform, cis-1,2-DCE, methyl tert-butyl ether (MTBE), TCE, and trichlorofluoromethane. The main axis of the plume is oriented north-south from the on-site source area. Although no water table wells were non-detect for PCE, the horizontal extent of the plume is reasonably well delineated north, east, and west of the site. The plume is not completely delineated south of the site. However, concentrations in the southern most wells (MW-19D and MW-23D) were significantly lower than the wells closer to the site along the north-south axis of the plume. This suggests that while the groundwater table appears to be essentially flat, the gradient must on average drop towards the south.

PCE concentrations in wells nearest to the source area (MW-03D, MW-04D, MW-05SD) all increased in concentration between 2003 and 2005, with PCE concentrations doubling in two of these wells. Paradoxically, very high concentrations in wells just beyond these (i.e. MW-02D, MW-11D, and MW-14D) decreased in concentration.

A Soil Vapor Extraction (SVE) system has been operating in the source area since summer 2004, and has extracted tens of thousands of pounds of PCE over the past year. That groundwater concentrations near the source increased at the same time that such large masses of contamination were removed from the vadose zone suggests that a very large source of PCE remained in this zone, at least during the period between the 2003 sampling events and the 2004 startup of the SVE system.

4.2.3 Deep Groundwater

Two deep zone wells (MW-12H and MW-13H) were sampled in the off-site area in June 2005. 1,1,1-TCA was reported at concentrations above NYS Class GA groundwater criteria in monitoring well MW-13H.

4.3 Conclusion

The objective of the Phase 3 of the RI was to delineate the horizontal extent of the groundwater plume. The plume had been reasonably delineated to the north and east during previous phases (with both well MW-11D to the north and MW-16D to the east below 1 mg/L PCE). Phase 3 installed new wells south and west of the site. The new wells installed west of the site were (MW-20D, MW-21D and MW-22D) together with the existing eastern well MW-15D, all had PCE at concentrations less than 1 mg/L (though all had PCE in the hundreds of µg/L). The additional monitoring wells MW-19D and MW-23D suggest the PCE contamination extends beyond 78th Avenue to the south. Additionally, contamination may extend east of 78th Street based on the high PCE concentration detected in the southeastern most well MW-17D. Similarly, contamination may extend north of Cooper Ave. based on continued detection of PCE in MW-11D, although concentrations in that well dropped significantly (from 3,500 g/L to 920 µg/L) between 2003 and 2005.

The groundwater flow gradient observed during the June 2005 sampling was from the south to the north in both the perched and groundwater table zones. However, the gradient was very shallow. Based on groundwater contaminant distribution patterns, it is assumed that the flow direction fluctuates with the season and with meteorological events. In particular, the data do not suggest that there is an additional PCE source south of the site, since the highest PCE concentrations are found on or near the site.

TABLES

TABLE 2-1
GROUNDWATER LEVEL MEASUREMENTS
KLIEGMAN BROTHERS SITE

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Specific Gravity	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-01 MNW	196712.330	1019357.740	80.02	80.02	79.19	P	0	6/14/2005 1445	11.16	68.03	0.00	68.03	
MW-03D MNW	196749.410	1019146.310	80.98	80.98	80.39	W	0	6/14/2005 1600	64.11	16.28	0.00	16.28	
MW-04D MNW	196622.720	1019197.440	80.56	80.56	79.92	W	0	6/14/2005 1455	63.49	16.43	0.00	16.43	
MW-05D MNW	196677.450	1019126.680	80.61	80.61	80.06	W	0	6/14/2005 1555	63.61	16.45	0.00	16.45	
MW-06S MNW	196661.600	1019320.560	80.16	80.16	79.59	P	0	6/14/2005 1440	11.99	67.60	0.00	67.60	
MW-07D MNW	196739.580	1019580.250	78.91	78.91	78.50	W	0	6/14/2005 1413	62.09	16.41	0.00	16.41	
MW-08S MNW	196739.000	1019577.320	79.02	79.02	78.61	P	0	6/14/2005 1411	9.43	69.18	0.00	69.18	
MW-09S MNW	196554.130	1019468.820	80.28	80.28	79.93	P	0	6/14/2005 1435	10.34	69.59	0.00	69.59	
MW-11D MNW	196990.688	1019263.573	82.25	82.32	81.94	W	0	6/14/2005 1900	65.32	16.62	0.00	16.62	
MW-12H MNW	196625.892	1019204.525	80.43	80.47	80.12	H	0	6/14/2005 1450	63.72	16.40	0.00	16.40	
MW-13H MNW	196744.265	1019582.631	78.89	78.89	78.55	H	0	6/14/2005 1415	62.18	16.37	0.00	16.37	
MW-14D MNW	196483.572	1019189.372	81.29	81.34	81.09	W	0	6/14/2005 1500	64.80	16.29	0.00	16.29	

NM - No Measurement

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

Geologic Zone:

H	Hydropunch
P	Perched Aquifer
W	Water Table Aquifer

Type:

MNW	Monitoring Well

Filter = (((tblGWD.LOGDATE Like "*/*/2005")) AND ((Not tblGWD.STATDEP="70.99"))

Printed: 9/29/2005 10:13:49 AM
N:\11171964.00000\DB\Program\EDMS.mde\Groundwater Level

TABLE 2-1
GROUNDWATER LEVEL MEASUREMENTS
KLIEGMAN BROTHERS SITE

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Specific Gravity	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-15D MNW	196750.204	1018929.387	82.33	82.33	81.37	W	0	6/14/2005 1550	64.93	16.44	0.00	16.44	
MW-16D MNW	196798.866	1019808.424	78.86	78.92	78.57	W	0	6/14/2005 1420	61.99	16.58	0.00	16.58	
MW-17D MNW	196411.893	1019471.682	82.40	82.40	81.57	W	0	6/14/2005 1429	64.67	16.90	0.00	16.90	
MW-18D MNW	196205.544	1018998.082	88.24	88.24	87.93	W	0	6/15/2005 1200	71.02	16.91	0.00	16.91	
MW-19D MNW	196043.421	1019048.904	87.48	87.48	86.96	W	0	6/14/2005 1528	70.00	16.96	0.00	16.96	
MW-20D MNW	196052.447	1018821.917	86.21	86.21	85.93	W	0	6/14/2005 1520	69.16	16.77	0.00	16.77	
MW-21D MNW	196590.918	1018883.064	84.88	84.88	84.44	W	0	6/15/2005 1230	67.12	17.32	0.00	17.32	
MW-22D MNW	196192.993	1018778.037	85.35	85.35	85.07	W	0	6/14/2005 1515	68.13	16.94	0.00	16.94	
MW-23D MNW	196031.937	1019331.283	84.82	84.82	84.55	W	0	6/14/2005 1510	67.50	17.05	0.00	17.05	
MW-24D MNW	196382.812	1019218.335	83.12	83.12	82.61	W	0	6/14/2005 1506	65.22	17.39	0.00	17.39	

NM - No Measurement

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

Geologic Zone:

H	Hydropunch
P	Perched Aquifer
W	Water Table Aquifer

Type:

MNW	Monitoring Well

TABLE 3-1
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS (JUNE 2005)
PERCHED GROUNDWATER ZONE
KLIEGMAN BROTHERS SITE

Location ID			MW-01	MW-01S	MW-06S	MW-08S	MW-09S
Sample ID			MW-01	MW-01S	MW-06S	MW-08S	MW-09S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/16/05	06/15/05	06/16/05	06/16/05	06/15/05
Parameter	**Units**	**Criteria***					
Volatiles							
1,1,1-Trichloroethane	UG/L	5	8 J	2 J		2 J	
1,1,2-Trichloroethane	UG/L	1	2 J				
1,1-Dichloroethane	UG/L	5	7 J				
1,1-Dichloroethene	UG/L	5	6 J				
1,2-Dichloroethane	UG/L	0.6	4 J				
Benzene	UG/L	1	1 J				
Carbon tetrachloride	UG/L	5	6 J	5 J			
Chloroform	UG/L	7	74				2 J
cis-1,2-Dichloroethene	UG/L	5	6,000 D		17		
Methyl tert-butyl ether	UG/L	10			2 J	1 J	
Methylene chloride	UG/L	5	2 J				
Tetrachloroethene	UG/L	5	5,300 D	320 DJ	200 D		
Trichloroethene	UG/L	5	560 D		2 J	2 J	
Vinyl chloride	UG/L	2	1 J				
1,2-Dichloroethene (trans)	UG/L	-	1 J				

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, Revised April 2000, Class GA.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

Blank = Not Detected. J = Estimated concentration detected below quantitation limit. D = Result reported from a diluted analysis.

Only Detected Results Reported.

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 9/29/2005 9:32:44 AM
[LOGDATE] >= #6/14/2005# AND ([LOCID] = 'MW-01' OR [LOCID] LIKE 'MW-*S')

TABLE 3-2
STATISTICAL SUMMARY OF VOCs DETECTED IN THE PERCHED GROUNDWATER ZONE (JUNE 2005)
KLIEGMAN BROTHERS SITE

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Volatiles									
1,1,1-Trichloroethane	UG/L	5	5	3	2.00	8.00	4.00	1	MW-01
1,1,2-Trichloroethane	UG/L	1	5	1	2.00	2.00	2.00	1	MW-01
1,1-Dichloroethane	UG/L	5	5	1	7.00	7.00	7.00	1	MW-01
1,1-Dichloroethene	UG/L	5	5	1	6.00	6.00	6.00	1	MW-01
1,2-Dichloroethane	UG/L	0.6	5	1	4.00	4.00	4.00	1	MW-01
Benzene	UG/L	1	5	1	1.00	1.00	1.00	1	MW-01
Carbon tetrachloride	UG/L	5	5	2	5.00	6.00	5.50	2	MW-01
Chloroform	UG/L	7	5	2	2.00	74.00	38.00	1	MW-01
cis-1,2-Dichloroethene	UG/L	5	5	2	17.00	6,000	3,009	2	MW-01
Methyl tert-butyl ether	UG/L	10	5	2	1.00	2.00	1.50	0	MW-06S
Methylene chloride	UG/L	5	5	1	2.00	2.00	2.00	0	MW-01
Tetrachloroethene	UG/L	5	5	3	200.0	5,300	1,940	3	MW-01
Trichloroethene	UG/L	5	5	3	2.00	560.0	188.0	1	MW-01
Vinyl chloride	UG/L	2	5	1	1.00	1.00	1.00	0	MW-01
1,2-Dichloroethene (trans)	UG/L	-	5	1	1.00	1.00	1.00	0	MW-01

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, Revised April 2000, Class GA.

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 3-3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS (JUNE 2005)
SHALLOW GROUNDWATER ZONE
KLIEGMAN BROTHERS SITE

Location ID			MW-02D	MW-03D	MW-04D	MW-05D	MW-07D
Sample ID			MW-02D	MW-03D	MW-04D	MW-05D	MW-07D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/15/05	06/16/05	06/16/05	06/16/05	06/16/05
Parameter	Units	Criteria*					
Volatiles							
1,1,1-Trichloroethane	UG/L	5	5 J	66	110	66	910 D
1,1,2-Trichloroethane	UG/L	1					
1,1-Dichloroethane	UG/L	5					100
1,1-Dichloroethene	UG/L	5	2 J	14	25	13	280 D
1,2-Dichloroethane	UG/L	0.6					
Benzene	UG/L	1					2 J
Carbon tetrachloride	UG/L	5	2 J	11	20	9 J	43
Chloroform	UG/L	7		1 J	4 J	2 J	13
cis-1,2-Dichloroethene	UG/L	5	3 J	4 J	16	6 J	52
Methyl tert-butyl ether	UG/L	10		1 J	3 J	2 J	
Tetrachloroethene	UG/L	5	2,600 D	43,000 D	75,000 D	31,000 D	1,200 D
Toluene	UG/L	5		1 J	4 J	2 J	
Trichloroethene	UG/L	5	3 J	35	51	44	530 D
Trichlorofluoromethane	UG/L	5					35

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, Revised April 2000, Class GA.

Flags assigned during chemistry validation are shown.

( ) Concentration Exceeds Criteria

Blank = Not Detected. J = Estimated concentration detected below quantitation limit. D = Result reported from a diluted analysis.

Only Detected Results Reported.

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 9/29/2005 9:36:11 AM
[LOGDATE] >= #6/14/2005# AND [LOCID] LIKE 'MW-*D'

TABLE 3-3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS (JUNE 2005)
SHALLOW GROUNDWATER ZONE
KLIEGMAN BROTHERS SITE

Location ID			MW-11D	MW-14D	MW-15D	MW-16D	MW-17D
Sample ID			MW-11D	MW-14D	MW-15D	MW-16D	MW-17D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/14/05	06/16/05	06/16/05	06/15/05	06/15/05
Parameter	**Units**	**Criteria***					
Volatiles							
1,1,1-Trichloroethane	UG/L	5	4 J	54 J	2 J	190	150
1,1,2-Trichloroethane	UG/L	1		1 J			
1,1-Dichloroethane	UG/L	5				45	8 J
1,1-Dichloroethene	UG/L	5		14 J		72	56
1,2-Dichloroethane	UG/L	0.6					7 J
Benzene	UG/L	1					
Carbon tetrachloride	UG/L	5	2 J	11 J		49	46
Chloroform	UG/L	7		3 J		13	9 J
cis-1,2-Dichloroethene	UG/L	5		19 J	7 J	15	16
Methyl tert-butyl ether	UG/L	10		9 J		5 J	
Tetrachloroethene	UG/L	5	920 D	40,000 D	310 D	350 D	8,400 D
Toluene	UG/L	5		4 J			
Trichloroethene	UG/L	5	2 J	31 J	44	640 D	86
Trichlorofluoromethane	UG/L	5				39	4 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, Revised April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank = Not Detected. J = Estimated concentration detected below quantitation limit. D = Result reported from a diluted analysis.

Only Detected Results Reported.

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 9/29/2005 9:36:11 AM
[LOGDATE] >= #6/14/2005# AND [LOCID] LIKE 'MW-*D'

TABLE 3-3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS (JUNE 2005)
SHALLOW GROUNDWATER ZONE
KLIEGMAN BROTHERS SITE

Location ID			MW-18D	MW-19D	MW-20D	MW-21D	MW-22D
Sample ID			MW-18D	MW-19D	MW-20D	MW-21D	MW-22D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/15/05	06/15/05	06/16/05	06/15/05	06/15/05
Parameter	**Units**	**Criteria***					
Volatiles							
1,1,1-Trichloroethane	UG/L	5	12	4 J			
1,1,2-Trichloroethane	UG/L	1					
1,1-Dichloroethane	UG/L	5					
1,1-Dichloroethene	UG/L	5	2 J				
1,2-Dichloroethane	UG/L	0.6					
Benzene	UG/L	1					
Carbon tetrachloride	UG/L	5	2 J	1 J			
Chloroform	UG/L	7			1 J		
cis-1,2-Dichloroethene	UG/L	5	4 J	2 J	8 J	10	1 J
Methyl tert-butyl ether	UG/L	10	3 J	140		1 J	
Tetrachloroethene	UG/L	5	5,700 D	2,300 D	370 D	300 D	190 D
Toluene	UG/L	5					
Trichloroethene	UG/L	5	19	5 J	28 J	19	3 J
Trichlorofluoromethane	UG/L	5					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, Revised April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

Blank = Not Detected. J = Estimated concentration detected below quantitation limit. D = Result reported from a diluted analysis.

Only Detected Results Reported.

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 9/29/2005 9:36:11 AM
[LOGDATE] >= #5/14/2005# AND [LOCID] LIKE 'MW-*D'

TABLE 3-3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS (JUNE 2005)
SHALLOW GROUNDWATER ZONE
KLIEGMAN BROTHERS SITE

Location ID			MW-23D	MW-24D
Sample ID			MW-23D	MW-24D
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/15/05	06/16/05
Parameter	**Units**	**Criteria***		
Volatiles				
1,1,1-Trichloroethane	UG/L	5	10	37
1,1,2-Trichloroethane	UG/L	1		
1,1-Dichloroethane	UG/L	5		
1,1-Dichloroethene	UG/L	5	5 J	10
1,2-Dichloroethane	UG/L	0.6	1 J	
Benzene	UG/L	1		
Carbon tetrachloride	UG/L	5	7 J	9 J
Chloroform	UG/L	7	3 J	3 J
cis-1,2-Dichloroethene	UG/L	5	8 J	15
Methyl tert-butyl ether	UG/L	10		29
Tetrachloroethene	UG/L	5	3,400 D	21,000 D
Toluene	UG/L	5		1 J
Trichloroethene	UG/L	5	10	21
Trichlorofluoromethane	UG/L	5		

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, Revised April 2000, Class GA.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

Blank = Not Detected. J = Estimated concentration detected below quantitation limit. D = Result reported from a diluted analysis.

Only Detected Results Reported.

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 9/29/2005 9:36:11 AM
[LOGDATE] >= #6/14/2005# AND [LOCID] LIKE 'MW-*D'

TABLE 3-4
STATISTICAL SUMMARY OF VOCs DETECTED IN THE SHALLOW GROUNDWATER ZONE (JUNE 2005)
KLIEGMAN BROTHERS SITE

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Volatiles									
1,1,1-Trichloroethane	UG/L	5	17	14	2.00	910.0	115.7	11	MW-07D
1,1,2-Trichloroethane	UG/L	1	17	1	1.00	1.00	1.00	1	MW-14D
1,1-Dichloroethane	UG/L	5	17	3	8.00	100.0	51.00	3	MW-07D
1,1-Dichloroethene	UG/L	5	17	11	2.00	280.0	44.82	9	MW-07D
1,2-Dichloroethane	UG/L	0.6	17	2	1.00	7.00	4.00	2	MW-17D
Benzene	UG/L	1	17	1	2.00	2.00	2.00	1	MW-07D
Carbon tetrachloride	UG/L	5	17	13	1.00	49.00	16.31	9	MW-16D
Chloroform	UG/L	7	17	10	1.00	13.00	5.20	3	MW-07D
cis-1,2-Dichloroethene	UG/L	5	17	16	1.00	52.00	11.63	11	MW-07D
Methyl tert-butyl ether	UG/L	10	17	9	1.00	140.0	21.44	2	MW-19D
Tetrachloroethene	UG/L	5	17	17	190.0	7.50E+04	1.39E+04	17	MW-04D
Toluene	UG/L	5	17	5	1.00	4.00	2.40	0	MW-04D
Trichloroethene	UG/L	5	17	17	2.00	640.0	92.41	14	MW-16D
Trichlorofluoromethane	UG/L	5	17	3	4.00	39.00	26.00	2	MW-16D

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, Revised April 2000, Class GA.

Concentration Exceeds Criteria

Only Detected Results Reported.

N:\11171964.00000\DB\Program\Stat.mde
Printed: 9/29/2005 9:55:40 AM
WHERE [LOGDATE] >= #6/14/2005# AND [LOCID] LIKE 'MW-*D';

TABLE 3-5
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS (JUNE 2005)
DEEP GROUNDWATER ZONE
KLIEGMAN BROTHERS SITE

Location ID			MW-12H	MW-13H
Sample ID			MW-12H	MW-13H
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			06/16/05	06/16/05
Parameter	Units	Criteria*		
Volatiles				
1,1,1-Trichloroethane	UG/L	5		13
1,1-Dichloroethene	UG/L	5		3 J
Chloroform	UG/L	7		2 J
cis-1,2-Dichloroethene	UG/L	5	2 J	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, Revised April 2000, Class GA.

Flags assigned during chemistry validation are shown.

(oval) Concentration Exceeds Criteria

Blank = Not Detected. J = Estimated concentration detected below quantitation limit. D = Result reported from a diluted analysis.

Only Detected Results Reported.

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 9/29/2005 9:38:42 AM
[LOGDATE] >= #6/14/2005# AND [LOCID] LIKE 'MW-*H'

TABLE 3-6
STATISTICAL SUMMARY OF VOCs DETECTED IN THE DEEP GROUNDWATER ZONE (JUNE 2005)
KLIEGMAN BROTHERS SITE

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Volatiles									
1,1,1-Trichloroethane	UG/L	5	2	1	13.00	13.00	13.00	1	MW-13H
1,1-Dichloroethene	UG/L	5	2	1	3.00	3.00	3.00	0	MW-13H
Chloroform	UG/L	7	2	1	2.00	2.00	2.00	0	MW-13H
cis-1,2-Dichloroethene	UG/L	5	2	1	2.00	2.00	2.00	0	MW-12H

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, Revised April 2000, Class GA.

Concentration Exceeds Criteria

Only Detected Results Reported.

FIGURES

URS	KLIEGMAN BROTHERS SITE LOCATION MAP	FIGURE 1-1

N:\11117\984.00000\DB\GIS\site.apr SITE LOCATION
9/7/2005

120 0 120 Feet

KLIEGMAN BROTHERS
SITE PLAN

URS

FIGURE 1-2

N:\11171984.00000\DB\GIS\kliegman.apr SITE PLAN
9/7/2005

N

COOPER AVENUE

LONG ISLAND RAILROAD

EDSALL AVENUE

77TH AVENUE

75TH STREET

76TH STREET

78TH STREET

79TH STREET

CONCRETE

PAVED PARKING

2 STORY BRICK KLIEGMAN BROTHERS BUILDING

MW-01S
MW-01
MW-02D
MW-03D
MW-04D
MW-05D
MW-06S
MW-07D
MW-08S
MW-09S
MW-10H
MW-10D
MW-11D
MW-12H
MW-13H
MW-14D
MW-15D
MW-16D
MW-17D
MW-18D
MW-19D
MW-20D
MW-21D
MW-22D
MW-23D
MW-24D

76-01 76-02 76-04 76-06 76-07 76-09

75-14 75-15 75-16 75-18 75-20

77-01 77-02 77-03 77-04 77-05 77-06 77-07 77-08 77-09 77-10 77-11 77-12 77-13 77-14 77-15 77-16 77-17 77-18 77-19 77-20 77-21 77-22 77-23 77-24 77-25 77-26 77-27 77-29 77-30

Legend

- Phase I Perched Water Zone Monitoring Well
- Phase I Shallow Groundwater Zone Monitoring Well
- Phase II Shallow Groundwater Zone Monitoring Well
- Phase II Deep Groundwater Zone Monitoring Well
- Phase III Shallow Groundwater Zone Monitoring Well

120 0 120 Feet

KLIEGMAN BROTHERS
MONITORING WELL LOCATION MAP

URS

FIGURE 2-1

N:\11171964.00000\DB\GIS\geology.apr MONITORING WELL LOCATION MAP
9/12/2005

Legend

- Monitoring Well
- 69.00 Groundwater Elevation Contour
- Groundwater Flow Direction
- MW-09S,69.59 (Location ID / Groundwater Elevation)

KLIEGMAN BROTHERS
GROUNDWATER ELEVATION CONTOURS IN THE PERCHED GROUNDWATER ZONE (6/14/05)

URS

FIGURE 3-1

N:\11171964.00000\DB\GIS\kliegman.apr 06/14/05 GROUNDWATER ELEVATION (PERCHED)
9/12/2005

Legend

- Monitoring Well
- 16.50 Groundwater Elevation Contour
- Groundwater Flow Direction
- MW-20D, 16.77
  - Location ID
  - Groundwater Elevation

KLIEGMAN BROTHERS
GROUNDWATER ELEVATION CONTOURS IN SHALLOW GROUNDWATER ZONE (6/14/05)

URS

FIGURE 3-2

N:\111171964.00000\DBG\S\kliegman.apr 06/14/05 GROUNDWATER ELEVATION (SHALLOW)
SH2005

N

COOPER AVENUE

LONG ISLAND RAILROAD

EDSALL AVENUE

77TH AVENUE

75TH STREET

76TH STREET

78TH STREET

79TH STREET

MW-01S
Tetrachloroethene, 320
Total VOC's, 327

MW-01
1,1,1-Trichloroethane, 8
1,1,2-Trichloroethane, 2
1,1-Dichloroethane, 7
1,1-Dichloroethene, 6
1,2-Dichloroethane, 4
Carbon tetrachloride, 6
Chloroform, 74
cis-1,2-Dichloroethene, 6,000
Tetrachloroethene, 5,300
Trichloroethene, 560
Total VOC's, 11,972

MW-06S
cis-1,2-Dichloroethene, 17
Tetrachloroethene, 200
Total VOC's, 221

MW-08S
Total VOC's, 5

MW-09S
Total VOC's, 2

CONCRETE

PAVED PARKING

2 STORY BRICK KLIEGMAN BROTHERS BUILDING

Legend

- • No Compounds Detected
- ○ No Compounds Exceed Criteria
- ○ At Least One Compound Exceeds Criteria

MW-06S
Tetrachloroethene, 200

Location ID — Compound Exceeding Criteria — Concentration (ug/L)

120 0 120 Feet

KLIEGMAN BROTHERS
GROUNDWATER ANALYTICAL RESULTS IN THE PERCHED GROUNDWATER ZONE (JUNE 2005)

URS

FIGURE 3-3

N:\11171964.00000\DBIGIS\chem.apr (P ZONE) 06/05 GROUNDWATER EXCEEDENCES
9/12/2005

N

COOPER AVENUE

LONG ISLAND RAILROAD

EDSALL AVENUE

PAVED PARKING

CONCRETE

2 STORY BRICK KLIEGMAN BROTHERS BUILDING

75TH STREET

76TH STREET

77TH AVENUE

78TH STREET

79TH STREET

MW-02D
Tetrachloroethene, 2,600
Total VOC's, 2,615

MW-11D
Tetrachloroethene, 920
Total VOC's, 928

MW-16D
1,1,1-Trichloroethane, 190
1,1-Dichloroethane, 45
1,1-Dichloroethene, 72
Carbon tetrachloride, 49
Chloroform, 13
cis-1,2-Dichloroethene, 15
Tetrachloroethene, 350
Trichloroethene, 640
Trichlorofluoromethane, 39
Total VOC's, 1,418

MW-03D
1,1,1-Trichloroethane, 66
1,1-Dichloroethene, 14
Carbon tetrachloride, 11
Tetrachloroethene, 43,000
Trichloroethene, 35
Total VOC's, 43,133

MW-15D
cis-1,2-Dichloroethene, 7
Tetrachloroethene, 310
Trichloroethene, 44
Total VOC's, 363

MW-07D
1,1,1-Trichloroethane, 910
1,1-Dichloroethane, 100
1,1-Dichloroethene, 280
Benzene, 2
Carbon tetrachloride, 43
Chloroform, 13
cis-1,2-Dichloroethene, 52
Tetrachloroethene, 1,200
Trichloroethene, 530
Trichlorofluoromethane, 35
Total VOC's, 3,165

MW-05D
1,1,1-Trichloroethane, 66
1,1-Dichloroethene, 13
Carbon tetrachloride, 9
cis-1,2-Dichloroethene, 6
Tetrachloroethene, 31,000
Trichloroethene, 44
Total VOC's, 31,144

MW-04D
1,1,1-Trichloroethane, 110
1,1-Dichloroethene, 25
Carbon tetrachloride, 20
cis-1,2-Dichloroethene, 16
Tetrachloroethene, 75,000
Trichloroethene, 51
Total VOC's, 75,233

MW-21D
cis-1,2-Dichloroethene, 10
Tetrachloroethene, 300
Trichloroethene, 19
Total VOC's, 330

MW-14D
1,1,1-Trichloroethane, 54
1,1-Dichloroethene, 14
Carbon tetrachloride, 11
cis-1,2-Dichloroethene, 19
Tetrachloroethene, 40,000
Trichloroethene, 31
Total VOC's, 40,146

MW-17D
1,1,1-Trichloroethane, 150
1,1-Dichloroethane, 8
1,1-Dichloroethene, 56
1,2-Dichloroethane, 7
Carbon tetrachloride, 46
Chloroform, 9
cis-1,2-Dichloroethene, 16
Tetrachloroethene, 8,400
Trichloroethene, 86
Total VOC's, 8,782

MW-24D
1,1,1-Trichloroethane, 37
1,1-Dichloroethene, 10
Carbon tetrachloride, 9
cis-1,2-Dichloroethene, 15
Methyl tert-butyl ether, 29
Tetrachloroethene, 21,000
Trichloroethene, 21
Total VOC's, 21,125

MW-22D
Tetrachloroethene, 190
Total VOC's, 194

MW-18D
1,1,1-Trichloroethane, 12
Tetrachloroethene, 5,700
Trichloroethene, 19
Total VOC's, 5,742

MW-20D
cis-1,2-Dichloroethene, 8
Tetrachloroethene, 370
Trichloroethene, 28
Total VOC's, 407

MW-19D
Methyl tert-butyl ether, 140
Tetrachloroethene, 2,300
Total VOC's, 2,452

MW-23D
1,1,1-Trichloroethane, 10
1,2-Dichloroethane, 1
Carbon tetrachloride, 7
cis-1,2-Dichloroethene, 8
Tetrachloroethene, 3,400
Trichloroethene, 10
Total VOC's, 3,444

Legend

- • No Compounds Detected
- ○ No Compounds Exceed Criteria
- ○ At Least One Compound Exceeds Criteria

MW-20D
Tetrachloroethene, 370

Location ID — Compound Exceeding Criteria — Concentration (ug/L)

120 0 120 Feet

KLIEGMAN BROTHERS
GROUNDWATER ANALYTICAL RESULTS IN THE SHALLOW GROUNDWATER ZONE (JUNE 2005)

URS

FIGURE 3-4

N:\11171964.00000\DB\GIS\chem.apr (W ZONE) 06/05 GROUNDWATER EXCEEDENCES
9/12/2005

N

COOPER AVENUE

MW-11D, 920

76-7

78-04

MW-02D, 2,600

LONG ISLAND RAILROAD

1,000

10,000

PAVED PARKING

CONCRETE

2 STORY BRICK KLIEGMAN BROTHERS BUILDING

76-02

76-04

78-06

78-07

78-09

MW-16D, 350

EDSALL AVENUE

MW-15D, 310

MW-03D, 43,000

MW-07D, 1,200

77TH AVENUE

77-03 77-05 77-07 77-09 77-11 77-13 77-15 77-17 77-19 77-21 77-22 77-24 77-26 77-30

75-14 75-16 75-18 75-20

77-12 77-18 77-20

MW-05D, 31,000

MW-04D, 75,000

77-02 77-04 77-19 77-21 77-23 77-27 77-08 77-10 77-14 77-16 77-18 77-20 77-29

77-01 77-05 77-07 77-09 77-13 77-02 77-06 77-10 77-12

MW-21D, 300

75TH STREET

76TH STREET

78TH STREET

79TH STREET

MW-14D, 40,000

MW-17D, 8,400

MW-24D, 21,000

MW-22D, 190

MW-18D, 5,700

MW-20D, 370

MW-19D, 2,300

MW-23D, 3,400

Legend

1,000 — Tetrachloroethene Isoconcentration Contour

Tetrachloroethene Concentrations (ug/L)

- Not Detected
- < 100
- 100 - 1,000
- 1,000 - 10,000
- > 10,000

Location ID — MW-19D, 2,300

Tetrachloroethene Concentration (ug/L)

120 0 120 Feet

KLIEGMAN BROTHERS
TETRACHLOROETHENE ISOCONCENTRATION CONTOURS
IN THE SHALLOW GROUNDWATER ZONE (JUNE 2005)

URS

FIGURE 3-5

N:\11171964.00000\DBVGIS\chem.apr (W ZONE) 06/05 TETRACHLOROETHENE
9/12/2005

N

COOPER AVENUE

LONG ISLAND RAIL ROAD

EDSALL AVENUE

PAVED PARKING

CONCRETE

2 STORY BRICK KLIEGMAN BROTHERS BUILDING

77TH AVENUE

75TH STREET

76TH STREET

78TH STREET

79TH STREET

MW-12H
Total VOC's, 2

MW-13H
1,1,1-Trichloroethane, 13
Total VOC's, 18

Legend

- • No Compounds Detected
- ○ No Compounds Exceed Criteria
- ○ At Least One Compound Exceeds Criteria

MW-13H
1,1,1-Trichloroethene, 17

Location ID

Compound Exceeding Criteria

Concentration (ug/L)

120 0 120 Feet

KLIEGMAN BROTHERS
GROUNDWATER ANALYTICAL RESULTS IN THE DEEP GROUNDWATER ZONE (JUNE 2005)

URS

FIGURE 3-6

N:\11171964.00000\DB\GIS\chem.apr (H ZONE) 06/05 GROUNDWATER EXCEEDENCES
9/12/2005

APPENDIX A

BORING LOGS

URS Corporation

TEST BORING LOG

PROJECT:	Kliegman Brothers
CLIENT:	NYSDEC
BORING CONTRACTOR:	Buffalo Drilling Co.
GROUNDWATER:	
BORING NO:	MW-17D
SHEET:	1 of 2
JOB NO.:	11174003.00000
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	05/10/05
DATE FINISHED:	05/14/05
DRILLER:	L. Schroeder
GEOLOGIST:	J. Boyd
REVIEWED BY:	

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Split spoon		
				DIA.		2"		
				WT.		140#		
				FALL		30"		
				* POCKET PENETROMETER READING				

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	MOISTURE
									Concrete			
							Brown		Medium SAND, some SILT, trace fine Gravel	SM		
5		1	SS	2	1	75%		Loose			1.2	Moist
				3	1							
10		2	SS	6	8	80%		Medium Dense	Medium SAND	SP	0.0	Wet
				8	6							
15		3	SS	2	2	60%	Gray-Brown	Loose	SILTY SAND, trace, CLAY	SM	0.0	Moist
				2	2							
20		4	SS	26	60	33%		Very Dense	GRAVEL and SAND	SW/GW	0.0	Dry
				33	31							
25		5	SS	40	20	70%	Brown		Medium SAND, trace coarse GRAVEL.	SP	0.0	
				35	42							
30		6	SS	31	35	85%	Gray-Brown				0.0	
				38	49							
35		7	SS	24	35	55%	Red-Brown		Fine to medium SAND, trace fine GRAVEL	SW	0.0	
				30	35							

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected

PROJECT NO. 11174003.00000

BORING NO. MW-17D

URS Corporation										TEST BORING LOG		
										BORING NO:	MW-17D	
PROJECT:	Kliegman Brothers									SHEET:	2 of 2	
CLIENT:	NYSDEC									JOB NO.:	11174003.00000	
SAMPLE							DESCRIPTION					
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
									Fine to medium SAND, trace GRAVEL	SW		
40		8	SS	53	53	55	Brown	Very Dense	Medium SAND, some coarse GRAVEL	SP	0.0	Dry
				100/4	—							
45		9	SS	36	53	75%			-trace coarse GRAVEL		0.0	
				40	31							
50		10	SS	26	27	75%			Medium to coarse SAND	SW	0.0	
				37	40							
55		11	SS	14	21	90%			Medium SAND, trace coarse GRAVEL	SP	0.0	
				29	21							
60		12	SS	20	27	85%			Fine to medium SAND	SW	0.0	
				35	41							
65		13	SS	9	11	80%		Medium Dense	Coarse SAND, some fine GRAVEL	SP	0.0	Wet
				14	20							
70												
75									End Boring at 73' BGS			

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected

PROJECT NO. 11174003.00000

BORING NO. MW-17D

URS Corporation										TEST BORING LOG	
										BORING NO:	MW-18D
PROJECT:	Kliegman Brothers									SHEET:	1 of 2
CLIENT:	NYSDEC									JOB NO.:	11174003.00000
BORING CONTRACTOR:	Buffalo Drilling Co.									BORING LOCATION:	
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE		GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE		Split spoon				DATE STARTED:	05/15/05
				DIA.		2"				DATE FINISHED:	05/15/05
				WT.		140#				DRILLER:	L. Schroeder
				FALL		30"				GEOLOGIST:	J. Boyd
				* POCKET PENETROMETER READING						REVIEWED BY:	Scott McCue

	SAMPLE						DESCRIPTION					
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
									Concrete			
							Brown		Medium SAND, some SILT	SM		
5		1	SS	13	21	55%		Dense			0.0	Dry
				25	25							
10		2	SS	19	11	100%		Medium Dense	Fine to medium SAND, trace SILT	SW	0.8	
				16	18							
15		3	SS	19	20	95%		Dense	Fine SAND, some SILT, trace fine to coarse GRAVEL	SM	0.4	
				21	21							
20		4	SS	18	25	100%		Very Dense			1.1	
				30	29							
25		5	SS	17	18	100%		Dense			0.0	
				17	22							
30		6	SS	15	22	100%		Very Dense			0.0	
				29	23							
35		7	SS	18	26	100%					0.0	
				26	29							

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected	PROJECT NO.	11174003.00000
	BORING NO.	MW-18D

URS Corporation	TEST BORING LOG
	BORING NO: MW-18D
PROJECT: Kliegman Brothers	SHEET: 2 of 2
CLIENT: NYSDEC	JOB NO.: 11174003.00000

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
40		8	SS	40	46	65%	Brown	Very Dense	Fine SAND, some SILT, trace fine GRAVEL	SM	0.0	Dry
				50/3	--							
45		9	SS	24	36	100%					0.0	
				30	43							
50		10	SS	50/6	--	100%			Fine to medium SAND, some SILT, trace fine to coarse GRAVEL		0.0	Moist
				--	--							
55		11	SS	33	38	90%					0.0	
				49	50							
60		12	SS	26	28	95%					0.0	
				33	43							
65		13	SS	24	34	90%			Medium SAND, some fine GRAVEL	SP	0.0	
				40	48							
70		14	SS	9	18	100%		Dense	Coarse SAND, some fine GRAVEL		0.0	Wet
				19	24							
75									End Boring at 74' BGS			

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and	PROJECT NO.	11174003.00000
2" split spoon. No analytical samples collected	BORING NO.	MW-18D

URS Corporation

TEST BORING LOG

BORING NO:	MW-19D
SHEET:	1 of 2
JOB NO.:	11174003.00000
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	05/16/05
DATE FINISHED:	05/24/05
DRILLER:	L. Schroeder
GEOLOGIST:	E. Lovenduski
REVIEWED BY:	

PROJECT: Kliegman Brothers
CLIENT: NYSDEC
BORING CONTRACTOR: Buffalo Drilling Co.

GROUNDWATER:				CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE	Split spoon		
				DIA.	2"		
				WT.	140#		
				FALL	30"		
				* POCKET PENETROMETER READING			

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
									Concrete			
							Light Brown		Fine SAND	SP		
5		1	SS	7	7	70%		Medium Dense			0.2	Moist
				12	7							Dry
10		2	SS	4	10	70%	Brown		SILTY SAND, trace CLAY	SM	0.0	Moist
				20	18				Medium SAND, some coarse GRAVEL, trace SILT	SP		Dry
15		3	SS	17	22	85%		Dense	SANDY GRAVEL, trace SILT	GW	0.0	
				26	21							
20		4	SS	22	20	95%	Dark Brown		Fine SAND, trace fine GRAVEL and SILT	SP	0.0	
				21	18							
25		5	SS	14	22	90%					0.0	
				25	25							
30		6	SS	29	24	100%					0.0	
				25	25							
35		7	SS	25	22	90%					0.0	
				22	24							

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected

PROJECT NO. 11174003.00000
BORING NO. MW-19D

URS Corporation	TEST BORING LOG
	BORING NO: MW-19D
PROJECT: Kliegman Brothers	SHEET: 2 of 2
CLIENT: NYSDEC	JOB NO.: 11174003.00000

DEPTH FEET	STRATA	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY RQD	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
								Fine SAND, trace fine GRAVEL and SILT	SP		
40		8	SS	21 32 / 37 41	90%	Brown	Very Dense	SANDY GRAVEL, trace SILT	GW	0.0	Dry
45		9	SS	100/2	100%					0.0	
50		10	SS	58 45 / 44 41	80%					0.0	
55		11	SS	50 50/0	100%			Coarse SAND, some fine GRAVEL	SP	0.0	
60		12	SS	41 37 / 50/3	100%			Medium SAND, some fine to coarse GRAVEL trace SILT		0.0	
65		13	SS	24 23 / 90 39	30%					0.0	Moist
70		14	SS	23 23 / 27 27	75%			Coarse SAND, trace fine GRAVEL		0.0	Wet
75								End Boring at 74' BGS			

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected	PROJECT NO. 11174003.00000
	BORING NO. MW-19D

URS Corporation

TEST BORING LOG

BORING NO:	MW-20D
SHEET:	1 of 2
JOB NO.:	11174003.00000
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	05/24/05
DATE FINISHED:	05/25/05
DRILLER:	L. Schroeder
GEOLOGIST:	E. Lovenduski
REVIEWED BY:	

PROJECT: Kliegman Brothers
CLIENT: NYSDEC
BORING CONTRACTOR: Buffalo Drilling Co.
GROUNDWATER:

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Split spoon		
DIA.		2"		
WT.		140#		
FALL		30"		

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
									Concrete			
							Dark Brown		Medium SAND, some SILT, trace fine rounded GRAVEL	SM		
5		1	SS	12	12	55%		Medium Dense			0.0	Dry
				9	9							
10		2	SS	11	11	5%					0.0	
				12	10							
15		3	SS	20	33	66%	Brown	Very Dense	Medium SAND, trace coarse GRAVEL	SP	0.0	
				34	38							
20		4	SS	12	24	83%			Medium SAND some SILT, trace fine GRAVEL	SM	0.0	Moist
				57	36							
25		5	SS	19	19	62%		Dense			0.0	
				22	23							
30		6	SS	12	17	83%					0.0	
				21	28							
35		7	SS	20	20	80%					0.0	
				20	18							

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected

PROJECT NO. 11174003.00000
BORING NO. MW-20D

URS Corporation	TEST BORING LOG
	BORING NO: MW-20D
PROJECT: Kliegman Brothers	SHEET: 2 of 2
CLIENT: NYSDEC	JOB NO.: 11174003.00000

DEPTH FEET	STRATA	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY RQD	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
40		8	SS	14 / 17 / 15 / 16	55%	Brown	Dense	Medium SAND some SILT, trace GRAVEL	SP	0.0	Moist
								Gravel			
45		9	SS	18 / 18 / 19 / 21	55%					0.0	
50		10	SS	12 / 48 / 70/3 / —	62%	Orange-Brown	Very Dense	SILTY SAND, trace coarse GRAVEL	SM	0.0	
55		11	SS	22 / 22 / 33 / 34	66%	Light Brown		Medium SAND, trace fine GRAVEL	SP	0.0	Dry
60		12	SS	19 / 21 / 29 / 21	50%					0.0	
65		13	SS	22 / 24 / 23 / 28	75%		Dense	Fine to medium SAND	SW	0.0	
70		14	SS	23 / 22 / 27 / 32	50%	Brown		Medium SAND	SP	0.0	Wet
75											
								End Boring at 75' BGS			

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected	PROJECT NO. 11174003.00000
	BORING NO. MW-20D

URS Corporation

TEST BORING LOG

BORING NO:	MW-21D
SHEET:	1 of 2
JOB NO.:	11174003.00000
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	05/25/05
DATE FINISHED:	05/26/05
DRILLER:	L. Schroeder
GEOLOGIST:	E. Lovenduski
REVIEWED BY:	

PROJECT: Kliegman Brothers
CLIENT: NYSDEC
BORING CONTRACTOR: Buffalo Drilling Co.

GROUNDWATER:				CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE	Split spoon		
				DIA.	2"		
				WT.	140#		
				FALL	30"		
				* POCKET PENETROMETER READING			

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
									Grass			
							Dark Brown to Black		FILL: Coarse sand, trace brick and concrete	FILL		
5		1	SS	7	2	33%		Loose			0.0	Wet
				2	3							
10		2	SS	1	1	75%	Brown	Very Loose	SILTY SAND, trace CLAY	SM	0.0	
				1	2							
15		3	SS	6	12	50%	Light Brown	Medium Dense			0.0	
				22	31							
20		4	SS	6	11	12%	Brown		Medium SAND some SILT, trace fine GRAVEL		0.0	Moist
				22	31							
25		5	SS	17	26	66%		Very Dense			0.0	Dry
				26	25							
30		6	SS	35	50/3	55%					0.0	
				---	---							
35		7	SS	26	27	62%					0.0	
				27	31							

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected

PROJECT NO. 11174003.00000
BORING NO. MW-21D

URS Corporation	TEST BORING LOG
	BORING NO: MW-21D
PROJECT: Kliegman Brothers	SHEET: 2 of 2
CLIENT: NYSDEC	JOB NO.: 11174003.00000

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
40		8	SS	25	25	60%	Brown	Very	Medium SAND some SILT, trace fine GRAVEL	SM	0.0	Dry
				29	50/6			Dense	GRAVEL			
45		9	SS	28	23	75%	Light	Dense	Medium SAND, some coarse GRAVEL	SP	0.0	
				18	16		Brown					
50		10	SS	11	19	83%					0.0	
				19	27							
55		11	SS	12	15	70%					0.0	
				16	14							
60		12	SS	23	23	62%					0.0	
				24	29							
65		13	SS	21	23	75%			Medium SAND		0.0	Moist
				26	27							
70		14	SS	12	15	100%	Brown	Medium			0.0	Wet
				13	22			Dense				
75									End Boring at 74' BGS			

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and	PROJECT NO.	11174003.00000
2" split spoon. No analytical samples collected	BORING NO.	MW-21D

URS Corporation

TEST BORING LOG

BORING NO:	MW-22D
SHEET:	1 of 2
JOB NO.:	11174003.00000
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	05/26/05
DATE FINISHED:	05/27/05
DRILLER:	L. Schroeder
GEOLOGIST:	E. Lovenduski
REVIEWED BY:	

PROJECT: Kliegman Brothers
CLIENT: NYSDEC
BORING CONTRACTOR: Buffalo Drilling Co.

GROUNDWATER:				CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE	Split spoon		
				DIA.	2"		
				WT.	140#		
				FALL	30"		
				* POCKET PENETROMETER READING			

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	MOISTURE
									Concrete			
							Light Brown		Medium to coarse SAND, some coarse rounded GRAVEL	SW		
5		1	SS	3	4	50%		Loose			0.0	Moist
				4	3							
10		2	SS	4	6	75%	Brown	Medium Dense	Fine to medium SAND, trace CLAY		0.0	
				5	7							
15		3	SS	34	45	33%	Light Brown	Very Dense	-some coarse GRAVEL		0.0	Dry
				51	28							
20		4	SS	30	50	56%					0.0	
				36	39							
25		5	SS	15	12	72%	Brown	Medium Dense	Medium SAND some SILT, trace coarse GRAVEL	SM	0.0	Moist
				16	15							
30		6	SS	20	21	92%	Light Brown	Dense	SILTY SAND, some coarse GRAVEL		0.0	
				21	18							
35		7	SS	10	10	100%					0.0	
				21	50/2							

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected

PROJECT NO. 11174003.00000
BORING NO. MW-22D

URS Corporation	TEST BORING LOG
	BORING NO: MW-22D
PROJECT: Kliegman Brothers	SHEET: 2 of 2
CLIENT: NYS DEC	JOB NO.: 11174003.00000

DEPTH FEET	STRATA	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY RQD	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
40		8	SS	11 16 / 28 26	59%	Light Brown	Dense	Medium SAND some SILT, trace fine rounded GRAVEL	SW	0.0	Moist
45		9	SS	18 14 / 20 30	75%					0.0	
50		10	SS	--- --- / --- ---	62%			-Blows not recorded		0.0	
55		11	SS	13 17 / 19 23	58%	Brown		SILTY SAND, some fine rounded GRAVEL		0.0	Wet
60		12	SS	11 17 / 21 18	53%	Light Brown		Medium SAND, trace fine rounded GRAVEL	SP	0.0	Dry
65		13	SS	15 18 / 28 32	75%					0.0	Moist
70		14	SS	WoR 15 / 17 19	62%	Brown		Medium to coarse SAND	SW	0.0	Wet
75								End Boring at 74' BGS			

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected

PROJECT NO. 11174003.00000

BORING NO. MW-22D

URS Corporation

TEST BORING LOG

BORING NO:	MW-23D
SHEET:	1 of 2
JOB NO.:	11174003.00000
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	06/01/05
DATE FINISHED:	06/01/05
DRILLER:	L. Schroeder
GEOLOGIST:	E. Lovenduski
REVIEWED BY:	

PROJECT: Kliegman Brothers
CLIENT: NYSDEC
BORING CONTRACTOR: Buffalo Drilling Co.
GROUNDWATER: —

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Split spoon		
				DIA.		2"		
				WT.		140#		
				FALL		30"		
				* POCKET PENETROMETER READING				

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"		RECOVERY RQD	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
									Concrete			
							Brown		SILTY SAND, trace fine GRAVEL	SM		
5		1	SS	2	4	75%		Loose			0.0	Moist
				3	4							
10		2	SS	5	22	72%	Orange Brown	Dense	Medium SAND	SP	0.0	
				11	11							
15		3	SS	10	9	66%		Medium Dense			0.0	Dry
				10	10							
20		4	SS	21	21	66%	Brown	Dense	SILTY SAND, some coarse GRAVEL	SM	0.0	Moist
				27	30							
25		5	SS	23	100/5	100%		Very Dense			0.0	Dry
				—	—							
30		6	SS	12	25	50%		Dense	Medium SAND, some SILT, trace fine GRAVEL		0.0	
				22	19							
35		7	SS	9	18	50%		Very Dense			0.0	Moist
				42	31							

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected

PROJECT NO. 11174003.00000
BORING NO. MW-23D

URS Corporation										TEST BORING LOG			
										BORING NO:	MW-23D		
PROJECT:	Kliegman Brothers									SHEET:	2 of 2		
CLIENT:	NYSDEC									JOB NO.:	11174003.00000		
	SAMPLE						DESCRIPTION						
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"		RECOVERY RQD	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE	
40		8	SS	23	21	59%	Brown	Dense	Medium SAND, some SILT, trace fine GRAVEL	SM	0.0	Moist	
				21	23								
45		9	SS	9	19	53%			SILTY SAND, trace fine GRAVEL		0.0		
				22	25								
50		10	SS	23	34	75%		Very Dense			0.0		
				27	30								
55		11	SS	15	18	50%					0.0		
				35	50								
60		12	SS	18	12	59%		Medium Dense			0.0	Wet	
				11	11								
65		13	SS	17	20	62%		Dense	Medium SAND	SP	0.0	Moist	
				27	27								
70		14	SS	15	15	75%		Medium Dense	Medium to coarse SAND, trace fine GRAVEL	SW	0.0	Wet	
				14	16								
75									End Boring at 74' BGS				

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and	PROJECT NO.	11174003.00000
2" split spoon. No analytical samples collected	BORING NO.	MW-23D

URS Corporation									TEST BORING LOG	
									BORING NO:	MW-24D
PROJECT:	Kliegman Brothers								SHEET:	1 of 2
CLIENT:	NYSDEC								JOB NO.:	11174003.00000
BORING CONTRACTOR:	Buffalo Drilling Co.								BORING LOCATION:	
GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE		Split spoon			DATE STARTED:	06/02/05
				DIA.		2"			DATE FINISHED:	06/02/05
				WT.		140#			DRILLER:	L. Schroeder
				FALL		30"			GEOLOGIST:	E. Lovenduski
				* POCKET PENETROMETER READING					REVIEWED BY:	

DEPTH FEET	STRATA	SAMPLE NO.	SAMPLE TYPE	BLOWS PER 6"		RECOVERY RQD	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
									Concrete			
							Brown		Medium SAND, some SILT	SP		
5		1	SS	12	20	71%		Dense			0.0	Dry
				20	28							
10		2	SS	12	14	62%			Fine SAND, some SILT, trace fine to coarse GRAVEL	SM	0.0	Moist
				18	14							
15		3	SS	12	14	75%					0.0	
				18	25							
20		4	SS	14	17	83%					0.0	
				19	24							
25		5	SS	15	15	79%					0.0	
				15	17							
30		6	SS	19	21	87%			SILTY SAND, some coarse GRAVEL		0.0	
				28	40							
35		7	SS	10	19	33%		Very Dense			0.0	
				38	74							

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and 2" split spoon. No analytical samples collected

PROJECT NO.	11174003.00000
BORING NO.	MW-24D

URS Corporation	TEST BORING LOG
	BORING NO: MW-24D
PROJECT: Kliegman Brothers	SHEET: 2 of 2
CLIENT: NYSDEC	JOB NO.: 11174003.00000

DEPTH FEET	STRATA	SAMPLE NO.	TYPE	BLOWS PER 6"	RECOVERY RQD	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
40		8	SS	50/0	0%			No Recovery		0.0	
45		9	SS	47 50/2	100%	Brown	Very Dense	SILTY SAND, trace coarse GRAVEL	SM	0.0	Moist
50		10	SS	29 39 49 35	83%					0.0	
55		11	SS	18 22 19 21	75%	Light Brown	Dense	Medium SAND	SP	0.0	Dry
60		12	SS	12 17 22 19	79%					0.0	
65		13	SS	19 22 23 22	62%	Brown		Coarse SAND, some fine GRAVEL		0.0	Moist Wet
70											
75								End Boring at 70' BGS			

Comments: Boring advanced utilizing a truck mounted CME 75 using 4 1/4" HAS and	PROJECT NO.	11174003.00000
2" split spoon. No analytical samples collected	BORING NO.	MW-24D

APPENDIX B

MONITORING WELL CONSTRUCTION LOGS

DRILLING SUMMARY

Geologist:
E. Lovenduski

Drilling Company:
Buffalo Drilling Co.

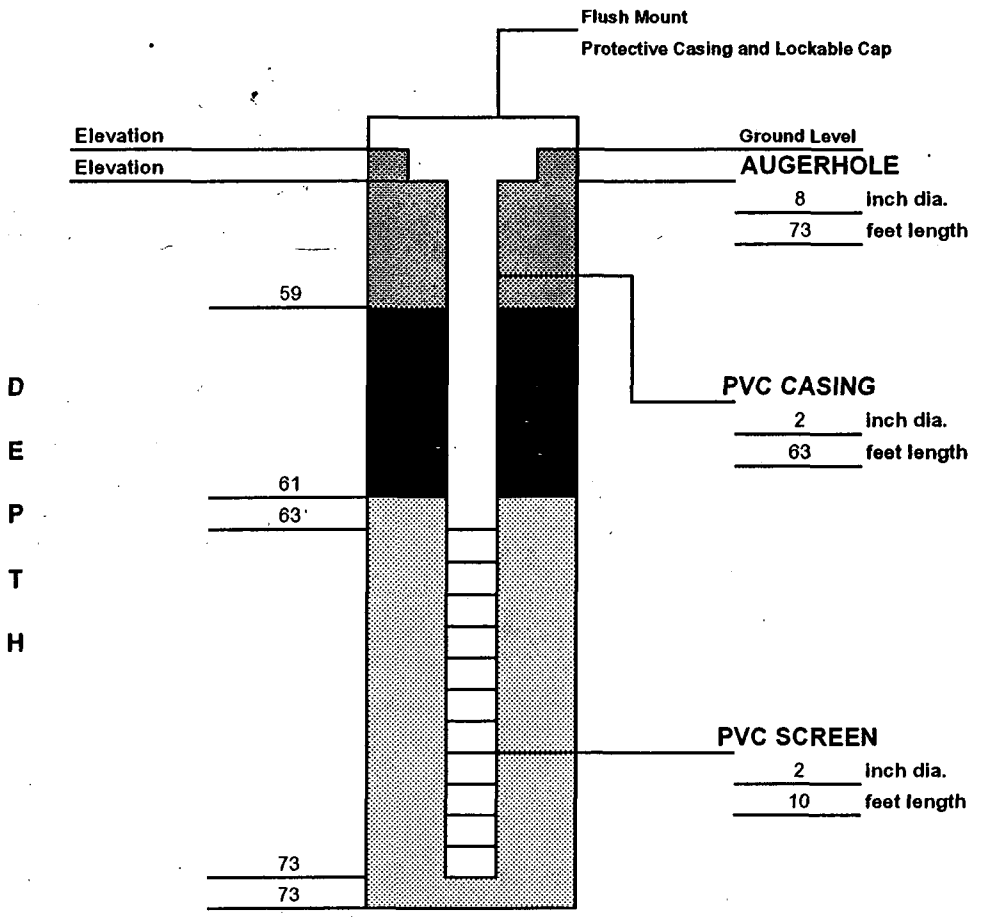
Driller:
L. Schroeder

Rig Make/Model:
CME-75

Date:
5/14/2005

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log for Lithologic Description



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel grade box	**Type:** 2" PVC	**Type:** #0 Sand **Setting:** 61.0-73.0'
Monitor: 2" PVC	**Slot Size:** 0.010	**SEAL MATERIAL** **Type:** Bentonite Chips **Setting:** 59.0-61.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Kliegman Brothers**	**Project No.: 11174003.00000**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number: MW-17D**

DRILLING SUMMARY

Geologist:
J. Boyd

Drilling Company:
Buffalo Drilling Co.

Driller:
L. Schroeder

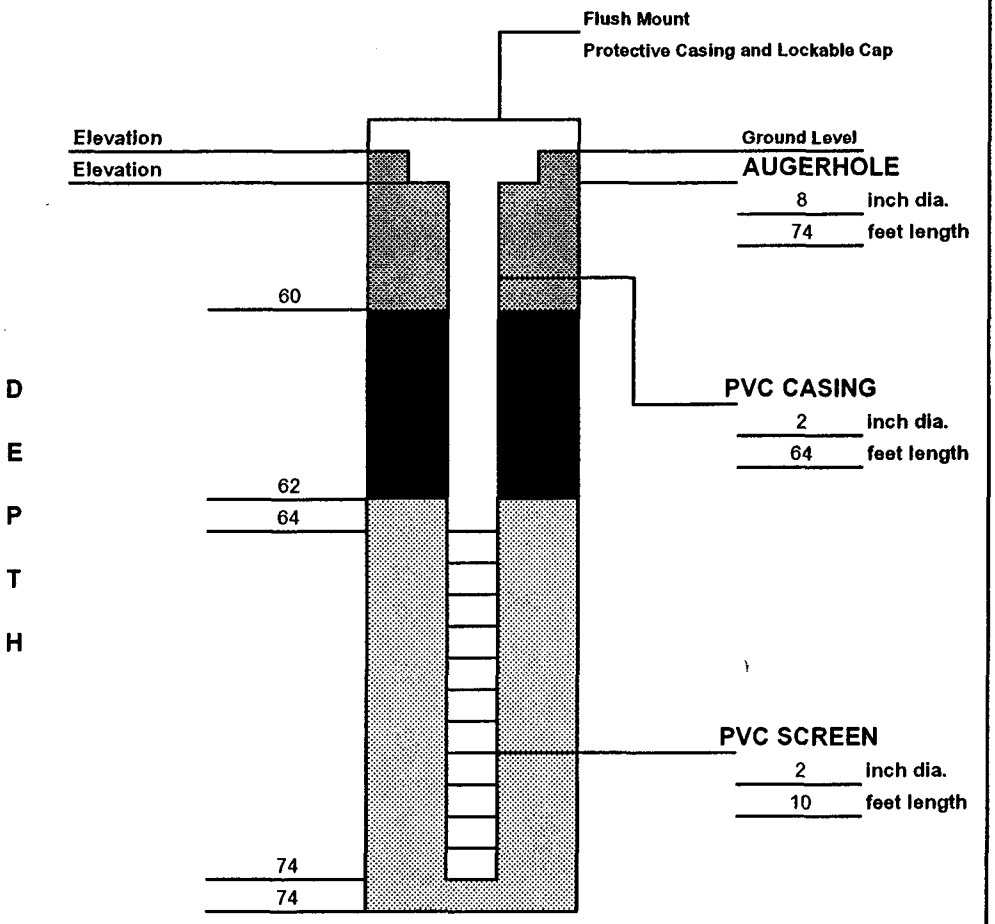
Rig Make/Model:
CME-75

Date:
5/15/2005

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log for Lithologic Description

WELL DESIGN



CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel grade box	**Type:** 2" PVC	**Type:** #0 Sand **Setting:** 62.0-74.0'
Monitor: 2" PVC	**Slot Size:** 0.010	**SEAL MATERIAL** **Type:** Bentonite Chips **Setting:** 60.0-62.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Kliegman Brothers**	**Project No.: 11174003.00000**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number: MW-18D**

DRILLING SUMMARY

Geologist:
E. Lovenduski

Drilling Company:
Buffalo Drilling Co.

Driller:
L. Schroeder

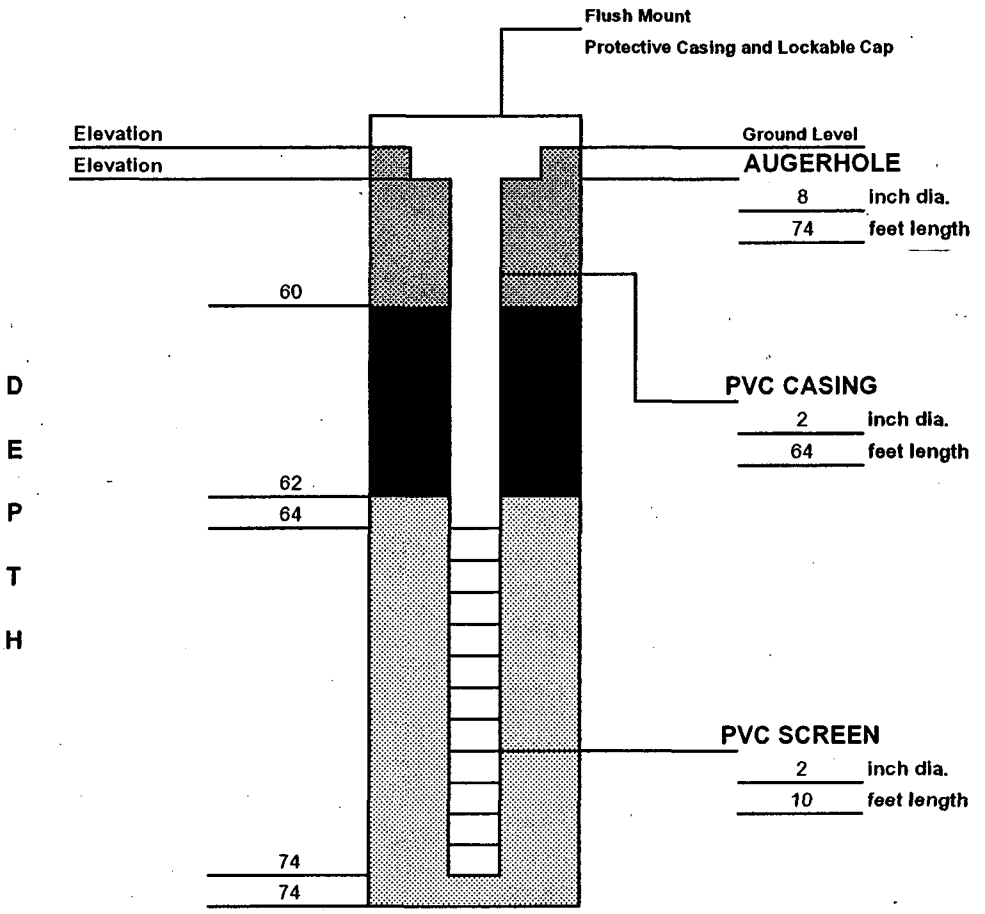
Rig Make/Model:
CME-75

Date:
5/24/2005

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log for Lithologic Description

WELL DESIGN



CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel grade box	**Type:** 2" PVC	**Type:** #0 Sand **Setting:** 62.0-74.0'
Monitor: 2" PVC	**Slot Size:** 0.010	**SEAL MATERIAL** **Type:** Bentonite Chips **Setting:** 60.0-62.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Kliegman Brothers**	**Project No.: 11174003.00000**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number: MW-19D**

DRILLING SUMMARY

Geologist:
E. Lovenduski

Drilling Company:
Buffalo Drilling Co.

Driller:
L. Schroeder

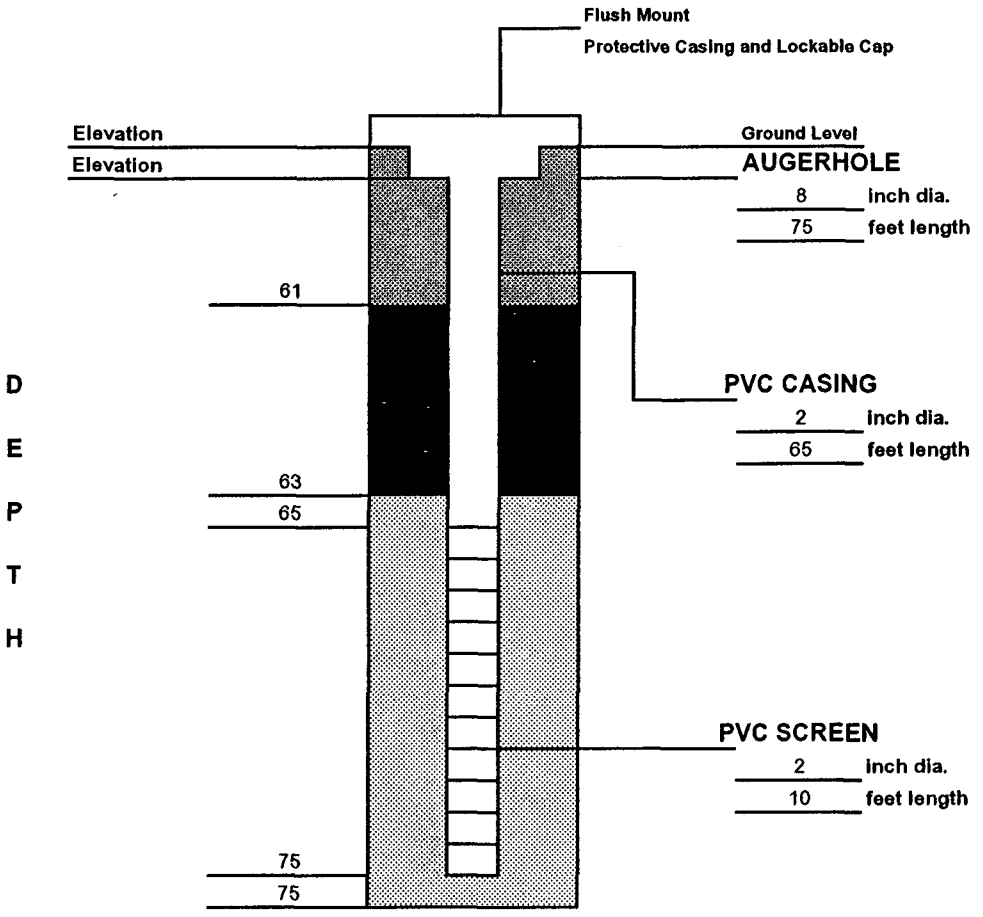
Rig Make/Model:
CME-75

Date:
5/25/2005

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log for Lithologic Description

WELL DESIGN



CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: Steel grade box	**Type:** 2" PVC	**Type:** #0 Sand **Setting:** 63.0-75.0'
Monitor: 2" PVC	**Slot Size:** 0.010	***SEAL MATERIAL*** **Type:** Bentonite Chips **Setting:** 61.0-63.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Kliegman Brothers**	**Project No.: 11174003.00000**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number: MW-20D**

DRILLING SUMMARY

Geologist:
E. Lovenduski

Drilling Company:
Buffalo Drilling Co.

Driller:
L. Schroeder

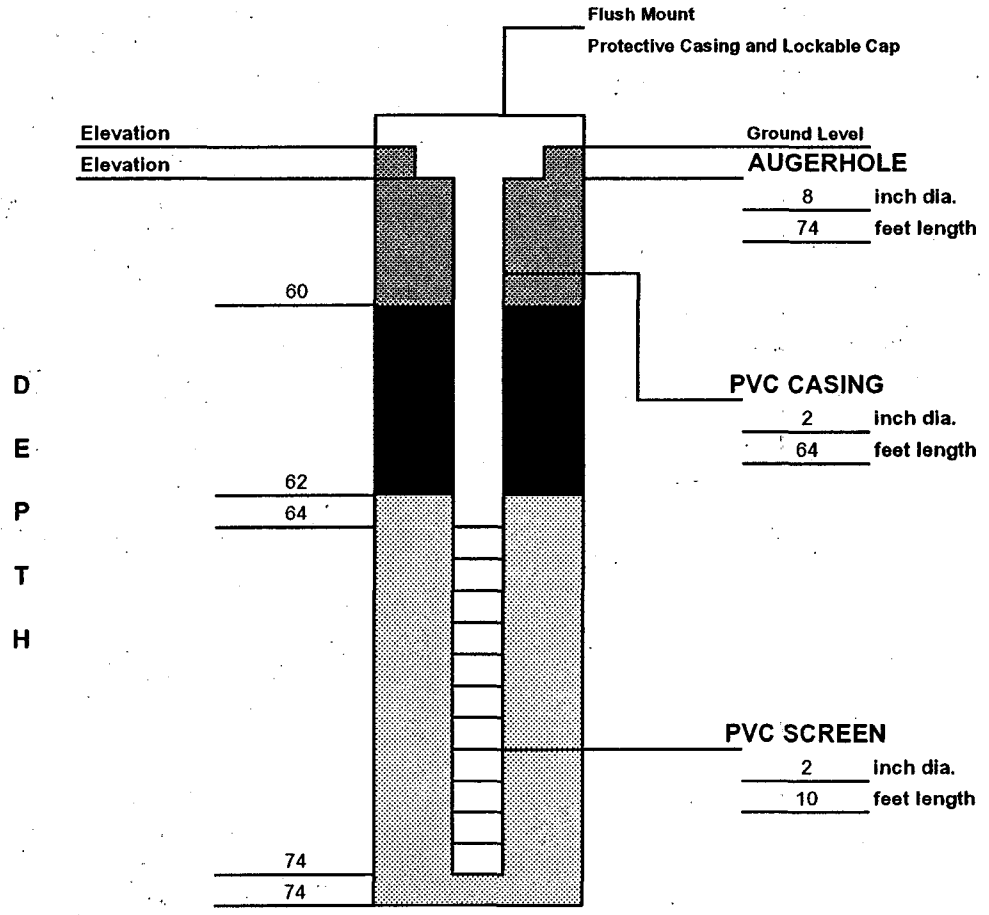
Rig Make/Model:
CME-75

Date:
5/26/2005

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log for Lithologic Description

WELL DESIGN



CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel grade box	**Type:** 2" PVC	**Type:** #0 Sand **Setting:** 62.0-74.0'
Monitor: 2" PVC	**Slot Size:** 0.010	*SEAL MATERIAL* **Type:** Bentonite Chips **Setting:** 60.0-62.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Kliegman Brothers**	**Project No.: 11174003.00000**
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	**Well Number: MW-21D**

DRILLING SUMMARY

Geologist: E. Lovenduski

Drilling Company: Buffalo Drilling Co.

Driller: L. Schroeder

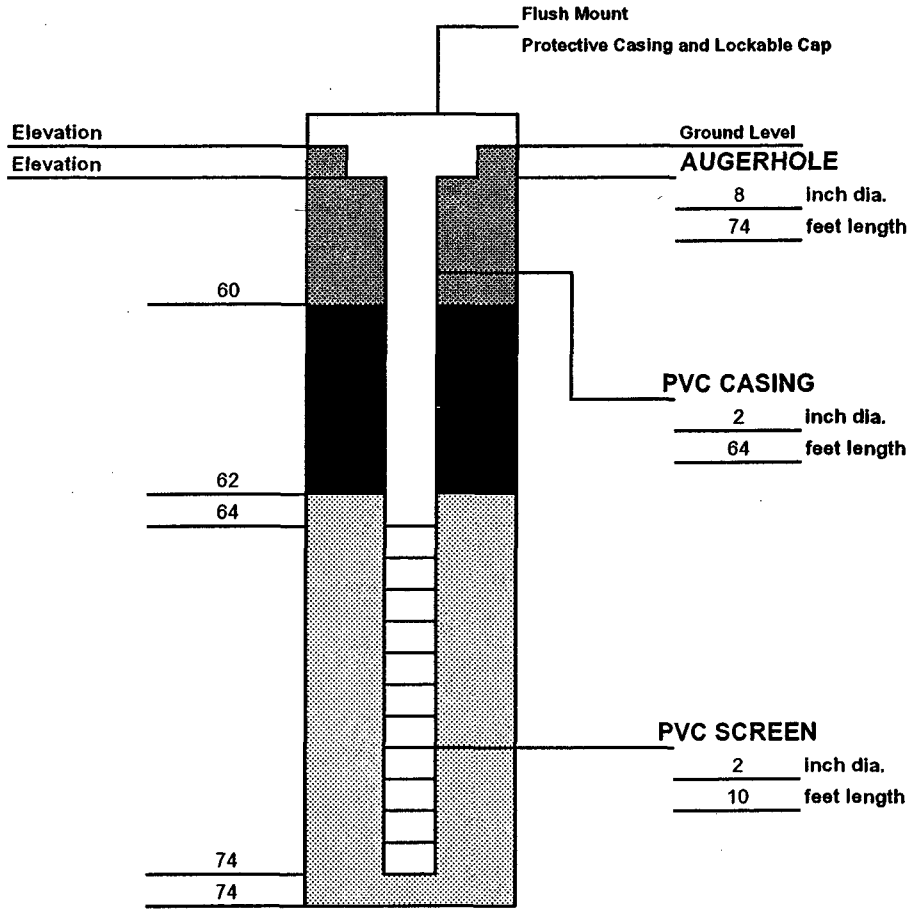
Rig Make/Model: CME-75

Date: 5/27/2005

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log for Lithologic Description

DEPTH



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel grade box	**Type:** 2" PVC	**Type:** #0 Sand **Setting:** 62.0-74.0'
Monitor: 2" PVC	**Slot Size:** 0.010	**SEAL MATERIAL** **Type:** Bentonite Chips **Setting:** 60.0-62.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Kliegman Brothers**	**Project No.: 11174003.00000**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number: MW-22D**

DRILLING SUMMARY

Geologist:
E. Lovenduski

Drilling Company:
Buffalo Drilling Co.

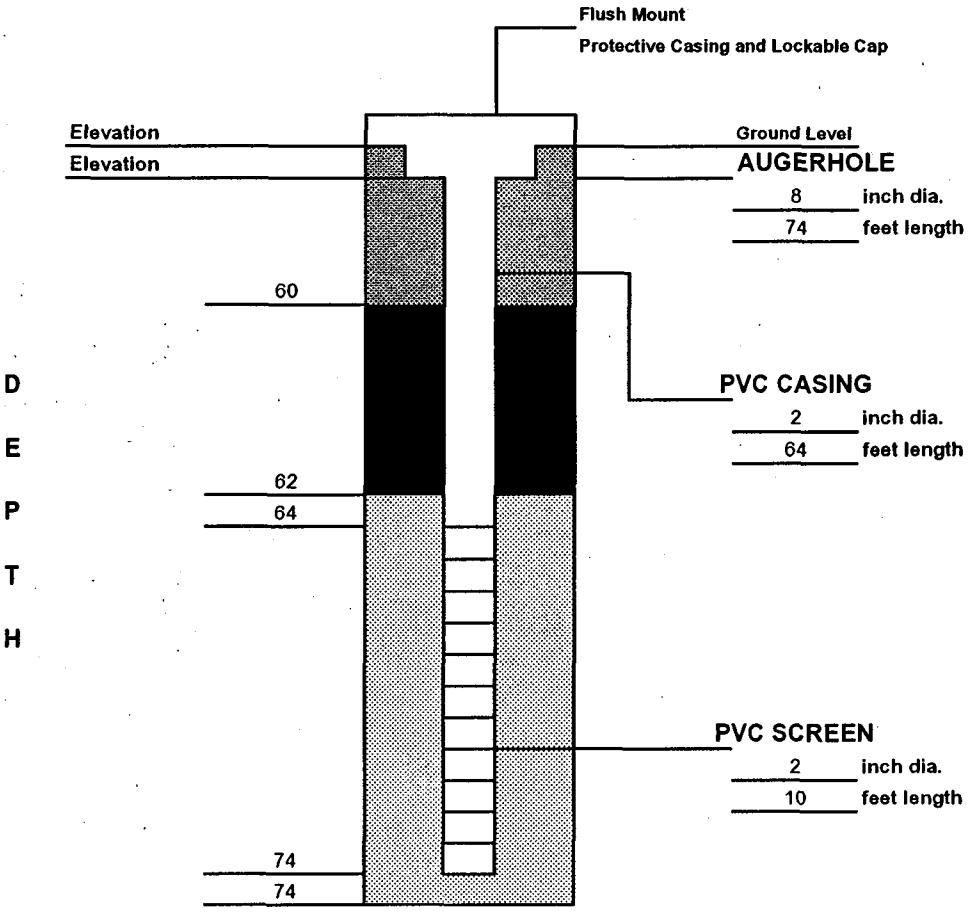
Driller:
L. Schroeder

Rig Make/Model:
CME-75

Date:
6/1/2005

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log for Lithologic Description



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel grade box	**Type:** 2" PVC	**Type:** #0 Sand **Setting:** 62.0-74.0'
Monitor: 2" PVC	**Slot Size:** 0.010	**SEAL MATERIAL** **Type:** Bentonite Chips **Setting:** 60.0-62.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Kliegman Brothers**	**Project No.: 11174003.00000**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number: MW-23D**

DRILLING SUMMARY

Geologist:
E. Lovenduski

Drilling Company:
Buffalo Drilling Co.

Driller:
L. Schroeder

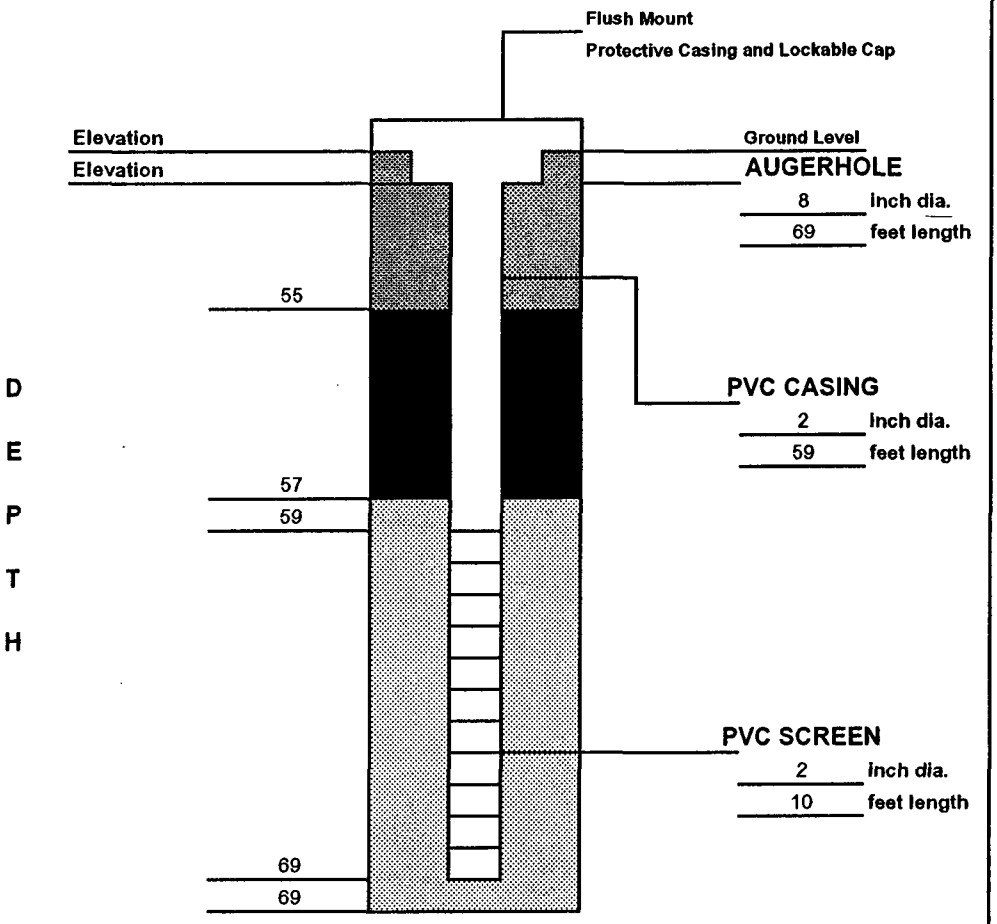
Rig Make/Model:
CME-75

Date:
6/2/2005

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log for Lithologic Description

WELL DESIGN



CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel grade box	**Type:** 2" PVC	**Type:** #0 Sand **Setting:** 57.0-69.0'
Monitor: 2" PVC	**Slot Size:** 0.010	*SEAL MATERIAL* **Type:** Bentonite Chips **Setting:** 55.0-57.0'

COMMENTS:

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Kliegman Brothers**	**Project No.: 11174003.00000**
URS Corporation	**MONITORING WELL CONSTRUCTION DETAILS**	**Well Number: MW-24D**

APPENDIX C

MONITORING WELL DEVELOPMENT LOGS

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-17D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 5/17/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	72.79	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	64.90	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	7.89	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.3	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	6.7	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	64.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	8.0	16.0	24.0	32.0	40.0	48.0	56.0	64.0			
TEMPERATURE (°C)	17.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0			
pH	7.30	7.30	7.40	7.40	7.30	7.40	7.40	7.40			
COND. (Us/cm)	808	807	808	806	808	807	807	806			
TURBIDITY (NTU)	125	63	51	32	25	29	17	15			
APPEARANCE	Cloudy	Slightly Cloudy	Cloudy	Slightly Cloudy	Clear	Clear	Clear	Clear			
TIME	15:51	16:02	16:12	16:22	16:32	16:42	16:52	17:02			

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-18D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 5/17/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	74.05	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	71.20	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	2.85	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	0.5	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	2.4	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	52.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	0.5	8.0	16.0	28.0	36.0	44.0	52.0				
TEMPERATURE (°C)	17.0	17.0	16.0	16.0	16.0	16.0	16.0				
pH	9.10	7.60	6.80	6.60	6.50	6.50	6.50				
COND. (Us/cm)	1200	1000	900	1100	1000	1000	1000				
TURBIDITY (NTU)	>1100	980	120	52	75	42	40				
APPEARANCE	Cloudy	Cloudy	Slightly Cloudy	Slightly Cloudy	Slightly Cloudy	Clear	Clear				
TIME	13:44	13:54	14:05	14:22	14:31	14:40	14:51				

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-19D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 5/24/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)*	=	73.95	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	70.72	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	3.23	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	0.5	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	2.7	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	110.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	3.0	10.0	25.0	40.0	55.0	70.0	85.0	100.0	110.0		
TEMPERATURE (°C)	17.0	17.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0		
pH	7.30	7.50	7.40	7.40	7.40	7.40	7.40	7.40	7.40		
COND. (Us/cm)	575	322	618	725	920	1105	925	910	907		
TURBIDITY (NTU)	>1100	225	110	52	31	30	27	22	19		
APPEARANCE	Cloudy	Cloudy	Cloudy	Slightly Cloudy	Clear	Clear	Clear	Clear	Clear		
TIME	16:50	17:00	17:10	17:20	17:30	17:40	17:50	18:05	18:14		

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-20D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 5/25/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)*	=	74.00	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	NA	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	NA	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	NA	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	NA	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	95.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	1.0	8.0	18.0	25.0	32.0	40.0	48.0	55.0	65.0	75.0	85.0
TEMPERATURE (°C)	17.0	17.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
pH	7.20	6.70	6.80	6.90	6.80	6.70	6.80	6.80	6.90	6.90	6.80
COND. (Us/cm)	572	562	558	558	560	559	562	565	565	560	561
TURBIDITY (NTU)	1100	95	32	>1100	237	105	77	54	21	25	19
APPEARANCE	Brown Cloudy	Cloudy	Slightly Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Slightly Cloudy	Cloudy	Slightly Cloudy	Clear
TIME	16:40	16:50	17:00	17:10	17:20	17:30	17:40	17:50	18:00	18:10	18:20

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

NA = Not Available

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-20D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 5/25/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)*	=	74.00	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	NA	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	NA	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	NA	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	NA	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	95.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	95.0										
TEMPERATURE (°C)	18.0										
pH	6.80										
COND. (Us/cm)	563										
TURBIDITY (NTU)	17										
APPEARANCE	Clear										
TIME	18:30										

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

NA = Not Available

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-21D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 5/26/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)*	=	74.13	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	67.28	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	6.85	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.2	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	5.8	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	95.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	2.0	10.0	20.0	35.0	50.0	65.0	80.0	95.0			
TEMPERATURE (°C)	17.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0			
pH	6.20	6.10	6.10	6.00	6.00	6.00	6.00	6.00			
COND. (Us/cm)	1520	1490	1500	1480	1480	1490	1500	1490			
TURBIDITY (NTU)	>1100	225	119	55	628	33	22	27			
APPEARANCE	Cloudy	Cloudy	Cloudy	Slightly Cloudy	Cloudy	Slightly Cloudy	Clear	Clear			
TIME	17:30	17:40	17:50	18:00	18:10	18:20	18:30	18:40			

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-22D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 6/1/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	74.23	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	68.31	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	5.92	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.0	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	5.0	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	110.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0	95.0	105.0
TEMPERATURE (°C)	15.0	16.0	18.0	17.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
pH	6.20	6.20	6.10	6.10	6.10	6.00	5.90	5.90	6.00	6.00	5.90
COND. (Us/cm)	725	725	730	735	735	735	735	735	735	735	735
TURBIDITY (NTU)	>1100	175	68	875	110	64	25	78	49	33	25
APPEARANCE	Cloudy	Cloudy	Slightly Cloudy	Cloudy	Slightly Cloudy	Slightly Cloudy	Clear	Cloudy	Slightly Cloudy	Slightly Cloudy	Clear
TIME	15:08	15:20	15:30	15:40	15:50	16:00	16:10	16:20	16:30	16:40	16:50

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-22D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 6/1/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	74.23	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	68.31	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	5.92	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.0	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	5.0	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	110.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	110.0										
TEMPERATURE (°C)	18.0										
pH	6.00										
COND. (Us/cm)	735										
TURBIDITY (NTU)	28										
APPEARANCE	Clear										
TIME	17:00										

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-23D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 6/3/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	73.75	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	67.63	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	6.12	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	1.0	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	5.2	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	85.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0		
TEMPERATURE (°C)	17.0	18.0	17.0	18.0	18.0	19.0	19.0	19.0	19.0		
pH	6.11	6.17	6.28	6.31	6.37	6.38	6.38	6.38	6.38		
COND. (Us/cm)	765	760	763	760	760	760	760	760	760		
TURBIDITY (NTU)	>1100	520	117	82	67	55	39	21	17		
APPEARANCE	Cloudy	Cloudy	Cloudy	Slightly Cloudy	Slightly Cloudy	Slightly Cloudy	Slightly Cloudy	Clear	Clear		
TIME	9:50	10:02	10:14	10:26	10:38	10:50	11:02	11:14	11:25		

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

WELL DEVELOPMENT LOG

URS

PROJECT TITLE: NYSDEC - Kliegman Brothers, Glendale, NY WELL NO.: MW-24D

PROJECT NO.: 11174003.00000

STAFF: Eric Lovenduski

DATE(S): 6/3/2005

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	68.78	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	65.35	(2")	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	3.43	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	0.6	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 5)	=	2.9	6"	1.50
7. VOLUME OF WATER ACTUALLY REMOVED (GAL.)	=	110.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

	ACCUMULATED VOLUME PURGED (GALLONS)										
PARAMETERS	3.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0	95.0	110.0
TEMPERATURE (°C)	17.5	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
pH	6.30	6.30	6.40	6.40	6.50	6.50	6.50	6.50	6.50	6.50	6.50
COND. (Us/cm)	810	790	791	793	791	791	791	791	797	791	792
TURBIDITY (NTU)	>1100	628	540	210	112	95	56	31	25	17	15
APPEARANCE	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Slightly Cloudy	Slightly Cloudy	Clear	Clear	Clear	Clear
TIME	7:40	7:52	8:05	8:15	8:27	8:39	8:50	9:00	9:12	9:25	9:35

COMMENTS: Surged/purged well using a foot valve with a surge block and decontaminated 3/8" ID X 1/2" OD HDPE tubing connected to a Waterra II Pump

APPENDIX D

MONITORING WELL PURGING/SAMPLING LOGS

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-01

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 18.5'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 11.17 **Depth to Well Bottom (ft):** 19.40 **Well Diameter:** 4" **Water Column Height (ft):** 8.23

Casing: 4" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 5.43 **Estimated Purge Volume (gal):** 7.0

Sample ID: MW-01 **Sample Time:** 18:20 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, Odor is Slight to Non-Detect Bottles were sent by lab w/ HCL preservative. They were rinsed out *Turbidity meter not functioning properly with purge water prior to sampling

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
17:49	5.85	16.40	0.601	1.08	1277.9	280.6	0.5	11.99	Pale
17:54	5.84	17.55	0.598	0.78	341.1	210.4	1.0	12.24	Pale
17:59	5.98	18.88	0.601	0.71	227.5	157.4	1.5	12.31	Pale
18:04	6.06	18.93	0.599	0.79	162.0	133.4	2.0	12.80	Pale
18:09	6.10	19.58	0.596	0.80	133.6	133.8	2.5	13.89	Pale
18:14	6.10	18.38	0.601	1.11	---*	87.5	3.5	14.22	Pale
18:19	6.19	19.88	0.608	1.35	68.1	83.8	5.5	---	Pale
Tolerance:	**0.1**	---	**3%**	**10%**	**10%**	**+ or - 10**	---		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft; 4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-01S

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 17.5'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 13.82 **Depth to Well Bottom (ft):** 19.78 **Well Diameter:** 2" **Water Column Height (ft):** 5.96

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.01 **Estimated Purge Volume (gal):** 2.0

Sample ID: MW-01S **Sample Time:** 19:05 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
18:33	2.58	13.57	0.638	0.55	450.1	251.2	0.3	15.08	Clear
18:38	5.20	13.84	0.543	0.42	78.3	80.2	0.7	15.30	Clear
18:43	5.75	14.82	0.532	0.41	144.2	62.7	1.0	15.27	Clear
18:48	5.88	14.76	0.518	0.34	41.5	58.9	1.2	15.76	Clear
18:53	5.91	15.29	0.508	0.36	18.3	55.0	1.4	15.87	Clear
18:58	5.97	15.73	0.502	0.37	7.5	51.9	1.6	15.79	Clear
19:03	6.01	15.80	0.488	0.39	6.1	50.3	1.8	15.88	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	***+ or - 10***	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-02D

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 75'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 67.25 **Depth to Well Bottom (ft):** 79.35 **Well Diameter:** 2" **Water Column Height (ft):** 12.10

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 2.06 **Estimated Purge Volume (gal):** 10.0

Sample ID: MW-02D **Sample Time:** 18:24 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
17:54	7.06	15.92	0.264	10.02	410.0	170.5	0.5	67.27	Brown
17:59	6.35	16.99	0.353	9.46	512.0	233.3	1.5	67.27	Brown
18:04	6.32	17.44	0.334	9.25	315.0	272.8	3.0	67.27	Brown
18:09	6.36	17.74	0.351	9.03	157.2	295.2	4.5	67.27	Brown
18:14	6.40	18.06	0.360	8.99	99.3	296.2	6.0	67.27	Brown
18:19	6.43	18.26	0.362	8.97	64.1	283.5	7.5	67.80	Brown
18:24	6.46	18.68	0.363	8.82	40.4	249.2	9.0	67.26	Brown
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-03D

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 71'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 64.15 **Depth to Well Bottom (ft):** 75.45 **Well Diameter:** 2" **Water Column Height (ft):** 11.30

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.92 **Estimated Purge Volume (gal):** 12.0

Sample ID: MW-03D **Sample Time:** 19:11 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, Odor Detected Bottles were sent by lab w/ HCL preservative. They were rinsed out
*Turbidity meter not functioning properly with purge water prior to sampling

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
18:40	6.74	16.32	0.764	8.63	51.6	251.0	1.0	64.10	Brown
18:45	6.74	17.09	0.705	8.43	20.5	223.8	2.5	64.17	Brown
18:50	6.76	17.21	0.696	8.36	---*	87.0	4.5	64.18	Brown
18:55	6.77	17.09	0.656	8.30	---*	232.2	6.0	64.18	Brown
19:00	6.77	17..03	0.685	8.30	---*	246.6	7.5	64.18	Brown
19:05	6.77	16.98	0.685	8.30	---*	259.1	9.5	64.18	Brown
19:10	6.77	17.03	0.682	8.42	---*	267.1	11.5	64.18	Brown
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-04D

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 72'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 63.48 **Depth to Well Bottom (ft):** 74.45 **Well Diameter:** 2" **Water Column Height (ft):** 10.97

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.86 **Estimated Purge Volume (gal):** 15.0

Sample ID: MW-04D **Sample Time:** 16:56 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, Odor Detected Bottles were sent by lab w/ HCL preservative. They were rinsed out

*Turbidity meter not functioning properly with purge water prior to sampling

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
16:25	6.60	15.97	0.623	8.58	1525.0	435.1	0.5	63.50	Clear
16:30	6.10	16.95	0.552	8.22	344.2	466.2	3.5	63.50	Clear
16:35	6.00	16.78	0.573	8.19	98.5	468.0	5.5	63.51	Clear
16:40	5.93	16.69	0.560	7.96	9.1	479.3	7.5	63.51	Clear
16:45	6.00	16.71	0.553	8.17	---*	485.7	9.5	63.50	Clear
16:50	6.07	16.68	0.554	8.17	---*	488.3	11.5	63.50	Clear
16:55	6.17	16.68	0.545	7.76	---*	490.0	13.5	63.50	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft; 4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-05D

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 70'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 63.63 **Depth to Well Bottom (ft):** 73.30 **Well Diameter:** 2" **Water Column Height (ft):** 9.67

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.64 **Estimated Purge Volume (gal):** 15.0

Sample ID: MW-05D **Sample Time:** 13:55 **QA/QC:** None

Sample Parameters: *3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2* *Field Parameters Measured via YSI 6920*

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
13:24	5.52	16.49	0.814	9.08	643.0	287.1	1.0	63.61	Tan
13:29	5.67	17.05	0.805	8.18	240.0	320.4	3.0	63.61	Tan
13:34	5.69	16.86	0.803	8.04	102.0	331.3	5.0	63.70	Tan
13:39	5.73	16.89	0.795	8.21	43.4	332.3	7.0	63.69	Tan
13:44	5.75	16.83	0.786	7.92	—*	349.2	9.0	63.68	Tan
13:49	5.76	16.83	0.785	8.05	—*	364.1	11.0	63.68	Tan
13:54	5.75	16.85	0.788	8.21	—*	382.5	13.0	63.68	Tan
Tolerance:	**0.1**	**—**	**3%**	**10%**	**10%**	**+ or - 10**	**—**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-06S

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 13.5'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 12.04 **Depth to Well Bottom (ft):** 13.90 **Well Diameter:** 2" **Water Column Height (ft):** 1.86

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 0.32 **Estimated Purge Volume (gal):** 12.0

Sample ID: MW-06S **Sample Time:** 17:40 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, Very Slight Odor Detected Bottles were sent by lab w/ HCL preservative. They were rinsed out
*Turbidity meter not functioning properly with purge water prior to sampling

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
17:09	5.44	15.00	0.647	3.91	10.7	393.3	1.0	12.05	Clear
17:14	5.10	15.29	0.701	3.05	---*	487.8	2.5	12.45	Clear
17:19	5.02	15.24	0.742	2.78	---*	522.6	4.0	12.50	Clear
17:24	4.93	15.25	0.747	2.62	---*	542.2	6.0	12.49	Clear
17:29	4.87	15.19	0.756	2.59	---*	553.8	7.0	12.51	Clear
17:34	4.80	15.16	0.759	2.52	---*	570.0	9.0	12.50	Clear
17:39	4.85	15.19	0.762	2.48	---*	575.5	11.0	12.50	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-07D

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 74'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 62.12 **Depth to Well Bottom (ft):** 75.71 **Well Diameter:** 2" **Water Column Height (ft):** 13.59

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 2.31 **Estimated Purge Volume (gal):** 10.0

Sample ID: MW-07D **Sample Time:** 9:12 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
8:40	9.33	20.30	0.130	0.15	---*	10.2	1.0	62.16	Clear
8:45	7.09	17.54	0.830	7.45	3.6	74.0	3.0	62.16	Clear
8:50	7.15	17.74	0.834	7.44	---*	80.7	4.5	62.16	Clear
8:55	7.14	17.79	0.828	7.24	---*	85.9	5.5	62.17	Clear
9:00	7.13	17.80	0.837	7.17	---*	88.6	6.5	62.16	Clear
9:05	7.13	17.90	0.833	7.20	---*	90.7	8.0	62.16	Clear
9:10	7.14	17.95	0.839	7.58	---*	92.0	9.5	62.16	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-08S

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 15'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 12.50 **Depth to Well Bottom (ft):** 16.09 **Well Diameter:** 2" **Water Column Height (ft):** 3.59

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 0.61 **Estimated Purge Volume (gal):** 3.0

Sample ID: MW-08S **Sample Time:** 17:40 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
9:19	5.91	13.98	1.068	1.32	20.2	191.6	1.0	13.49	Yellowish Tan
9:24	5.47	14.48	1.094	0.64	---*	232.8	2.5	13.86	Yellowish Tan
									Well Purged Dry. Pump
									set at 2.5' from bottom.
									Letting recharge, then
									collect.
Tolerance:	**0.1**	---	**3%**	**10%**	**10%**	**+ or - 10**	---		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-09S

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 13'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 10.35 **Depth to Well Bottom (ft):** 14.30 **Well Diameter:** 2" **Water Column Height (ft):** 3.95

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 0.67 **Estimated Purge Volume (gal):** 9.0

Sample ID: MW-09S **Sample Time:** 16:57 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
16:20	5.08	15.80	0.171	9.86	1565.0	---	0.3	10.50	Clear
16:25	5.37	15.64	0.164	9.28	1567.1	---	0.8	10.50	Clear
16:30	5.17	15.82	0.161	9.30	41.1	---	2.0	10.52	Clear
16:35	5.13	15.87	0.163	9.32	---*	280.5	3.5	10.50	Clear
16:40	5.16	15.97	0.164	9.30	---*	293.3	5.0	10.50	Clear
16:45	5.21	15.99	0.165	9.30	---*	297.0	6.5	10.50	Clear
16:50	5.23	16.06	0.165	9.28	---*	298.4	8.0	10.50	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-11D

Date: 6/14/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 64'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 65.32 **Depth to Well Bottom (ft):** 74.03 **Well Diameter:** 2" **Water Column Height (ft):** 8.71

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.48 **Estimated Purge Volume (gal):** 7.7

Sample ID: MW-11D **Sample Time:** 16:57 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected
NA=Not Analyzed

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
20:30	6.77	16.10	0.975	10.22	118.0	NA	1.0	10.22	Clear
21:35	6.25	16.91	1.131	9.76	13.5	NA	2.1	9.76	Clear
21:40	6.21	16.81	1.138	9.63	7.2	NA	3.2	9.63	Clear
21:45	6.21	16.80	1.142	9.55	3.7	NA	4.2	9.58	Clear
21:50	6.24	16.80	1.148	9.56	2.6	NA	5.3	9.56	Clear
21:55	6.28	16.81	1.150	9.48	2.2	NA	6.3	9.48	Clear
22:00	6.27	16.79	1.157	9.67	2.0	NA	7.4	9.67	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-12H

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 99'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 63.70 **Depth to Well Bottom (ft):** 104.70 **Well Diameter:** 2" **Water Column Height (ft):** 41.00

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 6.97 **Estimated Purge Volume (gal):** 11.0

Sample ID: MW-12H **Sample Time:** 16:17 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
15:46	6.36	15.74	0.922	5.96	721.3	282.1	0.5	63.69	Clear
15:51	6.77	16.68	0.936	6.08	138.9	253.0	1.5	63.71	Clear
15:56	6.77	17.36	0.938	6.14	131.9	193.0	3.0	63.73	Clear
16:01	6.72	17.38	0.936	6.17	77.0	185.1	5.0	63.72	Clear
16:06	6.67	17.71	0.943	6.14	30.0	194.2	6.5	63.72	Clear
16:11	6.63	17.78	0.940	6.22	5.3	219.2	8.5	63.71	Clear
16:16	6.56	17.83	0.943	6.22	---*	200.0	10.5	63.72	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft; 4 inch diameter well = 0.66 gallons/ft · ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-13H

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ **Sampling Device:** Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 99'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 62.25 **Depth to Well Bottom (ft):** 101.90 **Well Diameter:** 2" **Water Column Height (ft):** 39.65

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 6.74 **Estimated Purge Volume (gal):** 12.0

Sample ID: MW-13H **Sample Time:** 10:25 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
9:52	7.10	15.49	0.861	6.21	153.9	9.9	0.5	62.26	Slightly Murky
9:57	7.11	16.24	0.860	5.92	16.2	43.4	2.5	62.24	Slightly Murky
10:02	7.17	17.08	0.871	5.96	---*	41.5	3.0	62.25	Slightly Murky
10:07	7.19	17.25	0.877	5.88	---*	41.3	5.0	62.25	Slightly Murky
10:12	7.20	17.37	0.878	5.82	---*	39.6	7.0	62.24	Slightly Murky
10:17	7.21	17.40	0.871	5.74	---*	37.8	9.0	62.24	Slightly Murky
10:22	7.21	17.48	0.878	5.75	---*	45.7	11.0	62.24	Slightly Murky
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft; 4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-14D

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 70'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 64.79 **Depth to Well Bottom (ft):** 74.60 **Well Diameter:** 2" **Water Column Height (ft):** 9.81

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.67 **Estimated Purge Volume (gal):** 14.0

Sample ID: MW-14D **Sample Time:** 14:40 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, Oil Based Paint Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
14:09	6.16	17.37	0.890	8.18	24.3	420.0	0.5	64.79	Clear
14:14	5.56	17.41	0.897	7.21	3.2	331.1	1.5	64.82	Clear
14:19	5.51	17.26	0.901	6.98	---*	324.5	4.5	64.83	Clear
14:24	5.48	17.26	0.912	7.00	---*	337.9	7.0	64.83	Clear
14:29	5.52	17.26	0.918	6.98	---*	361.9	9.0	64.83	Clear
14:34	5.57	17.29	0.924	6.92	---*	388.7	11.0	64.83	Clear
14:34	5.64	17.32	0.921	6.93	---*	401.3	13.0	64.83	Clear
Tolerance:	**0.1**	---	**3%**	**10%**	**10%**	**+ or - 10**	---		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-15D

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 70'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 64.95 **Depth to Well Bottom (ft):** 74.15 **Well Diameter:** 2" **Water Column Height (ft):** 9.20

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.56 **Estimated Purge Volume (gal):** 12.0

Sample ID: MW-15D **Sample Time:** 12:38 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
12:08	6.75	16.40	0.956	8.32	---*	178.8	0.5	64.98	Clear
12:13	6.25	18.05	0.963	7.23	---*	202.0	2.0	64.98	Clear
12:18	6.20	18.30	0.957	7.23	---*	200.1	3.0	64.97	Clear
12:23	6.23	18.44	0.955	7.21	---*	201.0	5.0	64.97	Clear
12:28	6.24	18.66	0.953	7.15	---*	202.4	7.0	64.97	Clear
12:32	6.23	18.72	0.954	7.31	---*	209.4	9.0	64.97	Clear
12:37	6.20	18.84	0.955	7.52	---*	216.9	11.0	64.97	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-16D

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 67'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 62.04 **Depth to Well Bottom (ft):** 69.80 **Well Diameter:** 2" **Water Column Height (ft):** 7.76

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.32 ***Estimated Purge Volume* (gal):** 14.0

Sample ID: MW-16D **Sample Time:** 19:38 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

**Turbidity meter not functioning properly*

NA=Not Analyzed

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
9:05	6.63	17.75	1.104	7.31	115.3	NA	4.0	62.09	Clear
9:10	6.69	17.91	1.120	7.27	9.9	NA	5.4	62.08	Clear
9:15	6.71	17.96	1.115	7.18	-9.6*	NA	7.4	62.07	Clear
9:20	6.73	18.21	1.114	7.09	-13.2*	NA	9.4	62.07	Clear
9:25	6.75	18.25	1.111	7.06	-14.3*	NA	10.4	62.07	Clear
9:30	6.76	18.32	1.110	7.01	-15.1*	NA	12.4	62.07	Clear
9:35	6.77	18.31	1.109	7.00	-15.3*	NA	14.4	62.08	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-17D

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 69'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 64.73 **Depth to Well Bottom (ft):** 72.44 **Well Diameter:** 2" **Water Column Height (ft):** 7.71

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.31 **Estimated Purge Volume (gal):** 9.0

Sample ID: MW-17D **Sample Time:** 14:54 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected
*Turbidity meter not functioning properly
NA=Not Analyzed

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
14:22	7.26	17.84	0.572	6.55	521.8	NA	0.3	64.74	Caramel Color
14:27	6.77	17.88	0.562	6.15	135.2	NA	1.3	64.76	Caramel Color
14:32	6.82	19.61	0.558	6.08	4.1	NA	2.3	64.78	Caramel Color
14:37	6.79	18.69	0.558	6.13	0.6	NA	3.3	64.78	Caramel Color
14:42	6.82	18.66	0.558	6.10	-8.2*	NA	5.3	64.78	Caramel Color
14:47	6.86	18.80	0.560	6.12	-12.6*	NA	6.5	64.78	Caramel Color
14:52	6.89	18.80	0.560	6.16	—*	NA	8.0	64.78	Caramel Color
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-18D

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 72.85'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 71.02 **Depth to Well Bottom (ft):** 73.85 **Well Diameter:** 2" **Water Column Height (ft):** 2.83

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 0.48 **Estimated Purge Volume (gal):** 8.5

Sample ID: MW-18D **Sample Time:** 12:33 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected
*Turbidity meter not functioning properly
NA=Not Analyzed

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
12:02	6.16	18.91	0.799	4.58	1062.7	NA	1.0	71.08	Clear
12:07	5.95	19.20	0.822	4.50	63.6	NA	2.0	71.07	Clear
12:12	5.96	19.50	0.831	4.51	-4.7*	NA	3.0	71.07	Clear
12:17	5.99	19.56	0.854	4.50	-12.1*	NA	4.0	71.08	Clear
12:22	6.00	19.67	0.868	4.50	-14.5*	NA	5.0	71.07	Clear
12:27	6.02	19.88	0.881	4.50	-15.4*	NA	6.0	71.07	Clear
12:32	6.03	19.86	0.889	4.50	-15.6*	NA	7.5	71.08	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-19D

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 72'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 70.40 **Depth to Well Bottom (ft):** 73.94 **Well Diameter:** 2" **Water Column Height (ft):** 3.54

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 0.60 **Estimated Purge Volume (gal):** 7.0

Sample ID: MW-19D **Sample Time:** 11:39 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected
*Turbidity meter not functioning properly
NA=Not Analyzed

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
11:08	6.20	16.90	0.569	55.10	10.3	NA	1.0	70.07	Clear
11:13	6.12	18.17	0.593	4.81	-2.4*	NA	2.5	70.07	Clear
11:18	6.25	19.11	0.578	4.90	-11.3*	NA	3.5	70.07	Clear
11:23	6.35	19.37	0.587	4.90	-15.5*	NA	4.5	70.07	Clear
11:28	6.41	19.61	0.588	4.89	-16.0*	NA	5.0	70.07	Clear
11:33	6.44	19.78	0.578	4.89	-17.0*	NA	5.5	70.07	Clear
11:38	6.46	19.90	0.587	4.87	-17.2*	NA	6.0	70.07	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-20D

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 71'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 70.40 **Depth to Well Bottom (ft):** 73.94 **Well Diameter:** 2" **Water Column Height (ft):** 3.54

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 0.60 **Estimated Purge Volume (gal):** 12.5

Sample ID: MW-20D **Sample Time:** 11:30 **QA/QC:** MS050616 & MSD050616

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
10:55	6.58	17.16	0.807	3.21	---*	130.4	1.0	69.24	Clear
11:00	6.47	18.16	0.807	3.00	---*	139.3	2.5	69.24	Clear
11:05	6.44	18.33	0.804	2.93	---*	147.9	4.5	69.23	Clear
11:10	6.43	18.45	0.802	2.92	---*	153.8	6.5	69.22	Clear
11:15	6.42	18.50	0.802	2.85	---*	167.1	8.5	69.23	Clear
11:20	6.41	18.58	0.801	0.28	---*	172.0	9.5	69.23	Clear
11:25	6.40	18.64	0.808	2.82	---*	177.1	11.5	69.24	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-21D

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 70'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 67.12 **Depth to Well Bottom (ft):** 74.13 **Well Diameter:** 2" **Water Column Height (ft):** 7.01

Casing: 2" SCH 40 PVC **Vol. In 1 Well Casing (gal):** 1.19 **Estimated Purge Volume (gal):** 10.0

Sample ID: MW-21D **Sample Time:** 13:28 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected
*Turbidity meter not functioning properly
NA=Not Analyzed

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
12:57	6.26	17.31	1.461	7.72	17.0	NA	0.5	67.10	Clear
13:02	6.01	18.31	1.512	7.47	-2.4*	NA	1.5	67.12	Clear
13:07	5.98	18.25	1.502	4.47	-11.3*	NA	2.5	67.13	Clear
13:12	5.95	18.19	1.493	7.47	-15.5*	NA	3.5	67.13	Clear
13:17	5.93	18.24	1.489	7.45	-16.0*	NA	5.5	67.13	Clear
13:22	5.91	18.25	1.487	7.43	-17.0*	NA	7.5	67.14	Clear
13:24	5.87	18.18	1.477	7.41	-17.2*	NA	9.5	67.13	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-22D

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 71'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 68.16 **Depth to Well Bottom (ft):** 74.15 **Well Diameter:** 2" **Water Column Height (ft):** 5.99

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.02 **Estimated Purge Volume (gal):** 8.0

Sample ID: MW-22D **Sample Time:** 15:46 **QA/QC:** MS050615 & MSD050615

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

NA=Not Analyzed

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
15:14	6.14	16.49	0.707	4.46	17.6	NA	0.5	68.18	Clear
15:19	5.81	17.26	0.721	4.06	12.3	NA	1.0	68.17	Clear
15:24	6.10	21.50	0.738	3.95	9.9	NA	2.0	68.23	Clear
15:29	6.01	18.93	0.756	3.89	-5.2*	NA	3.5	68.18	Clear
15:34	5.99	18.83	0.741	3.88	-12.8*	NA	4.5	68.19	Clear
15:39	6.00	18.77	0.741	3.86	-15.1*	NA	6.5	68.19	Clear
15:44	6.00	18.72	0.742	3.84	-15.9*	NA	7.0	68.19	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft; 4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-23D

Date: 6/15/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 70'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 67.56 **Depth to Well Bottom (ft):** 73.75 **Well Diameter:** 2" **Water Column Height (ft):** 6.19

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 1.05 **Estimated Purge Volume (gal):** 10.0

Sample ID: MW-23D **Sample Time:** 17:39 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
17:09	5.87	16.59	0.754	5.71	119.2	272.1	0.5	67.07	Clear, Slight Milky Color
17:13	6.26	17.70	5.260	5.26	8.2	152.4	1.7	67.57	Clear, Slight Milky Color
17:18	6.40	19.07	0.752	4.94	24.9	134.2	3.2	67.57	Clear, Slight Milky Color
17:23	6.50	19.44	0.753	5.00	---*	144.0	4.7	67.56	Clear, Slight Milky Color
17:28	6.54	19.60	0.753	4.97	---*	152.8	6.2	67.57	Clear, Slight Milky Color
17:33	6.56	19.85	0.753	4.94	---*	158.7	7.7	67.57	Clear, Slight Milky Color
17:38	6.59	19.76	0.752	4.92	---*	164.4	9.2	67.57	Clear, Slight Milky Color
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft; 4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** MW-24D

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: Grundfos Redi-Flo 2 Submersible Pump **Tubing Type:** HDPE **Pump Inlet:** 67'

Measuring Point: Below Top of Riser **Initial Depth to Water (ft):** 65.23 **Depth to Well Bottom (ft):** 68.81 **Well Diameter:** 2" **Water Column Height (ft):** 3.58

Casing: 2" SCH 40 PVC **Vol. in 1 Well Casing (gal):** 0.61 **Estimated Purge Volume (gal):** 13.0

Sample ID: MW-24D **Sample Time:** 15:24 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2 Field Parameters Measured via YSI 6920

Comments: No Sheen, No Odor Detected

*Turbidity meter not functioning properly

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
14:53	6.28	16.24	0.782	5.97	8.0	---	0.5	65.17	Clear
14:58	6.35	17.51	0.770	5.91	---*	348.3	2.5	65.17	Clear
15:03	6.37	17.52	0.775	5.91	---*	380.0	4.0	65.19	Clear
15:08	6.38	17.49	0.773	5.91	---*	399.3	6.0	65.29	Clear
15:13	6.41	17.52	0.777	5.88	---*	409.5	8.0	65.32	Clear
15:18	6.43	17.53	0.780	5.89	---*	420.3	10.0	65.29	Clear
15:23	6.47	17.56	0.783	5.84	---*	411.0	12.0	65.29	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft; 4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11174003.00000 **Site:** NYSDEC-Kliegman Brothers **Well #:** Rinse Blank

Date: 6/16/2005 **Sampling Personnel:** Eric Lovenduski & Mary Millus **Company:** URS Corporation

Purging/ Sampling Device: _____ **Tubing Type:** _____ **Pump Inlet:** _____

Measuring Point: _____ **Initial Depth to Water (ft):** _____ **Depth to Well Bottom (ft):** _____ **Well Diameter:** _____ **Water Column Height (ft):** _____

Casing: _____ **Vol. in 1 Well Casing (gal):** _____ **Estimated Purge Volume (gal):** _____

Sample ID: RB050616 **Sample Time:** 19:30 **QA/QC:** None

Sample Parameters: 3 X Unpreserved VOA 40 ml vials for VOCs via method OLM 4.2

Comments: _____

PURGE PARAMETERS

TIME	pH	TEMP (°C)	Spec. Cond. (ms/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	Total Volume Purged (gal.)	DEPTH TO WATER (btor)	Comments
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**		

Information: WATER VOLUMES--2 inch diameter well = 0.17 gallons/ft;
4 inch diameter well = 0.66 gallons/ft ($vol_{cyl} = \pi r^2 h$)

APPENDIX E

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

KLIEGMAN BROTHERS
SITE ID# 2-41-031
GLENDALE, NEW YORK

Analyses Performed by:

MITKEM CORPORATION
WARWICK, RHODE ISLAND

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

Prepared by:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203

AUGUST 2005

TABLE OF CONTENTS

TABLES

(Following Text)

ATTACHMENTS

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999.

II. ANALYTICAL METHODOLOGIES

The data being evaluated are from the June 14 - 16, 2005 sampling of 24 groundwater samples, 2 matrix spike/matrix spike duplicate (MS/MSD) pairs, 1 equipment rinsate blank, and 2 trip blanks. The analytical laboratory that performed the analyses is Mitkem Corporation of Warwick, RI. The samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) following United States Environmental Protection Agency (USEPA) Method OLM04.2.

Data validation was performed following the requirements of the analytical method and the general guidelines presented in USEPA Region II *CLP Organic Data Review and Preliminary Review*, SOP HW-6, Revision 12, March 2001.

Qualifications applied to the data include 'J' (estimated concentration) and 'UJ' (estimated quantitation limit). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. The validated analytical results are presented on Table 2 (groundwaters), and Table 3 (field QC). Documentation supporting the qualification of data is presented in Attachment A. Copies of the validated laboratory results (i.e., Form I's) are presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

The laboratory deliverable data packages were equivalent to NYSDEC Analytical Services Protocol (ASP) Category B requirements.

IV. PRESERVATION/HOLDING TIMES/SAMPLE RECEIPT

All samples were received by the laboratory intact, properly preserved and under proper chain-of-custody. All samples were extracted and analyzed within the required holding times with the following exceptions.

The VOC analysis for sample MW-12H occurred outside of the USEPA technical holding time of seven days from collection for aromatic compounds in aqueous samples not preserved to pH <2. The results for aromatic compounds benzene, toluene, chlorobenzene, ethylbenzene, styrene, isopropylbezene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2,4-trichlorobenzene, and xylene in sample MW-12H have been qualified 'UJ'.

The initial analysis of sample MW-01S was performed within the holding time. This sample required re-analysis at a dilution due to a high concentration of tetrachloroethene (PCE) in the sample. The diluted analysis of this sample was performed outside of the holding time (i.e., 14 days from the date of collection). The result for PCE in sample MW-01S has been qualified 'J' due to the holding time exceedance. The correlation between the concentration of PCE in the undiluted and diluted sample did not appear to be affected by the excessive delay between the two analyses.

V. NON-CONFORMANCES

- Initial and Continuing Calibrations

  The percent difference (%D) between the initial calibration (ICAL) average relative response factor (RRF) and the RRFs in one or more of the continuing calibration (CCAL)

standards associated with the groundwater samples exceeded 25% for the following VOCs: acetone, 2-butanone, isopropylbenzene, 1,2,4-trichlorobenzene, trichlorofluoromethane, and/or 2-hexanone. The associated groundwater sample results for these compounds were qualified 'UJ', as listed on Table 1.

Documentation supporting the qualification of data (i.e., Forms 5 and 7) is presented in Attachment A.

- Blank Contamination

The VOC equipment rinsate blank was detected for PCE. Those groundwater samples that exhibited detected results for PCE less than five times the value detected in the equipment rinsate blank have been listed on Table 1 and qualified 'U'. This was only applied the undiluted results. Typically, USEPA Region II validation guidelines require that blank concentrations of contaminants be multiplied by any dilution factors used for sample analysis when comparing the blank results against the sample results. However, the current set of groundwater data are consistent with the available historical data, and it is not expected that the results for PCE in any samples other than those listed are due to contamination.

Surrogates

The recoveries of surrogate compounds toluene-d8 and 1,2-dichloroethane-d4 in the undiluted analysis of sample MW-20D were above the upper QC limit. The detected results for cis-1,2-dichloroethene, chloroform, and trichloroethene from the undiluted analysis of this sample were qualified 'J'.

The recoveries of surrogate compounds toluene-d8 and bromofluorobenzene in the undiluted analysis of sample MW-14D were below the lower QC limits. The results for all compounds reported from the undiluted analysis of this sample were qualified 'J' or 'UJ'.

Documentation supporting the qualification of data (i.e., Form 2) is presented in Attachment A.

VI. SAMPLE RESULTS AND REPORTING

All quantitation limits were reported in accordance with method requirements and were adjusted for dilution factors.

Sample results reported from secondary dilution analyses were qualified 'D'. Results less than the Quantitation limits were qualified 'J' by the laboratory.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'J/UJ' are considered conditionally usable. Those results qualified 'U' are considered non-detect. All other sample results are usable as reported. URS does not recommend the recollection of any samples at this time.

Prepared By: Ann Marie Kropovitch, Chemist **Date:** 8/9/05

Reviewed By: James J. Lehnen, Senior Chemist **Date:** 8/10/05

DEFINITIONS OF USEPA DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R – The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

D – The sample result was reported from a secondary dilution analysis.

TABLE 1

SUMMARY OF DATA QUALIFICATIONS

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
Sample MW-12H	VOCs	Analyzed outside of the 7 day holding time for aromatic compounds in unpreserved aqueous samples.	Qualify all non-detect results for aromatic compounds 'UJ'.
Sample MW-01S	VOCs	Secondary dilution analysis performed outside of the 14 day holding time for VOCs.	Qualify detected result for PCE 'J'.
Sample MW-20D (undiluted analysis)	VOCs	Surrogates tolune-d8 and 1,2-dichloroethane-d4 %R > QC limits.	Qualify detected results from undiluted analysis 'J'.
Sample MW-14D (undiluted analysis)	VOCs	Surrogates toluene-d8 and bromofluorobenzene < QC limits.	Qualify detected results from undiluted analysis 'J' and non-detect results 'UJ'.
Samples MW-01, MW-03D, MW-06S, MW-11D, MW-16D, MW-18D, MW-19D, MW-21D, MW-22D, MW-24D	VOCs	CCAL %D > 25% for acetone, 2-butanone, and 2-hexanone.	Qualify non-detect results 'UJ'.
Samples MW-02D, MW-17D, and MW-23D	VOCs	CCAL %D > 25% for acetone, isopropylbenzene, and 1,2,4-trichlorobenzene.	Qualify non-detect results 'UJ'.
Samples MW-01S, MW-07D, MW-09S, MW-15D, MW-20D, RB050616, TB050615, Trip Blank (6/16/05)	VOCs	CCAL %D > 25% for acetone and 2-butanone.	Qualify non-detect results 'UJ'.
Samples MW-05D, MW-08S, and MW-13H	VOCs	CCAL %D > 25% for trichlorofluoromethane.	Qualify non-detect results 'UJ'.
Samples MW-08S, MW-12H, and MW-13H	VOCs	Equipment rinsate blank detected for tetrachloroethene, sample results <5X blank value.	Qualify 'U' at the quantitation limit or reported concentration, whichever is higher.

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-01	MW-01S	MW-02D	MW-03D	MW-04D
Sample ID		MW-01	MW-01S	MW-02D	MW-03D	MW-04D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/16/05	06/15/05	06/15/05	06/16/05	06/16/05
Parameter	Units					
Volatiles						
1,1,1-Trichloroethane	UG/L	8 J	2 J	5 J	66	110
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	UG/L	2 J	10 U	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	7 J	10 U	10 U	10 U	10 U
1,1-Dichloroethene	UG/L	6 J	10 U	2 J	14	25
1,2,4-Trichlorobenzene	UG/L	10 U	10 U	10 UJ	10 U	10 U
1,2-Dibromo-3-chloropropane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	UG/L	4 J	10 U	10 U	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Butanone	UG/L	10 UJ	10 UJ	10 U	10 UJ	10 U
2-Hexanone	UG/L	10 UJ	10 U	10 U	10 UJ	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 U	10 U
Acetone	UG/L	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Benzene	UG/L	1 J	10 U	10 U	10 U	10 U
Bromoform	UG/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	6 J	5 J	2 J	11	20

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-01	MW-01S	MW-02D	MW-03D	MW-04D
Sample ID		MW-01	MW-01S	MW-02D	MW-03D	MW-04D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/16/05	06/15/05	06/15/05	06/16/05	06/16/05
Parameter	Units					
Volatiles						
Chlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroform	UG/L	74	10 U	10 U	1 J	4 J
Chloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	UG/L	6,000 D	10 U	3 J	4 J	16
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Cyclohexane	UG/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene (Cumene)	UG/L	10 U	10 U	10 UJ	10 U	10 U
Methyl acetate	UG/L	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	10 U	10 U	10 U	1 J	3 J
Methylcyclohexane	UG/L	10 U	10 U	10 U	10 U	10 U
Methylene chloride	UG/L	2 J	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
Styrene	UG/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	UG/L	5,300 D	320 DJ	2,600 D	43,000 D	75,000 D
Toluene	UG/L	10 U	10 U	10 U	1 J	4 J
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Trichloroethene	UG/L	560 D	10 U	3 J	35	51
Trichlorofluoromethane	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 08/09/05 9:30:17 AM
[MATRIX] = 'WG' AND ([LOGDATE] >= #06/14/05# AND [LOGDATE] <= #06/16/05#)

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-01	MW-01S	MW-02D	MW-03D	MW-04D
Sample ID		MW-01	MW-01S	MW-02D	MW-03D	MW-04D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/16/05	06/15/05	06/15/05	06/16/05	06/16/05
Parameter	Units					
Volatiles						
Vinyl chloride	UG/L	1 J	10 U	10 U	10 U	10 U
1,2-Dichloroethene (trans)	UG/L	1 J	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-05D	MW-06S	MW-07D	MW-08S	MW-09S
Sample ID		MW-05D	MW-06S	MW-07D	MW-08S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/16/05	06/16/05	06/16/05	06/16/05	06/15/05
Parameter	Units					
Volatiles						
1,1,1-Trichloroethane	UG/L	66	10 U	910 D	2 J	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	10 U	10 U	100	10 U	10 U
1,1-Dichloroethene	UG/L	13	10 U	280 D	10 U	10 U
1,2,4-Trichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Butanone	UG/L	10 U	10 UJ	10 UJ	10 U	10 UJ
2-Hexanone	UG/L	10 U	10 UJ	10 U	10 U	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 U	10 U
Acetone	UG/L	10 U	10 UJ	10 UJ	10 U	10 UJ
Benzene	UG/L	10 U	10 U	2 J	10 U	10 U
Bromoform	UG/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	9 J	10 U	43	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-05D	MW-06S	MW-07D	MW-08S	MW-09S
Sample ID		MW-05D	MW-06S	MW-07D	MW-08S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/16/05	06/16/05	06/16/05	06/16/05	06/15/05
Parameter	Units					
Volatiles						
Chlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroform	UG/L	2 J	10 U	13	10 U	2 J
Chloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	UG/L	6 J	17	52	10 U	10 U
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Cyclohexane	UG/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene (Cumene)	UG/L	10 U	10 U	10 U	10 U	10 U
Methyl acetate	UG/L	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	2 J	2 J	10 U	1 J	10 U
Methylcyclohexane	UG/L	10 U	10 U	10 U	10 U	10 U
Methylene chloride	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
Styrene	UG/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	UG/L	31,000 D	200 D	1,200 D	10 U	10 U
Toluene	UG/L	2 J	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Trichloroethene	UG/L	44	2 J	530 D	2 J	10 U
Trichlorofluoromethane	UG/L	10 UJ	10 U	35	10 UJ	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-05D	MW-06S	MW-07D	MW-08S	MW-09S
Sample ID		MW-05D	MW-06S	MW-07D	MW-08S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/16/05	06/16/05	06/16/05	06/16/05	06/15/05
Parameter	Units					
Volatiles						
Vinyl chloride	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (trans)	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 08/09/05 9:30:17 AM
[MATRIX] = 'WG' AND ([LOGDATE] >= #06/14/05# AND [LOGDATE] <= #06/15/05#)

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-11D	MW-12H	MW-13H	MW-14D	MW-15D
Sample ID		MW-11D	MW-12H	MW-13H	MW-14D	MW-15D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/14/05	06/16/05	06/16/05	06/16/05	06/16/05
Parameter	Units					
Volatiles						
1,1,1-Trichloroethane	UG/L	4 J	10 U	13	54 J	2 J
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U	1 J	10 U
1,1-Dichloroethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
1,1-Dichloroethene	UG/L	10 U	10 U	3 J	14 J	10 U
1,2,4-Trichlorobenzene	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
1,2-Dibromo-3-chloropropane	UG/L	10 U	10 U	10 U	10 UJ	10 U
1,2-Dibromoethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
1,2-Dichloroethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
1,2-Dichloropropane	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
2-Butanone	UG/L	10 UJ	10 U	10 U	10 UJ	10 UJ
2-Hexanone	UG/L	10 UJ	10 U	10 U	10 UJ	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 UJ	10 U
Acetone	UG/L	10 UJ	10 U	10 U	10 UJ	10 UJ
Benzene	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
Bromoform	UG/L	10 U	10 U	10 U	10 UJ	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
Carbon disulfide	UG/L	10 U	10 U	10 U	10 UJ	10 U
Carbon tetrachloride	UG/L	2 J	10 U	10 U	11 J	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-11D	MW-12H	MW-13H	MW-14D	MW-15D
Sample ID		MW-11D	MW-12H	MW-13H	MW-14D	MW-15D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/14/05	06/16/05	06/16/05	06/16/05	06/16/05
Parameter	Units					
Volatiles						
Chlorobenzene	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
Chloroform	UG/L	10 U	10 U	2 J	3 J	10 U
Chloromethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
cis-1,2-Dichloroethene	UG/L	10 U	2 J	10 U	19 J	7 J
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 UJ	10 U
Cyclohexane	UG/L	10 U	10 U	10 U	10 UJ	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
Dichlorodifluoromethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
Ethylbenzene	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10 U	10 U	10 U	10 UJ	10 U
Isopropylbenzene (Cumene)	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
Methyl acetate	UG/L	10 U	10 U	10 U	10 UJ	10 U
Methyl tert-butyl ether	UG/L	10 U	10 U	10 U	9 J	10 U
Methylcyclohexane	UG/L	10 U	10 U	10 U	10 UJ	10 U
Methylene chloride	UG/L	10 U	10 U	10 U	10 UJ	10 U
Xylene (total)	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
Styrene	UG/L	10 U	10 UJ	10 U	10 UJ	10 U
Tetrachloroethene	UG/L	920 D	37 U	10 U	40,000 D	310 D
Toluene	UG/L	10 U	10 UJ	10 U	4 J	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 UJ	10 U
Trichloroethene	UG/L	2 J	10 U	10 U	31 J	44
Trichlorofluoromethane	UG/L	10 U	10 U	10 UJ	10 UJ	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-11D	MW-12H	MW-13H	MW-14D	MW-15D
Sample ID		MW-11D	MW-12H	MW-13H	MW-14D	MW-15D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/14/05	06/16/05	06/16/05	06/16/05	06/16/05
Parameter	Units					
Volatiles						
Vinyl chloride	UG/L	10 U	10 U	10 U	10 UJ	10 U
1,2-Dichloroethene (trans)	UG/L	10 U	10 U	10 U	10 UJ	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 08/09/05 9:30:18 AM
[MATRIX] = 'WG' AND ([LOGDATE] >= #06/14/05# AND [LOGDATE] <= #06/16/05#)

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-16D	MW-17D	MW-18D	MW-19D	MW-20D
Sample ID		MW-16D	MW-17D	MW-18D	MW-19D	MW-20D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/15/05	06/15/05	06/15/05	06/15/05	06/16/05
Parameter	Units					
Volatiles						
1,1,1-Trichloroethane	UG/L	190	150	12	4 J	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	45	8 J	10 U	10 U	10 U
1,1-Dichloroethene	UG/L	72	56	2 J	10 U	10 U
1,2,4-Trichlorobenzene	UG/L	10 U	10 UJ	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dibromoethane	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	UG/L	10 U	7 J	10 U	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
2-Butanone	UG/L	10 UJ	10 U	10 UJ	10 UJ	10 UJ
2-Hexanone	UG/L	10 UJ	10 U	10 UJ	10 UJ	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 U	10 U
Acetone	UG/L	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzene	UG/L	10 U	10 U	10 U	10 U	10 U
Bromoform	UG/L	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	UG/L	10 U	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	49	46	2 J	1 J	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-16D	MW-17D	MW-18D	MW-19D	MW-20D
Sample ID		MW-16D	MW-17D	MW-18D	MW-19D	MW-20D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/15/05	06/15/05	06/15/05	06/15/05	06/16/05
Parameter	**Units**					
Volatiles						
Chlorobenzene	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Chloroform	UG/L	13	9 J	10 U	10 U	1 J
Chloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	UG/L	15	16	4 J	2 J	8 J
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Cyclohexane	UG/L	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	UG/L	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10 U	10 U	10 U	10 U	10 U
Isopropylbenzene (Cumene)	UG/L	10 U	10 UJ	10 U	10 U	10 U
Methyl acetate	UG/L	10 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	5 J	10 U	3 J	140	10 U
Methylcyclohexane	UG/L	10 U	10 U	10 U	10 U	10 U
Methylene chloride	UG/L	10 U	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U	10 U
Styrene	UG/L	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	UG/L	350 D	8,400 D	5,700 D	2,300 D	370 D
Toluene	UG/L	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U	10 U
Trichloroethene	UG/L	640 D	86	19	5 J	28 J
Trichlorofluoromethane	UG/L	39	4 J	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-16D	MW-17D	MW-18D	MW-19D	MW-20D
Sample ID		MW-16D	MW-17D	MW-18D	MW-19D	MW-20D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		06/15/05	06/15/05	06/15/05	06/15/05	06/16/05
Parameter	Units					
Volatiles						
Vinyl chloride	UG/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (trans)	UG/L	10 U	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

N:\11171964.00000\DB\Program\EDMS.mdb
Printed: 08/09/05 9:30:18 AM
[MATRIX] = 'WG' AND ([LOGDATE] >= #05/14/05# AND [LOGDATE] <= #06/16/05#)

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-21D	MW-22D	MW-23D	MW-24D
Sample ID		MW-21D	MW-22D	MW-23D	MW-24D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		06/15/05	06/15/05	06/15/05	06/16/05
Parameter	Units				
Volatiles					
1,1,1-Trichloroethane	UG/L	10 U	10 U	10	37
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	10 U	10 U	10 U	10 U
1,1-Dichloroethene	UG/L	10 U	10 U	5 J	10
1,2,4-Trichlorobenzene	UG/L	10 U	10 U	10 UJ	10 U
1,2-Dibromo-3-chloropropane	UG/L	10 U	10 U	10 U	10 U
1,2-Dibromoethane	UG/L	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	UG/L	10 U	10 U	1 J	10 U
1,2-Dichloropropane	UG/L	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 U	10 U	10 U
2-Butanone	UG/L	10 UJ	10 UJ	10 U	10 UJ
2-Hexanone	UG/L	10 UJ	10 UJ	10 U	10 UJ
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U	10 U
Acetone	UG/L	10 UJ	10 UJ	10 UJ	10 UJ
Benzene	UG/L	10 U	10 U	10 U	10 U
Bromoform	UG/L	10 U	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U	10 U
Carbon disulfide	UG/L	10 U	10 U	10 U	10 U
Carbon tetrachloride	UG/L	10 U	10 U	7 J	9 J

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-21D	MW-22D	MW-23D	MW-24D
Sample ID		MW-21D	MW-22D	MW-23D	MW-24D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		06/15/05	06/15/05	06/15/05	06/16/05
Parameter	Units				
Volatiles					
Chlorobenzene	UG/L	10 U	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U	10 U
Chloroform	UG/L	10 U	10 U	3 J	3 J
Chloromethane	UG/L	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	UG/L	10	1 J	8 J	15
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U
Cyclohexane	UG/L	10 U	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	UG/L	10 U	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10 U	10 U	10 U	10 U
Isopropylbenzene (Cumene)	UG/L	10 U	10 U	10 UJ	10 U
Methyl acetate	UG/L	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	1 J	10 U	10 U	29
Methylcyclohexane	UG/L	10 U	10 U	10 U	10 U
Methylene chloride	UG/L	10 U	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U	10 U
Styrene	UG/L	10 U	10 U	10 U	10 U
Tetrachloroethene	UG/L	300 D	190 D	3,400 D	21,000 D
Toluene	UG/L	10 U	10 U	10 U	1 J
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U	10 U
Trichloroethene	UG/L	19	3 J	10	21
Trichlorofluoromethane	UG/L	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		MW-21D	MW-22D	MW-23D	MW-24D
Sample ID		MW-21D	MW-22D	MW-23D	MW-24D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-
Date Sampled		06/15/05	06/15/05	06/15/05	06/16/05
Parameter	**Units**				
Volatiles					
Vinyl chloride	UG/L	10 U	10 U	10 U	10 U
1,2-Dichloroethene (trans)	UG/L	10 U	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

N:\11171964.00000\DB\Program\EDMS.mde
Printed: 08/09/05 9:30:18 AM
[MATRIX] = 'WG' AND ([LOGDATE] >= #06/14/05# AND [LOGDATE] <= #06/15/05#)

TABLE 3
VALIDATED FIELD QC ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TRIPBLANK	RB050616	TRIPBLANK
Matrix		Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-
Date Sampled		06/15/05	06/16/05	06/16/05
Parameter	Units	Trip Blank (1-1)	Material Rinse Blank (1-1)	Trip Blank (1-1)
Volatiles				
1,1,1-Trichloroethane	UG/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	UG/L	10 U	10 U	10 U
1,1,2-Trichloroethane	UG/L	10 U	10 U	10 U
1,1-Dichloroethane	UG/L	10 U	10 U	10 U
1,1-Dichloroethene	UG/L	10 U	10 U	10 U
1,2,4-Trichlorobenzene	UG/L	10 U	10 U	10 U
1,2-Dibromo-3-chloropropane	UG/L	10 U	10 U	10 U
1,2-Dibromoethane	UG/L	10 U	10 U	10 U
1,2-Dichlorobenzene	UG/L	10 U	10 U	10 U
1,2-Dichloroethane	UG/L	10 U	10 U	10 U
1,2-Dichloropropane	UG/L	10 U	10 U	10 U
1,3-Dichlorobenzene	UG/L	10 U	10 U	10 U
1,4-Dichlorobenzene	UG/L	10 U	10 U	10 U
2-Butanone	UG/L	10 UJ	10 UJ	10 UJ
2-Hexanone	UG/L	10 U	10 U	10 U
4-Methyl-2-pentanone	UG/L	10 U	10 U	10 U
Acetone	UG/L	10 UJ	10 UJ	10 UJ
Benzene	UG/L	10 U	10 U	10 U
Bromoform	UG/L	10 U	10 U	10 U
Bromodichloromethane	UG/L	10 U	10 U	10 U
Bromomethane	UG/L	10 U	10 U	10 U
Carbon disulfide	UG/L	10 U	10 U	10 U
Carbon tetrachloride	UG/L	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TRIPBLANK	RB050616	TRIPBLANK
Matrix		Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-
Date Sampled		06/15/05	06/16/05	06/16/05
Parameter	Units	Trip Blank (1-1)	Material Rinse Blank (1-1)	Trip Blank (1-1)
Volatiles				
Chlorobenzene	UG/L	10 U	10 U	10 U
Chloroethane	UG/L	10 U	10 U	10 U
Chloroform	UG/L	10 U	10 U	10 U
Chloromethane	UG/L	10 U	10 U	10 U
cis-1,2-Dichloroethene	UG/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	UG/L	10 U	10 U	10 U
Cyclohexane	UG/L	10 U	10 U	10 U
Dibromochloromethane	UG/L	10 U	10 U	10 U
Dichlorodifluoromethane	UG/L	10 U	10 U	10 U
Ethylbenzene	UG/L	10 U	10 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	10 U	10 U	10 U
Isopropylbenzene (Cumene)	UG/L	10 U	10 U	10 U
Methyl acetate	UG/L	10 U	10 U	10 U
Methyl tert-butyl ether	UG/L	10 U	10 U	10 U
Methylcyclohexane	UG/L	10 U	10 U	10 U
Methylene chloride	UG/L	10 U	10 U	10 U
Xylene (total)	UG/L	10 U	10 U	10 U
Styrene	UG/L	10 U	10 U	10 U
Tetrachloroethene	UG/L	10 U	55	10 U
Toluene	UG/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	UG/L	10 U	10 U	10 U
Trichloroethene	UG/L	10 U	10 U	10 U
Trichlorofluoromethane	UG/L	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC ANALYTICAL RESULTS
KLIEGMAN BROTHERS

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		TRIPBLANK	RB050616	TRIPBLANK
Matrix		Water Quality	Water Quality	Water Quality
Depth Interval (ft)		-	-	-
Date Sampled		06/15/05	06/16/05	06/16/05
Parameter	Units	Trip Blank (1-1)	Material Rinse Blank (1-1)	Trip Blank (1-1)
Volatiles				
Vinyl chloride	UG/L	10 U	10 U	10 U
1,2-Dichloroethene (trans)	UG/L	10 U	10 U	10 U

Flags assigned during chemistry validation are shown.

MADE BY:_AMK 08/02/05_
CHKD BY:_JJL 08/04/05_

Detection Limits shown are PQL

ATTACHMENT A

SUPPORT DOCUMENTATION

39 BOTTLES THIS PAGE

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11174003.00000

SITE NAME Kliegman Brothers, Glendale, NY

SAMPLERS (PRINT/SIGNATURE) Eric Lavendusky/EJS & Mary Millus

LAB Mitkem

COOLER 1 of 1

PAGE 1 of 2

DELIVERY SERVICE: Fed Ex AIRBILL NO.: 850937463828

TESTS

BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	3 - 40ml amber VOAs - unpres	VOCs 624.2	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
MW-11D	6/14/05	2205	GRAB	MW-11D	WG	3	X			N1	-	-	
MW-16D	6/15/05	0938	GRAB	MW-16D	WG	3	X			N1	-	-	
MW-19D	6/15/05	1139	GRAB	MW-19D	WG	3	X			N1	-	-	
MW-18D	6/15/05	1233	GRAB	MW-18D	WG	3	X			N1	-	-	
MW-21D	6/15/05	1328	GRAB	MW-21D	WG	3	X			N1	-	-	
MW-17D	6/15/05	1454	GRAB	MW-17D	WG	3	X			N1	-	-	
MW-22D	6/15/05	1546	GRAB	MW-22D	WG	3	X			N1	-	-	
MW-22D	6/15/05	1546	GRAB	MS 050615	WG	3	X			MS1	-	-	
MW-22D	6/15/05	1546	GRAB	MSD 050615	WG	3	X			SD1	-	-	
MW-09S	6/15/05	1652	GRAB	MW-09S	WG	3	X			N1	-	-	
MW-23D	6/15/05	1739	GRAB	MW-23D	WG	3	X			N1	-	-	
MW-02D	6/15/05	1824	GRAB	MW-02D	WG	3	X			N1	-	-	
MW-01S	6/15/05	1905	GRAB	MW-01S	WG	3	X			N1	-	-	

MATRIX CODES
AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE.

SAMPLE TYPE CODES
TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	6/15/05	19:20		6-16-05	8:45
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS
Samples shipped on ice
Contact Jon Sundquist w/ questions
1-716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11174003.00000

SITE NAME Kliegman Brothers, Glendale, NY

SAMPLERS (PRINT/SIGNATURE) Eric Lovendusky; [signature] / Mary Millus; [signature]

DELIVERY SERVICE: FedEx AIRBILL NO.: 850937463828

LAB Mitkem

COOLER 1 of 1

PAGE 2 of 2

TESTS

BOTTLE TYPE AND PRESERVATIVE

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	VOCs OLM 4.2	2 voA amber	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERTMS)
TRIP BLANK	06/15/05	—	GRAB	TB 050615	WQ	2	X			TBI	—	—	

MATRIX CODES

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE.

SAMPLE TYPE CODES

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
[signature]	06/15/05	19:26	[signature]	6-16-05	8:45
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

Samples shipped on ice

Call Jon Sundquist w/ questions

1-716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to URS Corporation's Kliegman Brothers project. Under this deliverable, analysis results are presented for twelve aqueous samples that were received on June 16, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing sample client ID with laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Trap used for instrument V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The aqueous samples were not acid preserved; pH 7.

Surrogate recovery: recoveries were within the QC limits with the exception of low recovery of bromofluorobenzene in the diluted analysis for sample MW-01S. Surrogate recoveries were within the QC limits in the initial analysis.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample MW-22D. Spike recoveries were within the QC limits. Replicate RPDs were within the QC limits with the exception of chlorobenzene.

Sample analysis: to ensure that all target analytes were determined within the instrument calibration range, the following samples were re-analyzed at dilution: MW-01S (2.5x), MW-02D (20x), MW-11D (10x), MW-16D (5x), MW-17D (80x), MW-18D (50x), MW-19D (20x), MW-21D (2x), MW-22D (2x) and MW-23D (20x). The re-analysis at dilution for sample MW-01S was performed outside of hold time. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
07/15/05

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Lab File ID: V6D6700 BFB Injection Date: 06/17/05

Instrument ID: V6 BFB Injection Time: 0908

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	17.0
75	30.0 - 66.0% of mass 95	45.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 120.0% of mass 95	86.0
175	4.0 - 9.0% of mass 174	6.1 (7.0)1
176	93.0 - 101.0% of mass 174	83.7 (97.4)1
177	5.0 - 9.0% of mass 176	5.5 (6.5)2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506L	VSTD0506L	V6D6701	06/17/05	0937
02	VBLK6L	MB-18590	V6D6702	06/17/05	1017
03	V6LLCS	LCS-18590	V6D6703	06/17/05	1059
04	MW-11D	D0695-01A	V6D6715	06/17/05	1711
05	MW-16D	D0695-02A	V6D6716	06/17/05	1739
06	MW-19D	D0695-03A	V6D6717	06/17/05	1806
07	MW-18D	D0695-04A	V6D6718	06/17/05	1834
08	MW-21D	D0695-05A	V6D6719	06/17/05	1901
09	MW-22D	D0695-07A	V6D6720	06/17/05	1928
10	MW-22DMS	D0695-07AMS	V6D6722	06/17/05	2024
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Instrument ID: V6 Calibration Date: 06/17/05 Time: 0937

Lab File ID: V6D6701 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506L Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.043	1.755		-14.1	
Chloromethane	1.651	1.510		-8.5	
Vinyl Chloride	1.614	1.511	0.100	-6.4	25.0
Bromomethane	0.940	0.971	0.100	3.3	25.0
Chloroethane	0.721	0.739		2.5	
Trichlorofluoromethane	2.083	1.967		-5.6	
1,1-Dichloroethene	1.306	1.321	0.100	1.1	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.227	1.190		-3.0	
Acetone	0.498	0.670		34.5	
Carbon Disulfide	4.031	3.633		-9.9	
Methyl Acetate	0.833	0.745		-10.6	
Methylene Chloride	1.388	1.388		0.0	
trans-1,2-Dichloroethene	1.606	1.682		4.7	
Methyl tert-Butyl Ether	3.771	4.082		8.2	
1,1-Dichloroethane	3.039	3.056	0.200	0.6	25.0
cis-1,2-Dichloroethene	1.473	1.712		16.2	
2-Butanone	0.638	0.890		39.5	
Chloroform	3.332	3.264	0.200	-2.0	25.0
1,1,1-Trichloroethane	0.546	0.485	0.100	-11.2	25.0
Cyclohexane	0.439	0.456		3.9	
Carbon Tetrachloride	0.547	0.456	0.100	-16.6	25.0
Benzene	1.115	1.196	0.500	7.3	25.0
1,2-Dichloroethane	3.025	2.879	0.100	-4.8	25.0
Trichloroethene	0.375	0.406	0.300	8.3	25.0
Methylcyclohexane	0.420	0.448		6.7	

All other compounds must meet a minimum RRF of 0.010.

7B
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Instrument ID: V6 Calibration Date: 06/17/05 Time: 0937

Lab File ID: V6D6701 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506L Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.329	0.325		-1.2	
Bromodichloromethane	0.480	0.457	0.200	-4.8	25.0
cis-1,3-Dichloropropene	0.384	0.425	0.200	10.7	25.0
4-Methyl-2-Pentanone	0.250	0.262		4.8	
Toluene	1.310	1.432	0.400	9.3	25.0
trans-1,3-Dichloropropene	0.420	0.425	0.100	1.2	25.0
1,1,2-Trichloroethane	0.307	0.307	0.100	0.0	25.0
Tetrachloroethene	0.326	0.348	0.200	6.7	25.0
2-Hexanone	0.169	0.214		26.6	
Dibromochloromethane	0.390	0.368	0.100	-5.6	25.0
1,2-Dibromoethane	0.342	0.353		3.2	
Chlorobenzene	0.975	1.031	0.500	5.7	25.0
Ethylbenzene	0.479	0.538	0.100	12.3	25.0
Xylene (Total)	0.556	0.628	0.300	12.9	25.0
Styrene	0.753	0.833	0.300	10.6	25.0
Bromoform	0.263	0.230	0.100	-12.5	25.0
Isopropylbenzene	1.406	1.625		15.6	
1,1,2,2-Tetrachloroethane	0.374	0.352	0.300	-5.9	25.0
1,3-Dichlorobenzene	0.751	0.848	0.600	12.9	25.0
1,4-Dichlorobenzene	0.808	0.890	0.500	10.1	25.0
1,2-Dichlorobenzene	0.745	0.807	0.400	8.3	25.0
1,2-Dibromo-3-chloropropane	0.079	0.069		-12.7	
1,2,4-Trichlorobenzene	0.404	0.467	0.200	15.6	25.0
Toluene-d8	1.378	1.297		-5.9	
Bromofluorobenzene	0.573	0.528	0.200	-7.9	25.0
1,2-Dichloroethane-d4	3.022	2.575		-14.8	

All other compounds must meet a minimum RRF of 0.010.

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Lab File ID: V6D6730 BFB Injection Date: 06/20/05

Instrument ID: V6 BFB Injection Time: 0910

GC Column: DB-624 ID: 0.25 (mm)

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	50.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.8 (0.9)1
174	50.0 - 120.0% of mass 95	89.6
175	4.0 - 9.0% of mass 174	6.6 (7.4)1
176	93.0 - 101.0% of mass 174	87.4 (97.5)1
177	5.0 - 9.0% of mass 176	5.6 (6.5)2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506M	VSTD0506M	V6D6731	06/20/05	0938
02	VBLK6M	MB-18612	V6D6732	06/20/05	1021
03	MW-21DDL	D0695-05ADL	V6D6736	06/20/05	1237
04	MW-22DDL	D0695-07ADL	V6D6740	06/20/05	1450
05	MW-22DMSD	D0695-07AMSD	V6D6741	06/20/05	1517
06	MW-16DDL	D0695-02ADL	V6D6743	06/20/05	1622
07	MW-11DL	D0695-01ADL	V6D6745	06/20/05	1717
08	MW-19DDL	D0695-03ADL	V6D6747	06/20/05	1812
09	MW-17D	D0695-06A	V6D6749	06/20/05	1907
10	MW-23D	D0695-09A	V6D6751	06/20/05	2002
11	MW-02D	D0695-10A	V6D6752	06/20/05	2030
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Instrument ID: V6 Calibration Date: 06/20/05 Time: 0938

Lab File ID: V6D6731 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506M Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.043	1.994		-2.4	
Chloromethane	1.651	1.616		-2.1	
Vinyl Chloride	1.614	1.644	0.100	1.9	25.0
Bromomethane	0.940	1.164	0.100	23.8	25.0
Chloroethane	0.721	0.885		22.7	
Trichlorofluoromethane	2.083	2.307		10.8	
1,1-Dichloroethene	1.306	1.359	0.100	4.1	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.227	1.314		7.1	
Acetone	0.498	0.746		49.8	
Carbon Disulfide	4.031	4.241		5.2	
Methyl Acetate	0.833	0.849		1.9	
Methylene Chloride	1.388	1.496		7.8	
trans-1,2-Dichloroethene	1.606	1.749		8.9	
Methyl tert-Butyl Ether	3.771	4.302		14.1	
1,1-Dichloroethane	3.039	3.308	0.200	8.9	25.0
cis-1,2-Dichloroethene	1.473	1.607		9.1	
2-Butanone	0.638	0.784		22.9	
Chloroform	3.332	3.721	0.200	11.7	25.0
1,1,1-Trichloroethane	0.546	0.589	0.100	7.9	25.0
Cyclohexane	0.439	0.418		-4.8	
Carbon Tetrachloride	0.547	0.592	0.100	8.2	25.0
Benzene	1.115	1.241	0.500	11.3	25.0
1,2-Dichloroethane	3.025	3.406	0.100	12.6	25.0
Trichloroethene	0.375	0.421	0.300	12.3	25.0
Methylcyclohexane	0.420	0.417		-0.7	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Instrument ID: V6 Calibration Date: 06/20/05 Time: 0938

Lab File ID: V6D6731 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506M Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
1,2-Dichloropropane	0.329	0.351		6.7		
Bromodichloromethane	0.480	0.548	0.200	14.2	25.0	
cis-1,3-Dichloropropene	0.384	0.436	0.200	13.5	25.0	
4-Methyl-2-Pentanone	0.250	0.272		8.8		
Toluene	1.310	1.558	0.400	18.9	25.0	
trans-1,3-Dichloropropene	0.420	0.480	0.100	14.3	25.0	
1,1,2-Trichloroethane	0.307	0.323	0.100	5.2	25.0	
Tetrachloroethene	0.326	0.365	0.200	12.0	25.0	
2-Hexanone	0.169	0.207		22.5		
Dibromochloromethane	0.390	0.436	0.100	11.8	25.0	
1,2-Dibromoethane	0.342	0.383		12.0		
Chlorobenzene	0.975	1.123	0.500	15.2	25.0	
Ethylbenzene	0.479	0.561	0.100	17.1	25.0	
Xylene (Total)	0.556	0.680	0.300	22.3	25.0	
Styrene	0.753	0.905	0.300	20.2	25.0	
Bromoform	0.263	0.292	0.100	11.0	25.0	
Isopropylbenzene	1.406	1.787		27.1		
1,1,2,2-Tetrachloroethane	0.374	0.393	0.300	5.1	25.0	
1,3-Dichlorobenzene	0.751	0.904	0.600	20.4	25.0	
1,4-Dichlorobenzene	0.808	0.974	0.500	20.5	25.0	
1,2-Dichlorobenzene	0.745	0.885	0.400	18.8	25.0	
1,2-Dibromo-3-chloropropane	0.079	0.092		16.5		
1,2,4-Trichlorobenzene	0.404	0.507	0.200	25.5	25.0	<-
Toluene-d8	1.378	1.297		-5.9		
Bromofluorobenzene	0.573	0.549	0.200	-4.2	25.0	
1,2-Dichloroethane-d4	3.022	2.759		-8.7		

All other compounds must meet a minimum RRF of 0.010.

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Lab File ID: V6D6760 BFB Injection Date: 06/21/05

Instrument ID: V6 BFB Injection Time: 0927

GC Column: DB-624 ID: 0.25 (mm)

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	51.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 120.0% of mass 95	84.0
175	4.0 - 9.0% of mass 174	6.3 (7.5)1
176	93.0 - 101.0% of mass 174	79.1 (94.1)1
177	5.0 - 9.0% of mass 176	5.3 (6.7)2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506N	VSTD0506N	V6D6761	06/21/05	0952
02	VBLK6N	MB-18638	V6D6762	06/21/05	1035
03	MW-09S	D0695-08A	V6D6764	06/21/05	1156
04	TRIPBLANK	D0695-12A	V6D6765	06/21/05	1237
05	MW-01S	D0695-11A	V6D6766	06/21/05	1306
06	MW-02DDL	D0695-10ADL	V6D6769	06/21/05	1443
07	MW-23DDL	D0695-09ADL	V6D6770	06/21/05	1511
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Instrument ID: V6 Calibration Date: 06/21/05 Time: 0952

Lab File ID: V6D6761 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506N Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.043	1.962		-4.0	
Chloromethane	1.651	1.487		-9.9	
Vinyl Chloride	1.614	1.532	0.100	-5.1	25.0
Bromomethane	0.940	1.013	0.100	7.8	25.0
Chloroethane	0.721	0.785		8.9	
Trichlorofluoromethane	2.083	2.443		17.3	
1,1-Dichloroethene	1.306	1.314	0.100	0.6	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.227	1.391		13.4	
Acetone	0.498	0.688		38.2	
Carbon Disulfide	4.031	3.784		-6.1	
Methyl Acetate	0.833	0.854		2.5	
Methylene Chloride	1.388	1.324		-4.6	
trans-1,2-Dichloroethene	1.606	1.546		-3.7	
Methyl tert-Butyl Ether	3.771	3.862		2.4	
1,1-Dichloroethane	3.039	2.995	0.200	-1.4	25.0
cis-1,2-Dichloroethene	1.473	1.427		-3.1	
2-Butanone	0.638	0.800		25.4	
Chloroform	3.332	3.332	0.200	0.0	25.0
1,1,1-Trichloroethane	0.546	0.558	0.100	2.2	25.0
Cyclohexane	0.439	0.423		-3.6	
Carbon Tetrachloride	0.547	0.558	0.100	2.0	25.0
Benzene	1.115	1.131	0.500	1.4	25.0
1,2-Dichloroethane	3.025	3.161	0.100	4.5	25.0
Trichloroethene	0.375	0.376	0.300	0.3	25.0
Methylcyclohexane	0.420	0.408		-2.9	

All other compounds must meet a minimum RRF of 0.010.

38 Bottles - this page

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11174003.00000

SITE NAME Kliegman Brothers, Glendale, NY

LAB M.itkem

COOLER 1 of 1

PAGE 1 of 2

SAMPLERS (PRINT/SIGNATURE) Eric Loverdusk: EL ; Mary Millus MM

DELIVERY SERVICE: Fed Ex AIRBILL NO.: 8509 3746 3839

TESTS — VOCs OLM 4.0.2

BOTTLE TYPE AND PRESERVATIVE — 40 ML glass amber VOA empty

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
MW-07D	6/16/05	0912		MW-07D	WG	3	01	N1	-	-	
MW-08S	6/16/05	0943		MW-08S	WG	3	02	N1	-	-	
MW-13H	6/16/05	1025		MW-13H	WG	3	03	N1	-	-	
MW-20D	6/16/05	1130		MW-20D	WG	3	04	N1	-	-	
MW-20D	6/16/05	1130		MS050616	WG	2	04 Assuming MS/MSD for MW-20D	MS1	-	-	
MW-20D	6/16/05	1130		MSD 050616	WG	~~3~~ 2		SD1	-	-	
MW-15D	6/16/05	1238		MW-15D	WG	3	05	N1	-	-	
MW-05D	6/16/05	1355		MW-05D	WG	3	06	N1	-	-	
MW-14D	6/16/05	1440		MW-14D	WG	3	07	N1	-	-	
MW-24D	6/16/05	1524		MW-24D	WG	3	08	N1	-	-	
MW-12H	6/16/05	1617		MW-12H	WG	3	09	N1	-	-	
MW-04D	6/16/05	1656		MW-04D	WG	3	10	N1	-	-	
MW-06S	6/16/05	1740		MW-06S	WG	3	11	N1	-	-	

MATRIX CODES

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE.

SAMPLE TYPE CODES

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
MM	6/16/05	1940	Joseph H Healy	6/17/05	08:30
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

Samples shipped on ice

Contact Jon Sundquist with ?'s

1-716-856-5636

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11174003.00000

SITE NAME Kliegman Brothers, Glendale, NY

SAMPLERS (PRINT/SIGNATURE) Eric Lovendusk: /s/ Mary Millus

LAB Mitkem

COOLER 1 of 1

PAGE 2 of 2

DELIVERY SERVICE: Fed Ex AIRBILL NO.: 850937403839

TESTS: VOCs 0LM10.2

BOTTLE TYPE AND PRESERVATIVE: 40 mL VOA vial amber w/HCl

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
MW-01	6/16/05	1820	GRAB	MW-01	WG	3	12	N1	-	-	
MW-03D	6/16/05	1911	GRAB	MW-03D	WG	3	63	N1	-	-	
RINSE BLANK	6/16/05	1930	GRAB	RB050616	WG	3	HCL PRESERVED 14	RB1	-	-	
~~RINSE BLANK~~	~~6/16/05~~	~~1930~~		TripBlank Also Rec'd 6/17/05							
				9 Bottles this page							

MATRIX CODES						
	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE.

SAMPLE TYPE CODES			
TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
/s/	6/16/05	1940	/s/	6/17/05	0830
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS

Samples shipped on ice.

Contact Jan Sundquist w/ questions

1-716-856-5636 4°C

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to URS Corporation's Kliegman Brothers project. Under this deliverable, analysis results are presented for fifteen aqueous samples that were received on June 17, 2005. Analyses were performed per specifications in the project's contract and the chain of custody forms. Following the narrative is the Mitkem Work Order for cross-referencing sample client ID with laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Trap used for instrument V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The aqueous samples were not acid preserved; pH 7.

Surrogate recovery: recoveries were within the QC limits with the exception of high recovery of toluene-d8 and 1,2-dichoroethane-d4 in sample MW-20D and low recovery of toluene-d8 and bromofluorobenzene in sample MW-14D. The samples were re-analyzed at dilution with surrogate recoveries within the QC limits.

Lab control sample: spike recoveries were within the QC limits.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample MW-20D. Spike recoveries were within the QC limits. Replicate RPDs were not within the QC limits for all analytes.

Sample analysis: to ensure that all target analytes were determined within the instrument calibration range, the following samples were re-analyzed at dilution: MW-01 (50x), MW-03D (250x), MW-04D (400x), MW-06S (2x), MW-07D (10x), MW-14D (250x), MW-15D (4x) and MW-20D (5x). The re-analyses at dilution were performed outside of hold time. No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
07/15/05

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

	EPA SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
01	VBLK6N	99	97	109		0
02	V6NLCS	99	98	112		0
03	TRIPBLANK	99	91	107		0
04	RB050616	98	115	112		0
05	MW-07D	93	108	106		0
06	MW-15D	95	92	111		0
07	MW-20D	114*	107	133*		2
08	MW-20DMSD	102	97	114		0
09	VBLK6P	95	92	103		0
10	MW-08S	98	91	96		0
11	MW-13H	94	91	102		0
12	MW-20DDL	107	103	113		0
13	MW-05D	91	86	98		0
14	MW-14D	85*	83*	97		2
15	VBLK6Q	97	92	94		0
16	MW-15DDL	98	96	100		0
17	MW-20DMS	94	93	99		0
18	MW-24D	91	89	96		0
19	MW-04D	88	87	94		0
20	MW-06S	92	92	98		0
21	MW-01	89	89	89		0
22	MW-03D	91	93	98		0
23	VBLK6R	97	96	101		0
24	MW-12H	94	89	99		0
25	MW-06SDL	105	102	109		0
26	MW-14DDL	95	90	98		0
27	VBLK6U	93	90	99		0
28	MW-07DDL	100	95	104		0
29	MW-01DL	103	102	101		0
30	MW-03DDL	93	89	101		0

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(88-110)
SMC2 (BFB) = Bromofluorobenzene	(86-115)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(76-114)

Column to be used to flag recovery values

* Values outside of contract required QC limits

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Lab File ID: V6D6760 BFB Injection Date: 06/21/05

Instrument ID: V6 BFB Injection Time: 0927

GC Column: DB-624 ID: 0.25 (mm)

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	51.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 120.0% of mass 95	84.0
175	4.0 - 9.0% of mass 174	6.3 (7.5)1
176	93.0 - 101.0% of mass 174	79.1 (94.1)1
177	5.0 - 9.0% of mass 176	5.3 (6.7)2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506N	VSTD0506N	V6D6761	06/21/05	0952
02	VBLK6N	MB-18638	V6D6762	06/21/05	1035
03	V6NLCS	LCS-18638	V6D6763	06/21/05	1116
04	TRIPBLANK	D0708-15A	V6D6774	06/21/05	1704
05	RB050616	D0708-14A	V6D6775	06/21/05	1732
06	MW-07D	D0708-01A	V6D6776	06/21/05	1800
07	MW-15D	D0708-05A	V6D6779	06/21/05	1924
08	MW-20D	D0708-04A	V6D6780	06/21/05	1952
09	MW-20DMSD	D0708-04AMSD	V6D6782	06/21/05	2049
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Instrument ID: V6 Calibration Date: 06/21/05 Time: 0952

Lab File ID: V6D6761 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506N Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.043	1.962		-4.0	
Chloromethane	1.651	1.487		-9.9	
Vinyl Chloride	1.614	1.532	0.100	-5.1	25.0
Bromomethane	0.940	1.013	0.100	7.8	25.0
Chloroethane	0.721	0.785		8.9	
Trichlorofluoromethane	2.083	2.443		17.3	
1,1-Dichloroethene	1.306	1.347	0.100	3.1	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.227	1.391		13.4	
Acetone	0.498	0.688		38.2	
Carbon Disulfide	4.031	3.784		-6.1	
Methyl Acetate	0.833	0.854		2.5	
Methylene Chloride	1.388	1.324		-4.6	
trans-1,2-Dichloroethene	1.606	1.546		-3.7	
Methyl tert-Butyl Ether	3.771	3.862		2.4	
1,1-Dichloroethane	3.039	2.995	0.200	-1.4	25.0
cis-1,2-Dichloroethene	1.473	1.427		-3.1	
2-Butanone	0.638	0.800		25.4	
Chloroform	3.332	3.332	0.200	0.0	25.0
1,1,1-Trichloroethane	0.546	0.558	0.100	2.2	25.0
Cyclohexane	0.439	0.423		-3.6	
Carbon Tetrachloride	0.547	0.558	0.100	2.0	25.0
Benzene	1.115	1.131	0.500	1.4	25.0
1,2-Dichloroethane	3.025	3.161	0.100	4.5	25.0
Trichloroethene	0.375	0.376	0.300	0.3	25.0
Methylcyclohexane	0.420	0.408		-2.9	

All other compounds must meet a minimum RRF of 0.010.

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Lab File ID: V6D6790 BFB Injection Date: 06/22/05

Instrument ID: V6 BFB Injection Time: 0922

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.5
75	30.0 - 66.0% of mass 95	53.8
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	0.8 (0.9)1
174	50.0 - 120.0% of mass 95	90.6
175	4.0 - 9.0% of mass 174	6.8 (7.5)1
176	93.0 - 101.0% of mass 174	86.0 (95.0)1
177	5.0 - 9.0% of mass 176	6.2 (7.3)2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506P	VSTD0506P	V6D6791	06/22/05	0948
02	VBLK6P	MB-18657	V6D6792	06/22/05	1124
03	MW-08S	D0708-02A	V6D6794	06/22/05	1429
04	MW-13H	D0708-03A	V6D6795	06/22/05	1457
05	MW-20DDL	D0708-04ADL	V6D6798	06/22/05	1637
06	MW-05D	D0708-06A	V6D6805	06/22/05	1957
07	MW-14D	D0708-07A	V6D6806	06/22/05	2025
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

0024

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Instrument ID: V6 Calibration Date: 06/22/05 Time: 0948

Lab File ID: V6D6791 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506P Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.043	1.811		-11.4	
Chloromethane	1.651	1.476		-10.6	
Vinyl Chloride	1.614	1.538	0.100	-4.7	25.0
Bromomethane	0.940	1.131	0.100	20.3	25.0
Chloroethane	0.721	0.838		16.2	
Trichlorofluoromethane	2.083	2.789		33.9	
1,1-Dichloroethene	1.306	1.290	0.100	-1.2	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.227	1.245		1.5	
Acetone	0.498	0.622		24.9	
Carbon Disulfide	4.031	3.627		-10.0	
Methyl Acetate	0.833	0.852		2.3	
Methylene Chloride	1.388	1.307		-5.8	
trans-1,2-Dichloroethene	1.606	1.464		-8.8	
Methyl tert-Butyl Ether	3.771	3.494		-7.3	
1,1-Dichloroethane	3.039	2.785	0.200	-8.4	25.0
cis-1,2-Dichloroethene	1.473	1.284		-12.8	
2-Butanone	0.638	0.676		6.0	
Chloroform	3.332	3.163	0.200	-5.1	25.0
1,1,1-Trichloroethane	0.546	0.513	0.100	-6.0	25.0
Cyclohexane	0.439	0.384		-12.5	
Carbon Tetrachloride	0.547	0.505	0.100	-7.7	25.0
Benzene	1.115	1.059	0.500	-5.0	25.0
1,2-Dichloroethane	3.025	3.022	0.100	-0.1	25.0
Trichloroethene	0.375	0.357	0.300	-4.8	25.0
Methylcyclohexane	0.420	0.351		-16.4	

All other compounds must meet a minimum RRF of 0.010.

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Lab File ID: V6D6820 BFB Injection Date: 06/23/05

Instrument ID: V6 BFB Injection Time: 0850

GC Column: DB-624 ID: 0.25 (mm)

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	20.2
75	30.0 - 66.0% of mass 95	50.8
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	1.1 (1.3)1
174	50.0 - 120.0% of mass 95	84.8
175	4.0 - 9.0% of mass 174	4.6 (5.4)1
176	93.0 - 101.0% of mass 174	82.7 (97.5)1
177	5.0 - 9.0% of mass 176	5.4 (6.5)2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506Q	VSTD0506Q	V6D6821	06/23/05	0925
02	VBLK6Q	MB-18686	V6D6822	06/23/05	1004
03	MW-15DDL	D0708-05ADL	V6D6828	06/23/05	1440
04	MW-20DMS	D0708-04AMS	V6D6833	06/23/05	1700
05	MW-24D	D0708-08A	V6D6835	06/23/05	1755
06	MW-04D	D0708-10A	V6D6837	06/23/05	1850
07	MW-06S	D0708-11A	V6D6838	06/23/05	1917
08	MW-01	D0708-12A	V6D6839	06/23/05	1945
09	MW-03D	D0708-13A	V6D6840	06/23/05	2012
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

0025

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Instrument ID: V6 Calibration Date: 06/23/05 Time: 0925

Lab File ID: V6D6821 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506Q Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.043	2.060		0.8	
Chloromethane	1.651	1.593		-3.5	
Vinyl Chloride	1.614	1.627	0.100	0.8	25.0
Bromomethane	0.940	1.047	0.100	11.4	25.0
Chloroethane	0.721	0.840		16.5	
Trichlorofluoromethane	2.083	2.467		18.4	
1,1-Dichloroethene	1.306	1.415	0.100	8.3	25.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.227	1.373		11.9	
Acetone	0.498	0.735		47.6	
Carbon Disulfide	4.031	4.008		-0.6	
Methyl Acetate	0.833	0.874		4.9	
Methylene Chloride	1.388	1.435		3.4	
trans-1,2-Dichloroethene	1.606	1.583		-1.4	
Methyl tert-Butyl Ether	3.771	3.853		2.2	
1,1-Dichloroethane	3.039	3.168	0.200	4.2	25.0
cis-1,2-Dichloroethene	1.473	1.456		-1.2	
2-Butanone	0.638	0.926		45.1	
Chloroform	3.332	3.510	0.200	5.3	25.0
1,1,1-Trichloroethane	0.546	0.574	0.100	5.1	25.0
Cyclohexane	0.439	0.439		0.0	
Carbon Tetrachloride	0.547	0.578	0.100	5.7	25.0
Benzene	1.115	1.138	0.500	2.1	25.0
1,2-Dichloroethane	3.025	3.337	0.100	10.3	25.0
Trichloroethene	0.375	0.384	0.300	2.4	25.0
Methylcyclohexane	0.420	0.404		-3.8	

All other compounds must meet a minimum RRF of 0.010.

7B

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Instrument ID: V6 Calibration Date: 06/23/05 Time: 0925

Lab File ID: V6D6821 Init. Calib. Date(s): 06/06/05 06/06/05

EPA Sample No.(VSTD050##): VSTD0506Q Init. Calib. Times: 0940 1201

Heated Purge: (Y/N) N

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2-Dichloropropane	0.329	0.324		-1.5	
Bromodichloromethane	0.480	0.510	0.200	6.3	25.0
cis-1,3-Dichloropropene	0.384	0.400	0.200	4.2	25.0
4-Methyl-2-Pentanone	0.250	0.275		10.0	
Toluene	1.310	1.432	0.400	9.3	25.0
trans-1,3-Dichloropropene	0.420	0.444	0.100	5.7	25.0
1,1,2-Trichloroethane	0.307	0.302	0.100	-1.6	25.0
Tetrachloroethene	0.326	0.375	0.200	15.0	25.0
2-Hexanone	0.169	0.234		38.5	
Dibromochloromethane	0.390	0.411	0.100	5.4	25.0
1,2-Dibromoethane	0.342	0.367		7.3	
Chlorobenzene	0.975	1.048	0.500	7.5	25.0
Ethylbenzene	0.479	0.519	0.100	8.4	25.0
Xylene (Total)	0.556	0.613	0.300	10.3	25.0
Styrene	0.753	0.824	0.300	9.4	25.0
Bromoform	0.263	0.281	0.100	6.8	25.0
Isopropylbenzene	1.406	1.655		17.7	
1,1,2,2-Tetrachloroethane	0.374	0.376	0.300	0.5	25.0
1,3-Dichlorobenzene	0.751	0.793	0.600	5.6	25.0
1,4-Dichlorobenzene	0.808	0.895	0.500	10.8	25.0
1,2-Dichlorobenzene	0.745	0.800	0.400	7.4	25.0
1,2-Dibromo-3-chloropropane	0.079	0.084		6.3	
1,2,4-Trichlorobenzene	0.404	0.417	0.200	3.2	25.0
Toluene-d8	1.378	1.415		2.7	
Bromofluorobenzene	0.573	0.591	0.200	3.1	25.0
1,2-Dichloroethane-d4	3.022	3.161		4.6	

All other compounds must meet a minimum RRF of 0.010.

ATTACHMENT B

VALIDATED FORM I's

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6839

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	1	J
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	6	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	2	J
156-60-5	trans-1,2-Dichloroethene	1	J
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	7	J
156-59-2	cis-1,2-Dichloroethene	6000 ~~2500~~	E D
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	74	
71-55-6	1,1,1-Trichloroethane	8	J
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	6	J
71-43-2	Benzene	1	J
107-06-2	1,2-Dichloroethane	4	J

1/20/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6839

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	560 ~~510~~	E D
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	2	J
127-18-4	Tetrachloroethene	5300 ~~2200~~	E D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

OLM 7/20/05

0036

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-12ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6893

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl Chloride	500	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	500	U
67-64-1	Acetone	500	U
75-15-0	Carbon Disulfide	500	U
79-20-9	Methyl Acetate	500	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-Butyl Ether	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	6000	D
78-93-3	2-Butanone	500	U
67-66-3	Chloroform	120	DJ
71-55-6	1,1,1-Trichloroethane	500	U
110-82-7	Cyclohexane	500	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	500	U
107-06-2	1,2-Dichloroethane	500	U

7/28/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-12ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6893

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	560	D
108-87-2	Methylcyclohexane	500	U
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	5300	D
591-78-6	2-Hexanone	500	U
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
1330-20-7	Xylene (Total)	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

12/6/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6766

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	2	J
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	5	J
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6766

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	320 ~~360~~	E D5
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

dmk 7/28/05

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-01SDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-11DDL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D7224

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 07/15/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	25	U R
74-87-3	Chloromethane	25	U
75-01-4	Vinyl Chloride	25	U
74-83-9	Bromomethane	25	U
75-00-3	Chloroethane	25	U
75-69-4	Trichlorofluoromethane	25	U
75-35-4	1,1-Dichloroethene	25	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	25	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	25	U
79-20-9	Methyl Acetate	25	U
75-09-2	Methylene Chloride	25	U
156-60-5	trans-1,2-Dichloroethene	25	U
1634-04-4	Methyl tert-Butyl Ether	25	U
75-34-3	1,1-Dichloroethane	25	U
156-59-2	cis-1,2-Dichloroethene	25	U
78-93-3	2-Butanone	25	U
67-66-3	Chloroform	25	U
71-55-6	1,1,1-Trichloroethane	25	U
110-82-7	Cyclohexane	25	U
56-23-5	Carbon Tetrachloride	4	DJ
71-43-2	Benzene	25	U
107-06-2	1,2-Dichloroethane	25	U R

7/28/05

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-01SDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-11DDL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D7224

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 07/15/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.5

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	25	U R
108-87-2	Methylcyclohexane	25	U
78-87-5	1,2-Dichloropropane	25	U
75-27-4	Bromodichloromethane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
108-10-1	4-Methyl-2-Pentanone	25	U
108-88-3	Toluene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
79-00-5	1,1,2-Trichloroethane	25	U
127-18-4	Tetrachloroethene	320	D
591-78-6	2-Hexanone	25	U R
124-48-1	Dibromochloromethane	25	U
106-93-4	1,2-Dibromoethane	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
1330-20-7	Xylene (Total)	25	U
100-42-5	Styrene	25	U
75-25-2	Bromoform	25	U
98-82-8	Isopropylbenzene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
541-73-1	1,3-Dichlorobenzene	25	U
106-46-7	1,4-Dichlorobenzene	25	U
95-50-1	1,2-Dichlorobenzene	25	U
96-12-8	1,2-Dibromo-3-chloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U

7/28/05

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-02D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6752

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	3	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	5	J
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	2	J
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-02D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6752

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2600 ~~1700~~	~~E~~ D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U J
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~~ J

7/26/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-02DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-10ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6769

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

7/26/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-02DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-10ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6769

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	200	U
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
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	2600	D
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6840

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	14	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	1	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	4	J
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	1	J
71-55-6	1,1,1-Trichloroethane	66	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	11	
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-13A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6840

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	35	
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	4300 ~~4300~~	E D
591-78-6	2-Hexanone	10	U J
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

7/28/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-13ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6896

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 250.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2500	U-J
74-87-3	Chloromethane	2500	U
75-01-4	Vinyl Chloride	2500	U
74-83-9	Bromomethane	2500	U
75-00-3	Chloroethane	2500	U
75-69-4	Trichlorofluoromethane	2500	U
75-35-4	1,1-Dichloroethene	2500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2500	U
67-64-1	Acetone	2500	U-J
75-15-0	Carbon Disulfide	2500	U
79-20-9	Methyl Acetate	2500	U
75-09-2	Methylene Chloride	2500	U
156-60-5	trans-1,2-Dichloroethene	2500	U
1634-04-4	Methyl tert-Butyl Ether	2500	U
75-34-3	1,1-Dichloroethane	2500	U
156-59-2	cis-1,2-Dichloroethene	2500	U
78-93-3	2-Butanone	2500	U
67-66-3	Chloroform	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
110-82-7	Cyclohexane	2500	U
56-23-5	Carbon Tetrachloride	2500	U
71-43-2	Benzene	2500	U
107-06-2	1,2-Dichloroethane	2500	U

dmk 7/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-03DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-13ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6896

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 250.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2500	U
108-87-2	Methylcyclohexane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
75-27-4	Bromodichloromethane	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
108-10-1	4-Methyl-2-Pentanone	2500	U
108-88-3	Toluene	2500	U
10061-02-6	trans-1,3-Dichloropropene	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
127-18-4	Tetrachloroethene	43000	D
591-78-6	2-Hexanone	2500	U
124-48-1	Dibromochloromethane	2500	U
106-93-4	1,2-Dibromoethane	2500	U
108-90-7	Chlorobenzene	2500	U
100-41-4	Ethylbenzene	2500	U
1330-20-7	Xylene (Total)	2500	U
100-42-5	Styrene	2500	U
75-25-2	Bromoform	2500	U
98-82-8	Isopropylbenzene	2500	U
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
541-73-1	1,3-Dichlorobenzene	2500	U
106-46-7	1,4-Dichlorobenzene	2500	U
95-50-1	1,2-Dichlorobenzene	2500	U
96-12-8	1,2-Dibromo-3-chloropropane	2500	U
120-82-1	1,2,4-Trichlorobenzene	2500	U

7/28/05

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-04D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6837

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	25	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	3	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	16	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	4	J
71-55-6	1,1,1-Trichloroethane	110	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	20	
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-10A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6837

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	51	
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	4	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	75000 ~~5200~~	E D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

7/8/06

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-04DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-10ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6897

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 400.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	4000	U
74-87-3	Chloromethane	4000	U
75-01-4	Vinyl Chloride	4000	U
74-83-9	Bromomethane	4000	U
75-00-3	Chloroethane	4000	U
75-69-4	Trichlorofluoromethane	4000	U
75-35-4	1,1-Dichloroethene	4000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	4000	U
67-64-1	Acetone	4000	U
75-15-0	Carbon Disulfide	4000	U
79-20-9	Methyl Acetate	4000	U
75-09-2	Methylene Chloride	4000	U
156-60-5	trans-1,2-Dichloroethene	4000	U
1634-04-4	Methyl tert-Butyl Ether	4000	U
75-34-3	1,1-Dichloroethane	4000	U
156-59-2	cis-1,2-Dichloroethene	4000	U
78-93-3	2-Butanone	4000	U
67-66-3	Chloroform	4000	U
71-55-6	1,1,1-Trichloroethane	4000	U
110-82-7	Cyclohexane	4000	U
56-23-5	Carbon Tetrachloride	4000	U
71-43-2	Benzene	4000	U
107-06-2	1,2-Dichloroethane	4000	U

7/8/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-04DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-10ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6897

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 400.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	4000	U
108-87-2	Methylcyclohexane	4000	U
78-87-5	1,2-Dichloropropane	4000	U
75-27-4	Bromodichloromethane	4000	U
10061-01-5	cis-1,3-Dichloropropene	4000	U
108-10-1	4-Methyl-2-Pentanone	4000	U
108-88-3	Toluene	4000	U
10061-02-6	trans-1,3-Dichloropropene	4000	U
79-00-5	1,1,2-Trichloroethane	4000	U
127-18-4	Tetrachloroethene	75000	D
591-78-6	2-Hexanone	4000	U
124-48-1	Dibromochloromethane	4000	U
106-93-4	1,2-Dibromoethane	4000	U
108-90-7	Chlorobenzene	4000	U
100-41-4	Ethylbenzene	4000	U
1330-20-7	Xylene (Total)	4000	U
100-42-5	Styrene	4000	U
75-25-2	Bromoform	4000	U
98-82-8	Isopropylbenzene	4000	U
79-34-5	1,1,2,2-Tetrachloroethane	4000	U
541-73-1	1,3-Dichlorobenzene	4000	U
106-46-7	1,4-Dichlorobenzene	4000	U
95-50-1	1,2-Dichlorobenzene	4000	U
96-12-8	1,2-Dibromo-3-chloropropane	4000	U
120-82-1	1,2,4-Trichlorobenzene	4000	U

7/28/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-05D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6805

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	13	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	2	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	6	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	66	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	9	J
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

6/22/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-05D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6805

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	44	
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	2	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	31000 ~~4700~~	E D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

7/26/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-05DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6925

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/28/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2000	U
74-87-3	Chloromethane	2000	U
75-01-4	Vinyl Chloride	2000	U
74-83-9	Bromomethane	2000	U
75-00-3	Chloroethane	2000	U
75-69-4	Trichlorofluoromethane	2000	U
75-35-4	1,1-Dichloroethene	2000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U
67-64-1	Acetone	2000 ~~580~~	~~DJB~~ 05
75-15-0	Carbon Disulfide	2000	U
79-20-9	Methyl Acetate	2000	U
75-09-2	Methylene Chloride	2000	U
156-60-5	trans-1,2-Dichloroethene	2000	U
1634-04-4	Methyl tert-Butyl Ether	2000	U
75-34-3	1,1-Dichloroethane	2000	U
156-59-2	cis-1,2-Dichloroethene	2000	U
78-93-3	2-Butanone	2000	U
67-66-3	Chloroform	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
110-82-7	Cyclohexane	2000	U
56-23-5	Carbon Tetrachloride	2000	U
71-43-2	Benzene	2000	U
107-06-2	1,2-Dichloroethane	2000	U

7/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-05DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6925

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/28/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2000	U
108-87-2	Methylcyclohexane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
75-27-4	Bromodichloromethane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
108-88-3	Toluene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
127-18-4	Tetrachloroethene	31000	D
591-78-6	2-Hexanone	2000	U
124-48-1	Dibromochloromethane	2000	U
106-93-4	1,2-Dibromoethane	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
1330-20-7	Xylene (Total)	2000	U
100-42-5	Styrene	2000	U
75-25-2	Bromoform	2000	U
98-82-8	Isopropylbenzene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
96-12-8	1,2-Dibromo-3-chloropropane	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U

7/28/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6838

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	2	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	17	
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

6/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-11A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6838

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2	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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	200 ~~230~~	~~E~~ D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

6/28/05

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06SDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-11ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6858

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/24/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	20	U
79-20-9	Methyl Acetate	20	U
75-09-2	Methylene Chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-Butyl Ether	3	DJ
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	21	D
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
110-82-7	Cyclohexane	20	U
56-23-5	Carbon Tetrachloride	20	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	20	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-06SDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-11ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6858

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/24/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2	DJ
108-87-2	Methylcyclohexane	20	U
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	200	D
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
1330-20-7	Xylene (Total)	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U

7/28/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6776

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	35	
75-35-4	1,1-Dichloroethene	280 ~~300~~	~~E~~ D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	100	
156-59-2	cis-1,2-Dichloroethene	52	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	13	
71-55-6	1,1,1-Trichloroethane	910 ~~840~~	~~E~~ D
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	43	
71-43-2	Benzene	2	J
107-06-2	1,2-Dichloroethane	10	U

6/22/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6776

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	530 ~~550~~	E D
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	1200	E D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6892

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	100	U ~~J~~
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	29	DJ
75-35-4	1,1-Dichloroethene	280	D ~~J~~
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	100	U ~~J~~
75-15-0	Carbon Disulfide	100	U
79-20-9	Methyl Acetate	100	U
75-09-2	Methylene Chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-Butyl Ether	100	U
75-34-3	1,1-Dichloroethane	99	DJ
156-59-2	cis-1,2-Dichloroethene	37	DJ
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	17	DJ
71-55-6	1,1,1-Trichloroethane	910	D ~~J~~
110-82-7	Cyclohexane	100	U
56-23-5	Carbon Tetrachloride	39	DJ
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U

12/06

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-07DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6892

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/27/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	530	D
108-87-2	Methylcyclohexane	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	1200	D
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
1330-20-7	Xylene (Total)	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

7/26/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-08S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6794

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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 J
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	1	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	2	J
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

dep 8/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-08S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6794

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2	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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10 3	J U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

6/29/05

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-09S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6764

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	UJ
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/28/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-09S

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6764

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6715

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	4	J
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	2	J
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

6/22/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6715

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
79-01-6	Trichloroethene	2	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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	920 860	E D
591-78-6	2-Hexanone	10	U J
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

1/28/05

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6745

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	100	U
79-20-9	Methyl Acetate	100	U
75-09-2	Methylene Chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-Butyl Ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
78-93-3	2-Butanone	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon Tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U

6/20/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-11DL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-01ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6745

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	100	U
108-87-2	Methylcyclohexane	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-Pentanone	100	U
108-88-3	Toluene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	920	D
591-78-6	2-Hexanone	100	U
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
1330-20-7	Xylene (Total)	100	U
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-12H

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6855

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/24/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U J
107-06-2	1,2-Dichloroethane	10	U

7/8/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-12H

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6855

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/24/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	37	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U J
100-41-4	Ethylbenzene	10	U J
1330-20-7	Xylene (Total)	10	U J
100-42-5	Styrene	10	U J
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U J
106-46-7	1,4-Dichlorobenzene	10	U J
95-50-1	1,2-Dichlorobenzene	10	U J
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U J

7/26/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13H

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6795

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	3	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	13	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-13H

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6795

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10 4	J O
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

dwk 7/29/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6806

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	10	U J
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	14	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	9	J J
75-34-3	1,1-Dichloroethane	10	U J
156-59-2	cis-1,2-Dichloroethene	19	J
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	3	J J
71-55-6	1,1,1-Trichloroethane	54	J
110-82-7	Cyclohexane	10	U J
56-23-5	Carbon Tetrachloride	11	J
71-43-2	Benzene	10	U J
107-06-2	1,2-Dichloroethane	10	U

6/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6806

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	31	J
108-87-2	Methylcyclohexane	10	U J
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	4	J J
10061-02-6	trans-1,3-Dichloropropene	10	U J
79-00-5	1,1,2-Trichloroethane	1	J J
127-18-4	Tetrachloroethene	~~40000~~ 4800	~~E~~ D
591-78-6	2-Hexanone	10	U J
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

7/28/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6861

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/24/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 250.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2500	U
74-87-3	Chloromethane	2500	U
75-01-4	Vinyl Chloride	2500	U
74-83-9	Bromomethane	2500	U
75-00-3	Chloroethane	2500	U
75-69-4	Trichlorofluoromethane	2500	U
75-35-4	1,1-Dichloroethene	2500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2500	U
67-64-1	Acetone	2500	U
75-15-0	Carbon Disulfide	2500	U
79-20-9	Methyl Acetate	2500	U
75-09-2	Methylene Chloride	2500	U
156-60-5	trans-1,2-Dichloroethene	2500	U
1634-04-4	Methyl tert-Butyl Ether	2500	U
75-34-3	1,1-Dichloroethane	2500	U
156-59-2	cis-1,2-Dichloroethene	2500	U
78-93-3	2-Butanone	2500	U
67-66-3	Chloroform	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
110-82-7	Cyclohexane	2500	U
56-23-5	Carbon Tetrachloride	2500	U
71-43-2	Benzene	2500	U
107-06-2	1,2-Dichloroethane	2500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-14DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6861

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/24/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 250.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2500	U
108-87-2	Methylcyclohexane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
75-27-4	Bromodichloromethane	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
108-10-1	4-Methyl-2-Pentanone	2500	U
108-88-3	Toluene	2500	U
10061-02-6	trans-1,3-Dichloropropene	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
127-18-4	Tetrachloroethene	40000	D
591-78-6	2-Hexanone	2500	U
124-48-1	Dibromochloromethane	2500	U
106-93-4	1,2-Dibromoethane	2500	U
108-90-7	Chlorobenzene	2500	U
100-41-4	Ethylbenzene	2500	U
1330-20-7	Xylene (Total)	2500	U
100-42-5	Styrene	2500	U
75-25-2	Bromoform	2500	U
98-82-8	Isopropylbenzene	2500	U
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
541-73-1	1,3-Dichlorobenzene	2500	U
106-46-7	1,4-Dichlorobenzene	2500	U
95-50-1	1,2-Dichlorobenzene	2500	U
96-12-8	1,2-Dibromo-3-chloropropane	2500	U
120-82-1	1,2,4-Trichlorobenzene	2500	U

7/28/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-15D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6779

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	7	J
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	2	J
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/22/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-15D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6779

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	44	
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	310 ~~450~~	~~E~~ D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

6/21/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-15DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6828

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	40	U
74-87-3	Chloromethane	40	U
75-01-4	Vinyl Chloride	40	U
74-83-9	Bromomethane	40	U
75-00-3	Chloroethane	40	U
75-69-4	Trichlorofluoromethane	40	U
75-35-4	1,1-Dichloroethene	40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
67-64-1	Acetone	40	U
75-15-0	Carbon Disulfide	40	U
79-20-9	Methyl Acetate	40	U
75-09-2	Methylene Chloride	40	U
156-60-5	trans-1,2-Dichloroethene	40	U
1634-04-4	Methyl tert-Butyl Ether	40	U
75-34-3	1,1-Dichloroethane	40	U
156-59-2	cis-1,2-Dichloroethene	4	DJ
78-93-3	2-Butanone	40	U
67-66-3	Chloroform	40	U
71-55-6	1,1,1-Trichloroethane	40	U
110-82-7	Cyclohexane	40	U
56-23-5	Carbon Tetrachloride	40	U
71-43-2	Benzene	40	U
107-06-2	1,2-Dichloroethane	40	U

6/24/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-15DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6828

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 4.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	28	DJ
108-87-2	Methylcyclohexane	40	U
78-87-5	1,2-Dichloropropane	40	U
75-27-4	Bromodichloromethane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
108-10-1	4-Methyl-2-Pentanone	40	U
108-88-3	Toluene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
79-00-5	1,1,2-Trichloroethane	40	U
127-18-4	Tetrachloroethene	310	D
591-78-6	2-Hexanone	40	U
124-48-1	Dibromochloromethane	40	U
106-93-4	1,2-Dibromoethane	40	U
108-90-7	Chlorobenzene	40	U
100-41-4	Ethylbenzene	40	U
1330-20-7	Xylene (Total)	40	U
100-42-5	Styrene	40	U
75-25-2	Bromoform	40	U
98-82-8	Isopropylbenzene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
95-50-1	1,2-Dichlorobenzene	40	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U

6/29/05

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-16D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6716

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	39	
75-35-4	1,1-Dichloroethene	72	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	5	J
75-34-3	1,1-Dichloroethane	45	
156-59-2	cis-1,2-Dichloroethene	15	
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	13	
71-55-6	1,1,1-Trichloroethane	190	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	49	
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/28/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-16D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6716

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	Q
79-01-6	Trichloroethene	640 ~~630~~ E D
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
108-10-1	4-Methyl-2-Pentanone	10 U
108-88-3	Toluene	10 U
10061-02-6	trans-1,3-Dichloropropene	10 U
79-00-5	1,1,2-Trichloroethane	10 U
127-18-4	Tetrachloroethene	350 ~~380~~ E D
591-78-6	2-Hexanone	10 U
124-48-1	Dibromochloromethane	10 U
106-93-4	1,2-Dibromoethane	10 U
108-90-7	Chlorobenzene	10 U
100-41-4	Ethylbenzene	10 U
1330-20-7	Xylene (Total)	10 U
100-42-5	Styrene	10 U
75-25-2	Bromoform	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

6/28/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-16DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6743

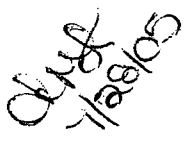
Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	29	DJ
75-35-4	1,1-Dichloroethene	60	D
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	50	U
79-20-9	Methyl Acetate	50	U
75-09-2	Methylene Chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-Butyl Ether	50	U
75-34-3	1,1-Dichloroethane	38	DJ
156-59-2	cis-1,2-Dichloroethene	15	DJ
78-93-3	2-Butanone	50	U
67-66-3	Chloroform	11	DJ
71-55-6	1,1,1-Trichloroethane	150	D
110-82-7	Cyclohexane	50	U
56-23-5	Carbon Tetrachloride	35	DJ
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U



1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-16DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-02ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6743

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	640	D
108-87-2	Methylcyclohexane	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	350	D
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	Xylene (Total)	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U J
79-34-5	1,1,2,2-Tetrachloroethane	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U J

6/20/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-17D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6749

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	4	J
75-35-4	1,1-Dichloroethene	56	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	8	J
156-59-2	cis-1,2-Dichloroethene	16	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	9	J
71-55-6	1,1,1-Trichloroethane	150	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	46	
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	7	J

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-17D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-06A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6749

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	86	
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	~~2700~~ 8400	~~E~~ D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U J
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 J

6/20/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-17DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6825

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 80.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	800	U
74-87-3	Chloromethane	800	U
75-01-4	Vinyl Chloride	800	U
74-83-9	Bromomethane	800	U
75-00-3	Chloroethane	800	U
75-69-4	Trichlorofluoromethane	800	U
75-35-4	1,1-Dichloroethene	800	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	800	U
67-64-1	Acetone	800	U
75-15-0	Carbon Disulfide	800	U
79-20-9	Methyl Acetate	800	U
75-09-2	Methylene Chloride	800	U
156-60-5	trans-1,2-Dichloroethene	800	U
1634-04-4	Methyl tert-Butyl Ether	800	U
75-34-3	1,1-Dichloroethane	800	U
156-59-2	cis-1,2-Dichloroethene	800	U
78-93-3	2-Butanone	800	U
67-66-3	Chloroform	800	U
71-55-6	1,1,1-Trichloroethane	130	DJ
110-82-7	Cyclohexane	800	U
56-23-5	Carbon Tetrachloride	800	U
71-43-2	Benzene	800	U
107-06-2	1,2-Dichloroethane	800	U

12/8/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-17DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-06ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6825

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 80.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	800	U
108-87-2	Methylcyclohexane	800	U
78-87-5	1,2-Dichloropropane	800	U
75-27-4	Bromodichloromethane	800	U
10061-01-5	cis-1,3-Dichloropropene	800	U
108-10-1	4-Methyl-2-Pentanone	800	U
108-88-3	Toluene	800	U
10061-02-6	trans-1,3-Dichloropropene	800	U
79-00-5	1,1,2-Trichloroethane	800	U
127-18-4	Tetrachloroethene	8400	D
591-78-6	2-Hexanone	800	U
124-48-1	Dibromochloromethane	800	U
106-93-4	1,2-Dibromoethane	800	U
108-90-7	Chlorobenzene	800	U
100-41-4	Ethylbenzene	800	U
1330-20-7	Xylene (Total)	800	U
100-42-5	Styrene	800	U
75-25-2	Bromoform	800	U
98-82-8	Isopropylbenzene	800	U
79-34-5	1,1,2,2-Tetrachloroethane	800	U
541-73-1	1,3-Dichlorobenzene	800	U
106-46-7	1,4-Dichlorobenzene	800	U
95-50-1	1,2-Dichlorobenzene	800	U
96-12-8	1,2-Dibromo-3-chloropropane	800	U
120-82-1	1,2,4-Trichlorobenzene	800	U

6/28/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-18D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6718

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	2	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	3	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	4	J
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	12	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	2	J
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/28/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-18D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6718

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	19	
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	5760 ~~2300~~	~~E~~ D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

1/20/05

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-18DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6824

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl Chloride	500	U
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	500	U
67-64-1	Acetone	500	U J
75-15-0	Carbon Disulfide	500	U
79-20-9	Methyl Acetate	500	U
75-09-2	Methylene Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-Butyl Ether	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	500	U
78-93-3	2-Butanone	500	U J
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
110-82-7	Cyclohexane	500	U
56-23-5	Carbon Tetrachloride	500	U
71-43-2	Benzene	500	U
107-06-2	1,2-Dichloroethane	500	U

7/28 7/28/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-18DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6824

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 50.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	500	U
108-87-2	Methylcyclohexane	500	U
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-Pentanone	500	U
108-88-3	Toluene	500	U
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	5700	D
591-78-6	2-Hexanone	500	U
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	500	U
100-41-4	Ethylbenzene	500	U
1330-20-7	Xylene (Total)	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

7/28/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-19D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6717

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	140	
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	2	J
78-93-3	2-Butanone	10	UJ
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	4	J
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	1	J
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/26/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-19D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6717

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	5	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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2300 ~~1600~~	E D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

6/24/05

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-19DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6747

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U 3
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	140	DJ
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
78-93-3	2-Butanone	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

1/20/06

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-19DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6747

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	200	U
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
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	2300	D
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U J
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 J

6/20/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6780

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	8	J J
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	1	J J
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6780

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	28	~~U~~ 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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	310 ~~450~~	E D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

dwk 7/29/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6798

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U
67-64-1	Acetone	50	U
75-15-0	Carbon Disulfide	50	U
79-20-9	Methyl Acetate	50	U
75-09-2	Methylene Chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-Butyl Ether	50	U
75-34-3	1,1-Dichloroethane	50	U
156-59-2	cis-1,2-Dichloroethene	7	DJ
78-93-3	2-Butanone	50	U
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	50	U
110-82-7	Cyclohexane	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-20DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6798

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/22/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	20	DJ
108-87-2	Methylcyclohexane	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-Pentanone	50	U
108-88-3	Toluene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	370	D
591-78-6	2-Hexanone	50	U
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	Xylene (Total)	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-21D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6719

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	1	J
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-21D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6719

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	19	
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	300 ~~320~~	~~E~~ D
591-78-6	2-Hexanone	10	~~U~~ 5
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

7/20/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-21DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6736

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
67-64-1	Acetone	20	U-J
75-15-0	Carbon Disulfide	20	U
79-20-9	Methyl Acetate	20	U
75-09-2	Methylene Chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-Butyl Ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	11	DJ
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
110-82-7	Cyclohexane	20	U
56-23-5	Carbon Tetrachloride	20	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	20	U

CLM 7/8/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-21DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-05ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6736

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	17	DJ
108-87-2	Methylcyclohexane	20	U
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	300	D
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
1330-20-7	Xylene (Total)	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene	20	U J
79-34-5	1,1,2,2-Tetrachloroethane	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U J

OLM 7/28/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-22D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6720

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	1	J
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

6/28/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-22D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-07A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6720

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/17/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	190 ~~220~~	~~E~~ D
591-78-6	2-Hexanone	10	~~U~~
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

dcpk 7/20/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-22DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.:) SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6740

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl Chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
67-64-1	Acetone	20	U
75-15-0	Carbon Disulfide	20	U
79-20-9	Methyl Acetate	20	U
75-09-2	Methylene Chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-Butyl Ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
78-93-3	2-Butanone	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
110-82-7	Cyclohexane	20	U
56-23-5	Carbon Tetrachloride	20	U
71-43-2	Benzene	20	U
107-06-2	1,2-Dichloroethane	20	U

7/28/06

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-22DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-07ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6740

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2	DJ
108-87-2	Methylcyclohexane	20	U
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
108-88-3	Toluene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	190	D
591-78-6	2-Hexanone	20	U
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	20	U
1330-20-7	Xylene (Total)	20	U
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene	20	UJ
79-34-5	1,1,2,2-Tetrachloroethane	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	UJ

6/20/05

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-23D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6751

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	5	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	8	J
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	3	J
71-55-6	1,1,1-Trichloroethane	10	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	7	J
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	1	J

7/28/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-23D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-09A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6751

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/20/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	10	
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	3400~~2000~~	~~E~~ D
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U~~S~~
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~~S~~

1/26/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-23DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-09ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6770

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl Chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	U
67-64-1	Acetone	200	U J
75-15-0	Carbon Disulfide	200	U
79-20-9	Methyl Acetate	200	U
75-09-2	Methylene Chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-Butyl Ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
78-93-3	2-Butanone	200	U J
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon Tetrachloride	200	U
71-43-2	Benzene	200	U
107-06-2	1,2-Dichloroethane	200	U

7/28/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-23DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-09ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6770

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 20.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	200	U
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
108-10-1	4-Methyl-2-Pentanone	200	U
108-88-3	Toluene	200	U
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	3400	D
591-78-6	2-Hexanone	200	U
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	200	U
100-41-4	Ethylbenzene	200	U
1330-20-7	Xylene (Total)	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-24D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6835

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	29	
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	15	
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	3	J
71-55-6	1,1,1-Trichloroethane	37	
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	9	J
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

6/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-24D

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-08A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6835

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/23/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	21	
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	1	J
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	2100 ~~3500~~	E ~~D~~
591-78-6	2-Hexanone	10	U J
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

7/26/05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-24DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6924

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/28/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	2000	U
74-87-3	Chloromethane	2000	U
75-01-4	Vinyl Chloride	2000	U
74-83-9	Bromomethane	2000	U
75-00-3	Chloroethane	2000	U
75-69-4	Trichlorofluoromethane	2000	U
75-35-4	1,1-Dichloroethene	2000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2000	U
67-64-1	Acetone	2000	U J
75-15-0	Carbon Disulfide	2000	U
79-20-9	Methyl Acetate	2000	U
75-09-2	Methylene Chloride	2000	U
156-60-5	trans-1,2-Dichloroethene	2000	U
1634-04-4	Methyl tert-Butyl Ether	2000	U J
75-34-3	1,1-Dichloroethane	2000	U
156-59-2	cis-1,2-Dichloroethene	2000	U
78-93-3	2-Butanone	2000	U J
67-66-3	Chloroform	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
110-82-7	Cyclohexane	2000	U
56-23-5	Carbon Tetrachloride	2000	U
71-43-2	Benzene	2000	U
107-06-2	1,2-Dichloroethane	2000	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MW-24DDL

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-08ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6924

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/28/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 200.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
79-01-6	Trichloroethene	2000	U
108-87-2	Methylcyclohexane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
75-27-4	Bromodichloromethane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
108-88-3	Toluene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
127-18-4	Tetrachloroethene	21000	D
591-78-6	2-Hexanone	2000	U
124-48-1	Dibromochloromethane	2000	U
106-93-4	1,2-Dibromoethane	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
1330-20-7	Xylene (Total)	2000	U
100-42-5	Styrene	2000	U
75-25-2	Bromoform	2000	U
98-82-8	Isopropylbenzene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
541-73-1	1,3-Dichlorobenzene	2000	U
106-46-7	1,4-Dichlorobenzene	2000	U
95-50-1	1,2-Dichlorobenzene	2000	U
96-12-8	1,2-Dibromo-3-chloropropane	2000	U
120-82-1	1,2,4-Trichlorobenzene	2000	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB050616

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-14A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6775

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U J
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/29/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

RB050616

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-14A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6775

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	55	
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6765

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/28/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0695

Matrix: (soil/water) WATER Lab Sample ID: D0695-12A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6765

Level: (low/med) LOW Date Received: 06/16/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-15A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6774

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
75-35-4	1,1-Dichloroethene	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
79-20-9	Methyl Acetate	10	U
75-09-2	Methylene Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-Butyl Ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	UJ
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon Tetrachloride	10	U
71-43-2	Benzene	10	U
107-06-2	1,2-Dichloroethane	10	U

7/20/05

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: MITKEM CORPORATION Contract: _____

Lab Code: MITKEM Case No.: _____ SAS No.: _____ SDG No.: MD0708

Matrix: (soil/water) WATER Lab Sample ID: D0708-15A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6D6774

Level: (low/med) LOW Date Received: 06/17/05

% Moisture: not dec. _____ Date Analyzed: 06/21/05

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
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
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
1330-20-7	Xylene (Total)	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	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

APPENDIX F

WASTE PROFILE FORMS

AND

STRAIGHT BILLS OF LADING

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST

PLEASE TYPE OR PRINT CLEARLY

JOB # _____

DATE 6/3/05 MANIFEST # No. 19277

1. **GENERATOR OF WASTE**

NAME URS

ADDRESS 76th ST & EDSALL AVE Glendale, N.Y.

PHONE NUMBER _____

SITE LOCATION Same

2. **IDENTIFICATION OF WASTE**

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY.
Non Hazardous (Drill cuttings, water)	NJ16	DM	10/55 GAL
Spill # (if applicable)	ERG #		

3. **GENERATOR'S CLASSIFICATION**

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR and/or (Authorized Agent) Eric Lovendahl please print or type

SUPERVISOR'S SIGNATURE _____ TITLE _____

4. **TRANSPORTER NAME AND ADDRESS (#1) (#2)**

NAME FENLEY & NICOL ENVIRONMENTAL INC.

ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729

PHONE NUMBER 24 Hour Emergency# (516) 586-4900

DRIVER'S NAME Neal McGann SIGNATURE _____

INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE # 37041-JA N.Y.

NAME _____

ADDRESS _____

PHONE NUMBER _____

DRIVER'S NAME _____ SIGNATURE _____

INDUSTRIAL WASTE HAULER PERMIT # _____ VEHICLE PLATE # _____

5. **DISPOSAL SITE** (Must be filled in by disposal site)

NAME OF FACILITY _____

ADDRESS OF FACILITY _____

PHONE NUMBER _____

This load was received as stated by generator YES ☐ NO ☐

DISPOSAL SITE IDENTIFICATION NUMBER (if applicable) _____

DISPOSAL SITE INSPECTOR NAME _____

SIGNATURE _____ DATE _____

GENERATOR-White TRANSPORTER-Yellow DISPOSAL-Pink ORANGE-Fi

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST

PLEASE TYPE OR PRINT CLEARLY

JOB # 05078 94

DATE 06-01-05

MANIFEST # No. 19335

1. **GENERATOR OF WASTE**

NAME U-R-S.

ADDRESS

PHONE NUMBER

SITE LOCATION 7657 EDSELL AVE QUEENS NY

2. **IDENTIFICATION OF WASTE**

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY.
NON HAZARDOUS DRILL CUTTINGS / DRILLING MUD	NY 116	55 GAL TOP 72 DRUMS	
Spill # (if applicable)	ERG # NA		3.

3. **GENERATOR'S CLASSIFICATION**

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR EJ Sowinski
and/or (Authorized Agent) please print or type

SUPERVISOR'S SIGNATURE Eric Lovenduski II TITLE

4. **TRANSPORTER NAME AND ADDRESS (#1)** **(#2)**

(#1)	(#2)
NAME FENLEY & NICOL ENVIRONMENTAL INC.	NAME
ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729	ADDRESS
PHONE NUMBER 24 Hour Emergency# (516) 586-4900	PHONE NUMBER
DRIVER'S NAME SIGNATURE	DRIVER'S NAME SIGNATURE
INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE #	INDUSTRIAL WASTE HAULER PERMIT # VEHICLE PLATE #

5. **DISPOSAL SITE** (Must be filled in by disposal site)

NAME OF FACILITY

ADDRESS OF FACILITY

PHONE NUMBER

This load was received as stated by generator YES ☐ NO ☐

DISPOSAL SITE IDENTIFICATION NUMBER (if applicable)

DISPOSAL SITE INSPECTOR NAME

SIGNATURE DATE

GENERATOR-White TRANSPORTER-Yellow DISPOSAL-Pink ORANGE-File

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST

PLEASE TYPE OR PRINT CLEARLY

JOB # _____

DATE 5/27/05 MANIFEST # No. 19392

1. **GENERATOR OF WASTE**

NAME URS.

ADDRESS Edsall Ave # 76 St

PHONE NUMBER _____

SITE LOCATION Queens

2. **IDENTIFICATION OF WASTE**

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY. 55 Gallons Drum
NON HAZARDOUS Ground water Soil	NJ16		5
Spill # (if applicable)	ERG # N/A		

3. **GENERATOR'S CLASSIFICATION**

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR and/or (Authorized Agent) ERIC LOVENDUSKI (please print or type)

SUPERVISOR'S SIGNATURE EJ Smith TITLE _____

4. **TRANSPORTER NAME AND ADDRESS (#1)** **(#2)**

NAME FENLEY & NICOL ENVIRONMENTAL INC.

ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729

PHONE NUMBER 24 Hour Emergency# (516) 586-4900

DRIVER'S NAME Fredychica SIGNATURE Fredychica

INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE # _____

NAME _____

ADDRESS _____

PHONE NUMBER _____

DRIVER'S NAME _____ SIGNATURE _____

INDUSTRIAL WASTE HAULER PERMIT # _____ VEHICLE PLATE # _____

5. **DISPOSAL SITE** (Must be filled in by disposal site)

NAME OF FACILITY _____

ADDRESS OF FACILITY _____

PHONE NUMBER _____

This load was received as stated by generator YES ☐ NO ☐

DISPOSAL SITE IDENTIFICATION NUMBER (if applicable) _____

DISPOSAL SITE INSPECTOR NAME _____

SIGNATURE _____ DATE _____

GENERATOR-White TRANSPORTER-Yellow DISPOSAL-Pink ORANGE File

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST

PLEASE TYPE OR PRINT CLEARLY

JOB # _____

DATE 5/26/05

MANIFEST # No. 19388

1. **GENERATOR OF WASTE**

NAME U.R.S.

ADDRESS EDSALL AVE + 76 ST

PHONE NUMBER _____

SITE LOCATION Queens. Ne

2. **IDENTIFICATION OF WASTE**

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY. Drums.
NON HAZARDOUS Drill cutting / soil / water.	NY 116	Rack TRUCK #76	9
Spill # (if applicable)	ERG # N/A		

3. **GENERATOR'S CLASSIFICATION**

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR & ERIC LOVENDUSKI
and/or (Authorized Agent) please print or type

SUPERVISOR'S SIGNATURE _____ TITLE Geologist

4. **TRANSPORTER NAME AND ADDRESS (#1) (#2)**

(#1)	(#2)
NAME FENLEY & NICOL ENVIRONMENTAL INC.	NAME _____
ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729	ADDRESS _____
PHONE NUMBER 24 Hour Emergency# (516) 586-4900	PHONE NUMBER _____
DRIVER'S NAME Fredyelica SIGNATURE Fredyelica	DRIVER'S NAME _____ SIGNATURE _____
INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE # 87041 JA	INDUSTRIAL WASTE HAULER PERMIT # _____ VEHICLE PLATE # _____

5. **DISPOSAL SITE** (Must be filled in by disposal site)

NAME OF FACILITY _____

ADDRESS OF FACILITY _____

PHONE NUMBER _____

This load was received as stated by generator YES ☐ NO ☐

DISPOSAL SITE IDENTIFICATION NUMBER (if applicable) _____

DISPOSAL SITE INSPECTOR NAME _____

SIGNATURE _____ DATE _____

GENERATOR-White TRANSPORTER-Yellow DISPOSAL-Pink ORANGE File

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST

PLEASE TYPE OR PRINT CLEARLY

JOB # 0507894

DATE 05-24-05

MANIFEST # No. 19469

1. **GENERATOR OF WASTE**

NAME U-R-S

ADDRESS

PHONE NUMBER

SITE LOCATION 76TH ST & OSELL AVE QUEENS

2. **IDENTIFICATION OF WASTE**

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY.
NON HAZARDOUS DRILL CUTTINGS / MUD	NY16	TT 72	
Spill # (if applicable)	ERG # NIA		4 ORM

3. **GENERATOR'S CLASSIFICATION**

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR X Eric Lewandusk
and/or (Authorized Agent) please print or type

SUPERVISOR'S SIGNATURE X [signature] TITLE

4. **TRANSPORTER NAME AND ADDRESS** (#1) (#2)

(#1)	(#2)
NAME FENLEY & NICOL ENVIRONMENTAL INC.	NAME
ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729	ADDRESS
PHONE NUMBER 24 Hour Emergency# (516) 586-4900	PHONE NUMBER
DRIVER'S NAME ASHTONA SIGNATURE [signature]	DRIVER'S NAME SIGNATURE
INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE # 87041JA	INDUSTRIAL WASTE HAULER PERMIT # VEHICLE PLATE #

5. **DISPOSAL SITE** (Must be filled in by disposal site)

NAME OF FACILITY

ADDRESS OF FACILITY

PHONE NUMBER

This load was received as stated by generator YES ☐ NO ☐

DISPOSAL SITE IDENTIFICATION NUMBER (if applicable)

DISPOSAL SITE INSPECTOR NAME

SIGNATURE DATE

GENERATOR-White TRANSPORTER-Yellow DISPOSAL-Pink ORANGE File

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST

PLEASE TYPE OR PRINT CLEARLY

JOB # 0507894

DATE 5/17/05

MANIFEST # No. 19355

1. **GENERATOR OF WASTE**

NAME Klegman Bros. Site

ADDRESS Edsall avenue

PHONE NUMBER

SITE LOCATION Glendale

2. **IDENTIFICATION OF WASTE**

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY.
NON HAZARDOUS Drill cutting soil / water	NJ16	RACK TRUCK #76	2
Spill # (if applicable)	ERG # N/A		

3. **GENERATOR'S CLASSIFICATION**

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR and/or (Authorized Agent) x ERIC LOVENDUSKI (please print or type)

SUPERVISOR'S SIGNATURE [signature] TITLE Geologist

4. **TRANSPORTER NAME AND ADDRESS (#1)** **(#2)**

NAME FENLEY & NICOL ENVIRONMENTAL INC.

ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729

PHONE NUMBER 24 Hour Emergency# (516) 586-4900

DRIVER'S NAME Fredychica SIGNATURE Fredy Chica

INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE # 8704JSA

NAME

ADDRESS

PHONE NUMBER

DRIVER'S NAME SIGNATURE

INDUSTRIAL WASTE HAULER PERMIT # VEHICLE PLATE #

5. **DISPOSAL SITE** (Must be filled in by disposal site)

NAME OF FACILITY

ADDRESS OF FACILITY

PHONE NUMBER

This load was received as stated by generator YES ☐ NO ☐

DISPOSAL SITE IDENTIFICATION NUMBER (if applicable)

DISPOSAL SITE INSPECTOR NAME

SIGNATURE DATE

GENERATOR-White TRANSPORTER-Yellow DISPOSAL-Pink

FENLEY & NICOL ENVIRONMENTAL INC.
NON-HAZARDOUS / NON-REGULATED WASTE MANIFEST

PLEASE TYPE OR PRINT CLEARLY

JOB # _____

DATE 5/16/05

MANIFEST # No. 19426

1. **GENERATOR OF WASTE**

NAME U.R.S.

ADDRESS 76 ST. + Edsall avenue

PHONE NUMBER _____

SITE LOCATION Queens - N.Y.

2. **IDENTIFICATION OF WASTE**

PROPER U.S. D.O.T. SHIPPING NAME	STATE CODE	CONTAINER TYPE	QTY.
			55 Gallon Drum
NON HAZARDOU Drill cutting soil/water/plastic	N116	Rack TRUCK # 72	10
Spill # (if applicable)	ERG # N/A		

3. **GENERATOR'S CLASSIFICATION**

This is to certify that the herein named materials are properly described, classified and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, Environmental Protection Administration and Local State regulations. The wastes are described herein were consigned to the transporter named. The TSD Facility can and will accept the shipment of waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

GENERATOR'S CONTACT SUPERVISOR and/or (Authorized Agent) ERIC LOVENDUSKI (please print or type)

SUPERVISOR'S SIGNATURE _____ TITLE Geologist

4. **TRANSPORTER NAME AND ADDRESS** (#1) (#2)

(#1)	(#2)
NAME FENLEY & NICOL ENVIRONMENTAL INC.	NAME _____
ADDRESS 445 BROOK AVENUE, DEER PARK, NY 11729	ADDRESS _____
PHONE NUMBER 24 Hour Emergency# (516) 586-4900	PHONE NUMBER _____
DRIVER'S NAME Fredy Chica SIGNATURE Fredy Chica	DRIVER'S NAME _____ SIGNATURE _____
INDUSTRIAL WASTE HAULER PERMIT # 1A-036 VEHICLE PLATE # 87041JA	INDUSTRIAL WASTE HAULER PERMIT # _____ VEHICLE PLATE # _____

5. **DISPOSAL SITE** (Must be filled in by disposal site)

NAME OF FACILITY _____

ADDRESS OF FACILITY _____

PHONE NUMBER _____

This load was received as stated by generator YES ☐ NO ☐

DISPOSAL SITE IDENTIFICATION NUMBER (if applicable) _____

DISPOSAL SITE INSPECTOR NAME _____

SIGNATURE _____ DATE _____

GENERATOR White TRANSPORTER Y. # DISPOSAL Pink

END

OF

DOCUMENT