



OPERABLE UNIT 2

SUPPLEMENTAL INVESTIGATION AND REMEDIAL DESIGN REPORT 2006-2007

WORK ASSIGNMENT D004440-15

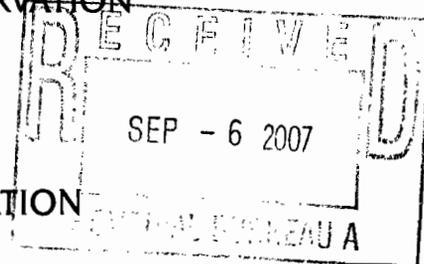
**100 OSER AVENUE
HAUPPAUGE**

**SITE NO. 1-52-162
SUFFOLK (C), NY**

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

Alexander B. Grannis, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION
REMEDIAL BUREAU B



URS Corporation
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Buffalo, New York 14203

September 2007

REMEDIAL DESIGN SUPPLEMENTAL INVESTIGATION REPORT

100 OSER AVENUE OPERABLE UNIT NO. 2

HAUPPAUGE, NEW YORK

PREPARED FOR:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

DIVISION OF ENVIRONMENTAL REMEDIATION

WORK ASSIGNMENT D004440-15.1

Prepared by:

URS CORPORATION, INC.

77 GOODELL STREET

BUFFALO, NEW YORK 14203

SEPTEMBER 2007

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1.0 INTRODUCTION

This report describes activities conducted during the Supplemental Remedial Investigation and Remedial Design investigation at the 100 Oser Avenue, Operable Unit No. 2 (OU2) site in the Town of Hauppauge, New York (Figure 1), from October 2006 through February 2007. The investigation focused on quantifying the downgradient limits of the dissolved phase plume, and existing residual contamination in onsite groundwater.

1.1 Site Background

The 100 Oser Avenue site (the Site) has been divided into two operable units (OUs): OU1, which consists of the source of contamination situated at the 100 Oser Avenue property, and OU2, which consists of off-site, downgradient contamination. The OU2 area, which is the focus of this supplemental investigation and subsequent remedial design, addresses tetrachloroethene (PCE) contamination that has migrated downgradient from the Site in groundwater. Historical contamination in groundwater and/or surface water extends at least to New Mill Pond, situated 6,700 feet to the northeast of the source area, as shown on Figure 2. Historically, PCE has been detected in downgradient soil gas, surface water, and sediment during previous investigations.

1.1.1 Site Description and History

The Site is a two and one-half acre parcel of land located in the Heartland Industrial Park, in the hamlet of Hauppauge, Town of Smithtown, Suffolk County. Sands Textile Corporation (Sands) reportedly operated a textile manufacturing facility on this property, leased from Vanderbilt Associates, the owner prior to 1985. Sands reportedly used PCE to dry clean finished products from the mid-1970's until 1985. The source of contamination is allegedly related to discharges of PCE to the subsurface on the west side of the 100 Oser Avenue building. In 1998, the New York State Department of Environmental Conservation (NYSDEC) listed the Site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. Three interim remedial measures were implemented at the Site including the removal of 11 yards

of contaminated soil and water (April 2000), the installation of an soil vapor extraction (SVE) system to extract PCE from the west side of the 100 Oser Avenue building (September 2000), and the installation of subslab depressurization (SSD) systems below both 100 and 110 Oser Avenue to mitigate PCE vapor intrusion (September 2004). A Record of Decision for OU1 was signed in March 2002, which requires the IRMs to continue to operate plus performance of in-situ chemical oxidation by potassium permanganate at the contaminated groundwater.

A remedial investigation (RI) for OU2 was conducted between May 2001 and December 2003, to define the nature and extent of contamination beyond the immediate source area. Activities included installation of 8 soil borings and 7 monitoring wells, sampling of 19 new and existing monitoring wells, collection of 133 discrete groundwater samples using direct push techniques, survey of public and private water supply wells in the area around the Site, collection of 27 surface water samples, collection of 6 sediment samples, collection of 19 soil vapor samples, and collection of 32 indoor air samples. Analytical results indicate that the groundwater PCE contaminant plume extends over 1 mile downgradient from the Site; and PCE was detected in surface water collected from New Mill Pond. The contaminated area includes single-residential and multi-residential development, commercial establishments, undeveloped land, and municipal parkland. The Falcon Drive municipal well field is situated just north of the flow path of the PCE plume. A feasibility study (FS) for OU2 was completed in February 2005, to formulate and evaluate remedial alternatives to mitigate potential risks posed by site contamination.

1.2 Site Geology and Hydrogeology

The topography above the plume changes from approximately 106 feet above mean sea level (MSL) at 100 Oser Avenue to approximately 30 feet above MSL 1.25 miles to the northeast at New Mill Pond. Pleistocene glacial deposits are present to depths ranging from 120 to 200 feet below ground surface (bgs). The deposits consist primarily of poorly sorted sand with isolated lenses of silty sands, sandy clays, and gravel. The Magothy formation is present beneath the Pleistocene sands. The sediments encountered within this formation consist primarily of silty sands with isolated lenses of clay and organic material. At several locations, a thin layer of organic clay was noted between the Pleistocene deposits and the Magothy formation. The

Magothy formation, which is the primary source of drinking water on Long Island, has been reported to be up to 600 feet thick. The depth to groundwater ranges from 70 feet below ground surface near the source area to near the ground surface in the vicinity of New Mill Pond.

1.3 Nature and Extent of Contamination

As described in Section 1.1.1, soil, soil gas, groundwater, surface water, and sediment samples were collected to characterize the nature and extent of contamination during the previous OU2 RI. This section summarizes the RI results that describe the nature and extent of contamination at the Site.

In groundwater, PCE is the most widely detected contaminant of concern; this compound was detected previously at concentrations exceeding NYSDEC T.O.G.S. 1.1.1 (TOGS) water quality standard of 5 µg/L in 130 samples. Concentrations ranged from below detection to 34,000 µg/L. Concentrations were generally higher in the upper portion of the Pleistocene sand aquifer, decreasing with depth. However, PCE was detected above TOGS water quality standards within the underlying Magothy formation. TCE, DCE, and VC are also of concern, since these compounds are stepwise daughter products of the degradation of PCE.

Surface water samples were collected from a wetland area, located immediately south of Veterans Memorial Highway and New Mill Pond. The compounds PCE, TCE, DCE, 1,1,1-TCA, and VC were detected in the wetland area at concentrations exceeding TOGS water quality standards. PCE, TCE, and benzene were detected above standards at the southern end of New Mill Pond. Benzene is not associated with the Oser Avenue site.

Sediment samples were collected from the wetland, New Mill Pond, and Old Willets Path Creek, which flow from the wetland area into New Mill Pond. Sediment samples from the wetland and Old Willets Path Creek contained VOCs at concentrations up to 26,000 µg/kg; PCE, TCE, and DCE represented the majority of mass detected among the VOCs. Sediment samples from New Mill Pond contained no VOCs that can be attributed to the Site.

Soil gas samples were collected immediately downgradient from the Site along Holiday Park Drive, where the depth to groundwater is over 70 feet bgs, and in the vicinity of the Honey Hollow Condominiums, situated about 1 mile downgradient, where the depth to groundwater is about 30 feet bgs. PCE was detected in soil gas samples near Holiday Park Drive, but not in the vicinity of the Honey Hollow Condominiums. Subslab and indoor air was also sampled in several buildings in these two areas. PCE was detected in 7 of 32 samples at concentrations of up to 32 $\mu\text{g}/\text{m}^3$.

2.0 INVESTIGATION ACTIVITIES

2.1 Drilling and Monitoring Well Installation

Drilling Activities

Soil borings for the nine new groundwater monitoring wells were advanced at the Site by URS's subcontractor, Aquifer Drilling and Testing, Inc. (ADT), during October, November, and December 2006. ADT used a Failling F-10 truck mounted drill rig and 6.25-inch hollow stem augers (HSAs) to advance each boring. Each boring location was converted to a groundwater monitoring well.

Prior to drilling, each boring location was hand cleared to a depth of five feet below grade to inspect for utilities. Soil borings were advanced to depths ranging from 30 to 260 feet below ground surface (bgs). The borings were advanced with 6-¼ inch HSAs, and two-inch O.D. standard penetration testing (SPT) split spoon samples were collected every ten feet, and more frequently as necessary, to determine the depth of the interface between the Pleistocene sands and the Magothy formation. The split spoon samples were inspected for evidence of petroleum contamination (staining, odors, etc.), and screened with a photo ionization detector (PID). A URS geologist was present continuously to direct the drilling activities. No odors or staining were noted in any of the boring soils, and the highest PID reading noted from all screened soils was 1.1 ppm. Boring logs are included in Appendix A.

Saturated soils were encountered in all borings ranging from 2 feet in monitoring well MW-26S to 65 feet bgs in monitoring well MW-31S. Each boring was completed as a groundwater monitoring well.

Groundwater Monitoring Well Installation

Eight new groundwater-monitoring wells were installed downgradient of the Site in accordance with the approved work assignment amendment request dated June 2006. These

wells were installed to provide specific data related to data gaps in the existing OU2 groundwater data that was collected during the RI. Additionally, one new monitoring well (MW-31S) was installed on the Site as an add-on to the scope of work, at the request of NYSDEC. The locations of the newly installed wells are discussed in this section.

Deep groundwater monitoring well MW-25D was screened within the Magothy formation from 230-250 ft bgs. This well was installed near the Falcon Drive Municipal Well Field to monitor for possible migration of PCE to these water supply wells.

Shallow groundwater monitoring wells MW-26S, MW-29S, and MW-30S were installed further downgradient from the existing RI shallow wells. These were installed to evaluate whether the shallow plume extended beyond the wetlands located east of Old Willets Path. MW-29S was installed on the southwest corner of Old Willets Path and the Veterans Memorial Highway, north of the point where the plume is presumed to discharge to the wetlands to see if the plume extended north of the wetlands. MW-26S and MW-30S were installed downgradient of the wetlands: at the northeast side of the intersection of the Suffolk County Office Park Driveway and Veterans Memorial highway, and on Saxon Court, north of the Suffolk County Office Park, respectively. These two wells monitored whether the plume extended beyond its presumed discharge point at the wetland. Monitoring wells MW-26S, MW-29S, and MW-30S were screened below the water table from 10-30 ft bgs, 10-20 ft bgs and 15-35 ft bgs, respectively.

Two additional groundwater monitoring wells were installed as a cluster with MW-26S. Intermediate well MW-26I was screened from 110-130 ft bgs, just above the top of the Magothy formation, and deep well MW-26D was screened from 225-245 ft bgs within the Magothy formation. These wells, located between the wetlands and New Mill Pond, were installed to see whether a deeper portion of the plume was migrating under the wetlands.

Deep groundwater monitoring wells MW-27D and MW-28D, screened within the Magothy formation from 205-225 ft bgs and 230-250 ft bgs, respectively, were installed in Blydenburgh County Park, north of New Mill Pond at the request of the Suffolk County

Department of Health to monitor for Magothy formation contamination downgradient of New Mill Pond.

Shallow groundwater monitoring well MW-31S was installed on the Site in the 100 Oser Avenue Parking Lot to fill a gap in the network of monitoring wells that exist for characterizing the OU1 portion of the plume and to help track the progress of the ongoing OU1 remediation. Monitoring well MW-31S is screened within the water table from 65 feet to 85 feet bgs.

Well Development

All nine newly installed monitoring wells were developed using a combination of surge block agitation and over-pumping until groundwater effluent turbidity levels were consistently below 50 nephelometric turbidity units (NTUs), or the purge parameters stabilized (i.e., pH, Eh, temperature, conductivity, dissolved oxygen, and turbidity).

2.2 Groundwater Flow

Groundwater levels were measured at the nine new Site monitoring wells in December 2006. Groundwater levels were collected at thirteen existing monitoring wells in February 2007. Groundwater water elevation contours are provided in Figure 2. This figure uses the results from the new wells measured in December 2006. Elevations of the existing wells were not included in this figure as they were taken three months later. The Site groundwater elevations are slightly higher in the upgradient portion of the plume as compared to the RI measurements made in October 2002 (Shaw 2003), most likely due to seasonal variations, and the fact that OU1 remediation, consisting of injection of 2% permanganate was performed just prior to the measurements. Groundwater flow is to the northeast, toward wetlands leading into New Mill Pond, dropping approximately 12.9 feet across the site (from well MW-31S to well MW-29S), corresponding to a horizontal hydraulic gradient of approximately 0.0023 ft/ft. Because the water table at the source was higher than observed during the RI, yet the wetlands elevation remains the same, this gradient was higher than the 0.0011 ft/ft observed in the RI.

2.3 Groundwater Sampling and Analysis

URS collected groundwater samples from the newly installed downgradient groundwater monitoring wells MW-25S, MW-26S, MW-26I, MW-26D, MW-27D, MW-28D, MW-29S, MW-30S, and onsite groundwater monitoring well MW-31S, during the period December 19 through 21, 2006, and from thirteen (ITMW-09S, ITMW-00-16S, ITMW-01-16D, ITMW-00-17S, ITMW-01-17D, ITMW-01-18S, ITMW-00-18D, ITMW-00-19S, ITMW-02-22S, ITMW-02-23S, ITMW-01-21D, ITMW-02-22D, and ITMW-02-23D) of the seventeen planned existing groundwater-monitoring wells during the period February 6 through 16, 2007. The monitoring wells were purged and sampled in accordance with the document entitled *OU2 Design Field Activities*. Wells ITMW-10D, ITMW-00-20S and ITMW-00-20D were scheduled to be sampled but could not be located during the sampling event, and therefore, were not sampled. Also, monitoring well ITMW-9D was not sampled due to an obstruction in the well riser at approximately 50 feet below top of riser.

Prior to well purging for groundwater sample collection, water levels were measured using an electronic interface probe, and recorded. Water level measurements include depth to water (DTW) and depth to bottom (DTB). The date and time of each measurement were recorded in the field notes as well as the names and titles of the field personnel conducting the measurements.

Prior to sample collection, standing water was purged from each well screen and casing prior to sampling using the low-flow method; and field parameters (i.e., pH, Eh, conductivity, temperature, dissolved oxygen, and turbidity) were documented for the pre- and post-purge water. These parameters were measured in a flow-through cell until stabilization prior to sampling. Well purge logs are included in Appendix B.

Twenty-two groundwater samples and associated QA/QC samples were collected during December 2006 and February 2007 (Figure 3). The samples were submitted to the Hampton-Clarke, Inc.-Veritech Laboratory in Fairfield, New Jersey, following United States Environmental Protection Agency (USEPA) chain-of-custody procedures, and analyzed for volatile organic

compounds (VOCs) following USEPA Method 8260B, and in accordance with the NYSDEC ASP methodologies.

2.4 Surveying

On December 4, 2006, URS surveyors determined the horizontal position and vertical elevations of the nine new groundwater monitoring wells on the Site utilizing a Trimble 4400 and Topcon 700 Total Station global positioning system transmitter/receiver. Elevations were referenced to previously surveyed site features.

2.5 IDW Disposal

A total of 58 drums of investigation derived non-hazardous waste (IDW) soil cuttings and monitoring well development/purge water were generated and staged onsite. Frank's Vacuum Truck Service removed from the Site and disposed of the IDW at an approved facility on March 6, 2007. Due to the residential nature and insufficient area around three of the new monitoring wells (i.e., MW-25D, MW-29S, and MW-30S) soil cuttings could not be raked out on the ground as directed by the work plan, and were instead drummed.

3.0 FINDINGS

Groundwater analytical results were used to evaluate the extent of the downgradient dissolved phase plume. Groundwater analytical results for the December 2006/February 2007 sampling event, showing only detected compounds, are presented in Table 1 and in Figure 3. A copy of the data usability summary report and laboratory analytical report is provided in Appendix C.

During the sampling event, the VOC PCE was detected in eight of the twenty-two groundwater-monitoring wells at concentrations exceeding the TOGS criteria of 5 µg/L. Detected concentrations ranged from 5.5 µg/L in MW-31S to 3,400 µg/L in ITMW-00-16S. A field duplicate was collected at the MW-31S location and exhibited a PCE concentration of 5.5 µg/L. Trichloroethene (TCE) was detected in three wells (ITMW-01-16D, -02-21D, and -02-22D), exceeding the TOGS criteria of 5 µg/L, at concentrations of 5.3 µg/L, 13 µg/L, and 39 µg/L, respectively. Carbon disulfide was detected in monitoring well MW-27D at a concentration of 1.8 µg/L, which is well below the TOGS criteria of 60 µg/L.

PCE concentrations in the upgradient portion of the plume have decreased significantly compared to past groundwater sampling events. Specifically, monitoring well ITMW-09S (the first OU2 well downgradient from the Site), decreased from 10,000 µg/L during the RI to 77 µg/L in this investigation. Concentrations in shallow wells further downgradient from ITMW-00-18S were similar to the RI results. ITMW-00-16S, at 3,400 µg/L, was slightly higher than its 3,200 µg/L level in the RI, while further downgradient ITMW-00-17S dropped from 1,600 µg/L to 470 µg/L and ITMW-02-22S dropped from 1,500 µg/L to 1,000 µg/L. Partially side-gradient ITMW-02-23S decreased from 790 µg/L to 2.4 µg/L.

No compounds were detected in shallow downgradient monitoring wells MW-29S and MW-30S, confirming that the plume is narrowly focused towards the wetlands east of Old Willets Path and does not extend further to the north. Also, no compounds were detected in samples collected from groundwater monitoring wells MW-26S, MW-26I, and MW-26D, which are

located downgradient of the wetlands. This indicates that contaminants have not migrated beyond the presumed discharge point at the wetlands.

Figure 3 shows logarithmically spaced PCE contours for the 3, 30, 300, and 3,000 $\mu\text{g/L}$ values. The upgradient shape of these contours was drawn including knowledge of data collected in June 2007 from the OU1 remediation effort. While these data are not shown in this report, they demonstrated that PCE had been destroyed in the zone along the northern boundary of the Site, with PCE remaining only in the center of the site, including the zone monitored by MW-31S.

Magothy Formation wells ITMW-01-16D and ITMW-01-17D, located below the center of the shallow plume, remain contaminated, but at lower concentrations than the RI (190 $\mu\text{g/L}$ vs. 1,100 $\mu\text{g/L}$ and 11 $\mu\text{g/L}$ vs. 19 $\mu\text{g/L}$, respectively).

Groundwater monitoring well MW-25D was installed and screened within the Magothy Formation between the source area and the Falcon Drive Municipal Well Field. No compounds were detected in MW-25D, indicating that source area contaminants (e.g., PCE) are not impacting the municipal well field.

Groundwater monitoring wells MW-27D and MW-28D were installed within the Magothy Formation north (i.e., downgradient) of New Mill Pond to delineate the furthest potential extent of the source area plume. No compounds were detected in these wells, indicating that source area contaminants (e.g., PCE) are not impacting groundwater downgradient of New Mill Pond.

4.0 SUMMARY AND CONCLUSIONS

Groundwater sampling conducted during the winter 2006-2007 Remedial Design Supplemental Investigation provided data to evaluate the existing groundwater conditions in OU2.

Based on the results summarized in the previous section, the following conclusions are inferred:

- While the concentrations in most of the shallow portion of the plume are similar or slightly below the levels measured in the RI, the concentrations immediately downgradient of the site, as monitored by MW-09S dropped dramatically. The OU1 well MW-31S was also quite low. This is presumably due to the effectiveness of the ongoing permanganate injection remediation currently underway at OU1. This hypothesis will be tested by upcoming OU1 well sampling to be conducted by the OU1 remedial contractor.
- New wells located downgradient of the plume extent (as defined by the RI data) were not contaminated. This suggests that the plume does not migrate around the apparent discharge location in the wetlands east of Old Willets Path.
- Wells installed in the center of the shallow plume but screened in the Magothy Formation (ITMW-01-16D and ITMW-01-17D) remain contaminated, but at lower levels than observed during the RI.
- The well installed in the Magothy Formation near the Falcon Drive well field was not contaminated, suggesting that the plume is not being drawn to this zone by the operation of the production wells at this well field.
- Magothy Formation wells installed south and north of New Mill Pond were not contaminated, indicating that the plume has not migrated this far in this zone.

5.0 REFERENCES

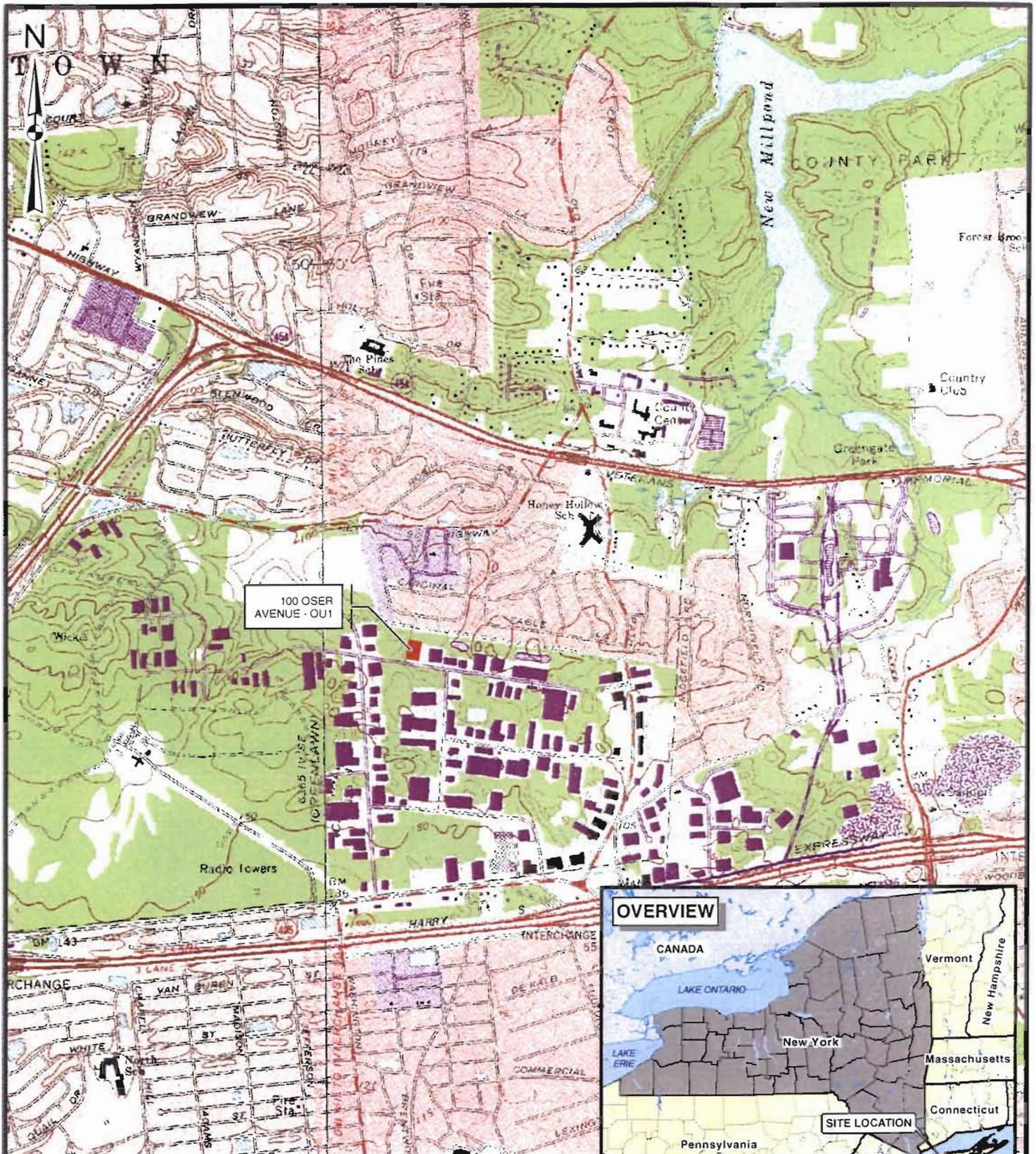
NYSDEC. 1998. Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, Division of Water. June.

NYSDEC, 2001. Technical and Administrative Guidance Memorandum 4046.

Shaw, 2003. Remedial Investigation Report 100 Oser Avenue – Operable Unit 2, Hauppauge, New York. December.

URS, 2006. Field Activities Plan OU2 Design 100 Oser Avenue Site. October.

FIGURES



SOURCE: USGS 7.5' Quadrangles:
 Central ISLIP, New York - 1967; Greenlawn, New York - 1967.

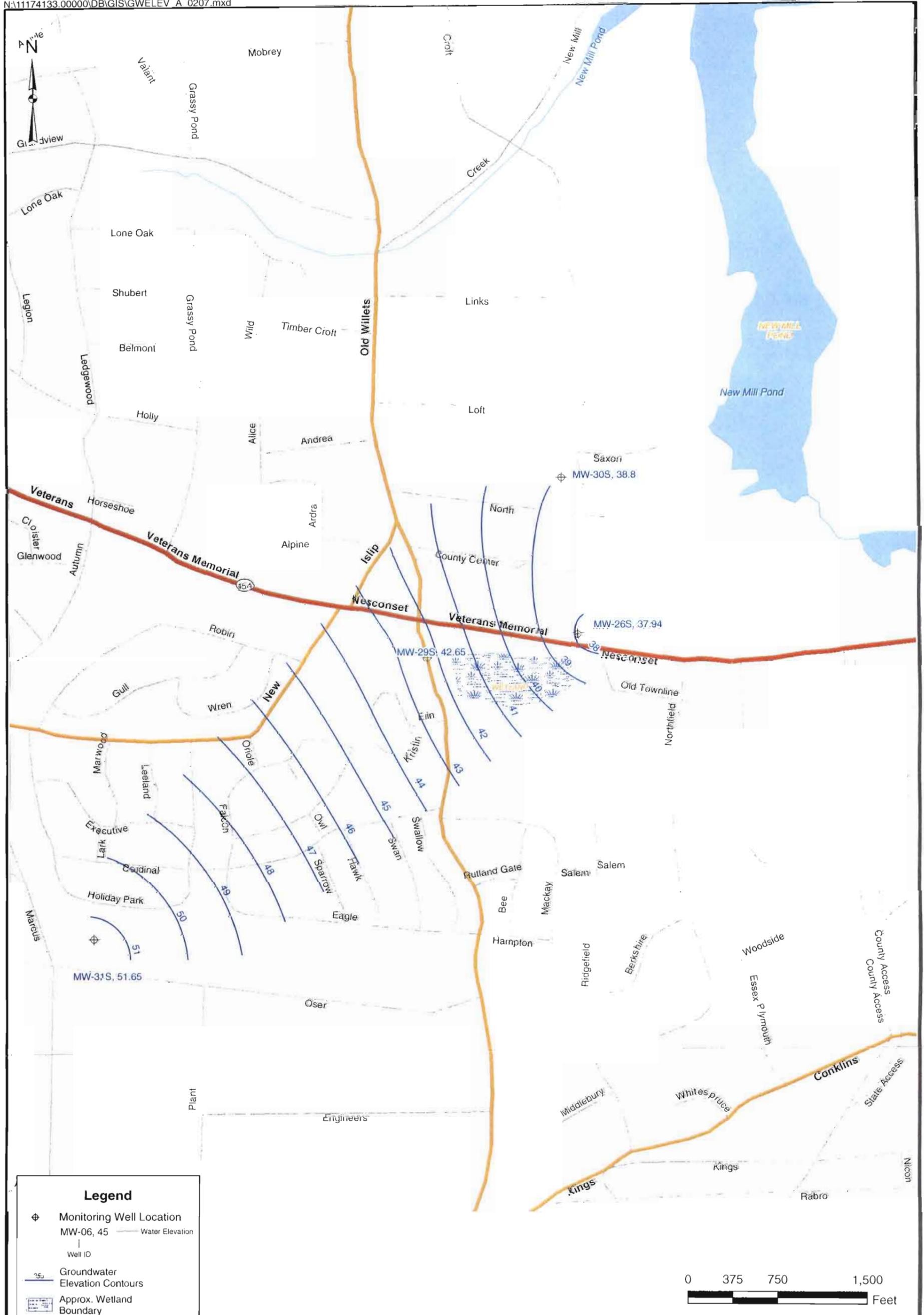


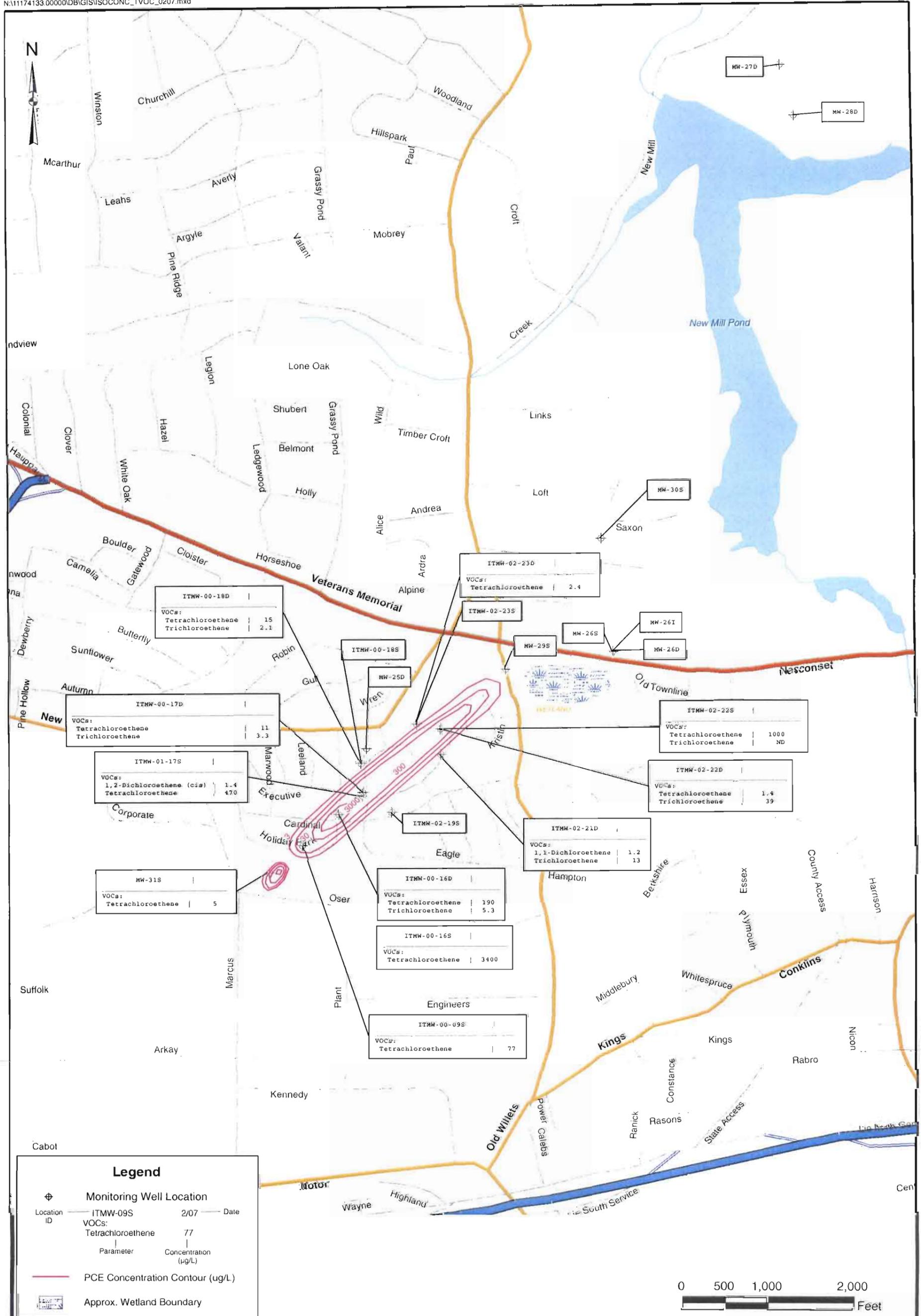
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100 OSER AVENUE
 SITE LOCATION MAP

FIGURE 1





Legend

⊕ Monitoring Well Location

Location ID	ITMW-09S	2/07	Date
VOCs:	Tetrachloroethene	77	
Parameter	Concentration	(µg/L)	

— PCE Concentration Contour (µg/L)

▭ Approx. Wetland Boundary



100 OSER AVENUE
 GROUNDWATER ANALYTICAL RESULTS
 (DECEMBER 2006 AND FEBRUARY 2007)
 ISOCONCENTRATIONS DRAWN BASED ALSO ON JUNE 2007 OU1 DATA (NOT SHOWN)

FIGURE 3

TABLES

TABLE 1
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE - HAUPPAUGE, NEW YORK

Location ID			ITMW-00-16S	ITMW-00-17S	ITMW-00-18S	ITMW-00-19S	ITMW-01-16D
Sample ID			ITMW-16S	ITMW-17S	ITMW-18S	ITMW-19S	ITMW-16D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/09/07	02/13/07	02/12/07	02/09/07	02/08/07
Parameter	Units	*					
Volatile Organic Compounds							
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	100 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	UG/L	5	100 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (cis)	UG/L	5	100 U	1.4 J	5 U	5 U	5 U
Carbon disulfide	UG/L	60	100 UJ	5 UJ	5 UJ	5 U	5 UJ
Chloroform	UG/L	7	100 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	UG/L	10	20 U	1 U	1 U	1 U	1 U
Tetrachloroethene	UG/L	5	3,400	470	5 U	5 U	190
Trichloroethene	UG/L	5	100 U	5 U	5 U	5 U	5.3

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

Flags assigned during chemistry validation are shown.

 Concentration Exceeds

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

NA - Not Analyzed

Only Detected Results Reported.

Detection Limits shown are PQL

Advanced Selection: SDI

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{MATRIX} = 'WG' AND {LOGDATE} >= #12/19/2006# AND {LOGDATE} <= #2/16/2007# AND ({SACODE} = 'N' OR {SACODE} = 'FD')

TABLE 1
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE - HAUPPAUGE, NEW YORK

Location ID			ITMW-01-17D	ITMW-01-18D	ITMW-01-21D	ITMW-02-22D	ITMW-02-22S
Sample ID			ITMW-17D	ITMW-18D	ITMW-21D	ITMW-22D	ITMW-22S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/13/07	02/12/07	02/07/07	02/16/07	02/15/07
Parameter	Units	*					
Volatile Organic Compounds							
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	2.3 J	5 U	5 U	5 U	50 U
1,1-Dichloroethene	UG/L	5	5 U	5 U	1.2 J	5 U	50 U
1,2-Dichloroethene (cis)	UG/L	5	5 U	5 U	5 U	5 U	50 U
Carbon disulfide	UG/L	60	5 UJ	5 UJ	5 U	5 U	50 U
Chloroform	UG/L	7	5 U	5 U	5 U	5 U	50 U
Methyl tert-butyl ether	UG/L	10	1 U	1 U	1 U	1 U	10 U
Tetrachloroethene	UG/L	5	11	15	5 U	1.4 J	1,000
Trichloroethene	UG/L	5	3.3 J	2.1 J	13	39	50 U

*- NYSDEC TOGS (1 1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA

Flags assigned during chemistry validation are shown.



Concentration Exceeds

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

NA - Not Analyzed

Only Detected Results Reported.

Detection Limits shown are PQL

Advanced Selection: SDI
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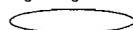
[MATRIX] = 'WG' AND [LOGDATE] >= #12/19/2006# AND [LOGDATE] <= #2/16/2007# AND ([SACODE] = 'N' OR [SACODE] = 'FD')

TABLE 1
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE - HAUPPAUGE, NEW YORK

Location ID			ITMW-02-23D	ITMW-02-23S	ITMW-09S	MW-25D	MW-26D
Sample ID			ITMW-23D	ITMW-23S	ITMW-09S	MW-25D	MW-26D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			02/06/07	02/15/07	02/08/07	12/20/06	12/20/06
Parameter	Units	*					
Volatile Organic Compounds							
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	5 U	5 U	5 U	0.57 UJ	0.57 UJ
1,1-Dichloroethene	UG/L	5	5 U	5 U	5 U	0.39 U	0.39 U
1,2-Dichloroethene (cis)	UG/L	5	5 U	5 UJ	5 U	0.34 U	0.34 U
Carbon disulfide	UG/L	60	5 U	5 UJ	5 U	0.20 U	0.20 U
Chloroform	UG/L	7	5 U	5 U	1.7 J	0.40 U	0.40 U
Methyl tert-butyl ether	UG/L	10	1 U	1 U	2.7	0.36 U	0.36 U
Tetrachloroethene	UG/L	5	2.4 J	5 UJ	77	0.46 U	0.46 U
Trichloroethene	UG/L	5	5 U	5 U	5 U	0.76 U	0.76 U

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

Flags assigned during chemistry validation are shown.

 Concentration Exceeds

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

NA - Not Analyzed

Only Detected Results Reported.

Detection Limits shown are PQL

Advanced Selection SDI
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[MATRIX] = 'WG' AND [LOGDATE] >= #12/19/2006# AND [LOGDATE] <= #2/16/2007# AND ([SACODE] = 'N' OR [SACODE] = 'FD')

TABLE 1
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE - HAUPPAUGE, NEW YORK

Location ID			MW-26I	MW-26S	MW-27D	MW-28D	MW-29S
Sample ID			MW-26I	MW-26S	MW-27D	MW-28D	MW-29S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/20/06	12/20/06	12/21/06	12/21/06	12/19/06
Parameter	Units	*					
Volatile Organic Compounds							
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	0.57 UJ				
1,1-Dichloroethene	UG/L	5	0.39 U				
1,2-Dichloroethene (cis)	UG/L	5	0.34 U				
Carbon disulfide	UG/L	60	0.20 U	0.20 U	1.8	0.20 U	0.20 U
Chloroform	UG/L	7	0.40 U				
Methyl tert-butyl ether	UG/L	10	0.36 U				
Tetrachloroethene	UG/L	5	0.46 U				
Trichloroethene	UG/L	5	0.76 U				

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

Flags assigned during chemistry validation are shown.

 Concentration Exceeds

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

NA - Not Analyzed

Only Detected Results Reported.

Detection Limits shown are PQL

Advanced Selection: SOI
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Printed: 6/7/2007 9:36:00 AM
[MATRIX] = 'WG' AND [LOGDATE] >> #12/19/2006# AND [LOGDATE] <= #2/16/2007# AND ([SACODE] = 'N' OR [SACODE] = 'FD')

TABLE 1
SUMMARY OF DETECTED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE - HAUPPAUGE, NEW YORK

Location ID			MW-30S	MW-31S
Sample ID			MW-30S	MW-31S
Matrix			Groundwater	Groundwater
Depth Interval (ft)			-	-
Date Sampled			12/20/06	12/21/06
Parameter	Units	*		
Volatile Organic Compounds				
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	0.57 UJ	0.57 UJ
1,1-Dichloroethene	UG/L	5	0.39 U	0.39 U
1,2-Dichloroethene (cis)	UG/L	5	0.34 U	0.34 U
Carbon disulfide	UG/L	60	0.20 U	0.20 U
Chloroform	UG/L	7	0.40 U	0.40 U
Methyl tert-butyl ether	UG/L	10	0.36 U	0.36 U
Tetrachloroethene	UG/L	5	0.46 U	5.0
Trichloroethene	UG/L	5	0.76 U	0.76 U

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

Flags assigned during chemistry validation are shown.

 Concentration Exceeds

U - Not detected above the reported quantitation limit.

J - The reported concentration is an estimated value.

D - Result reported from a secondary dilution analysis.

NA - Not Analyzed

Only Detected Results Reported.

Detection Limits shown are PQL

Advanced Selection: SDI
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Printed: 8/7/2007 9:38:00 AM

[MATRIX] = 'WG' AND [LOGDATE] >= #12/19/2006# AND [LOGDATE] <= #2/18/2007# AND ([SACODE] = 'N' OR [SACODE] = 'FD')

APPENDIX A

BORING LOGS

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue, Hauppauge, NY

BORING NO: MW-25D

CLIENT: NYSDEC

SHEET: 1 of 2

JOB NO.: 11174133.00000

BORING CONTRACTOR: ADT

BORING LOCATION:

GROUNDWATER: ~ 37' bgs

GROUND ELEVATION:

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

DATE STARTED: 10/23/06

DATE FINISHED: 10/25/06

DRILLER: Sean Miller

GEOLOGIST: Mike Murphy

REVIEWED BY: Scott Fischer

DEPTH FEET	STRATA SYMBOL	SAMPLE				DESCRIPTION			USCS	REMARKS MOISTURE PID (ppm)					
		"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION							
10		1		10 13 20 37	30%	Brown	Medium Dense	F-M SAND, some silt, no stain no odor.	SW	Dry, 0.0					
20		2		11 17 20 18	40%						F-M SAND, some silt, trace gravel, no stain, no odor.				
30		3		13 16 17 36	50%						Cobble in SS shoe.				
40		4		8 10 5 12	60%			Loose							
50		5		3 3 3 7	50%										
60		6		2 6 9 7	25%										
70		7		5 4 9 13	100%										
80		8		5 4 5 8	60%										
90		9		6 7 6 15	75%										
100		10		4 8 4 7	0%						No Recovery				
110		11		5 6 5 9	40%										
120		12		9 7 10 14	75%										
130			13		15 43 49 37		25%				Dense	CLAY, some gravel, apparent top of clay.	CL	0.0	
140			14		10 9 6 7		50%	Gray			Loose	CLAY		0.0	
150			15		6 5 6 9		75%							0.0	
160			16		4 8 10 13		75%							SP	0.0
170			17		8 11 12 9		50%								0.0

COMMENTS:
Boring advanced with truck-mounted Failing F-10 drill rig and 4.25" HSA
Apparent top of clay at 130' bgs

PROJECT NO. 11174133.00000

BORING NO. MW-25D

URS Corporation										TEST BORING LOG	
PROJECT: 100 Oser Avenue, Hauppauge, NY										BORING NO: MW-26S	
CLIENT: NYSDEC										SHEET: 1 of 1	
BORING CONTRACTOR: ADT										JOB NO.: 11174133.00000	
GROUNDWATER: ~ 2' bgs										BORING LOCATION:	
CAS.										GROUND ELEVATION:	
SAMPLER										DATE STARTED: 11/14/06	
CORE TUBE										DATE FINISHED: 11/14/06	
DATE										DRILLER: Sean Miller	
TIME										GEOLOGIST: Mike Murphy	
LEVEL										REVIEWED BY: Scott Fischer	
TYPE										* POCKET PENETROMETER READING	
TYPE											
DIA.											
WT.											
FALL											
DEPTH FEET	STRATA SYMBOL	SAMPLE				DESCRIPTION				USCS	REMARKS MOISTURE PID (ppm)
		"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION			
5											
10	S	1		5 9	50%	Brown	Loose	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	Wet, 0.9	
				8 8							
15											
20	S	2		11 12	75%					0.0	
				10 13							
25											
30	S	3		9 15	75%		Medium Dense			0.0	
				11 13							
								B.O.H. @ 30' bgs			
35											
COMMENTS:										PROJECT NO. 11174133.00000	
Boring advanced with truck-mounted Failing F-10 drill rig and 4.25" HSA										BORING NO. MW-26S	
Hand cleared to 5' bgs, groundwater encountered at ~2' bgs											

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue, Hauppauge, NY

BORING NO: MW-261

CLIENT: NYSDEC

SHEET: 1 of 1

BORING CONTRACTOR: ADT

JOB NO.: 11174133.00000

GROUNDWATER: ~ 2' bgs

BORING LOCATION:

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

GROUND ELEVATION:

DATE STARTED: 11/10/06

DATE FINISHED: 11/10/06

DRILLER: Sean Miller

GEOLOGIST: Mike Murphy

REVIEWED BY: Scott Fischer

DEPTH FEET	SAMPLE					DESCRIPTION				USCS	REMARKS MOISTURE PID (ppm)
	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION			
10	S	1		4 4	30%	Brown	Loose	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	Wet. 0.4	
				8 7							
20		2		5 8	40%						
				9 9							
30		3		7 12	50%						
				11 9							
40		4		6 4	60%						
				11 11							
50		5		10 10	50%						
				14 11							
60		6		8 11	25%						Medium Dense
				13 10							
70		7		6 8	100%						
				4 2							
80	8		5 7	60%							
			6 6								
90	9		10 8	75%							
			11 13								
100	10		7 7	0%							
			9 11								
110	11		10 6	40%							
			13 9								
120	12		11 11	75%							
			14 10								
130	Hatched	13		8 12	25%	Gray	Stiff	Clay	CL	0.0	
				11 11							
140		14									
150								B.O.H. @ 140' bgs			
160											
170											

COMMENTS: Boring advanced with truck-mounted Failing F-10 drill rig and 4.25" HAS.
Top of clay @ 130' bgs.

PROJECT NO. 11174133.00000

BORING NO. MW-261

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue, Hauppauge, NY					BORING NO.: MW-26D				
CLIENT: NYSDEC					SHEET: 1 of 2				
BORING CONTRACTOR: ADT					JOB NO.: 11174133.00000				
GROUNDWATER: ~ 2' bgs					BORING LOCATION:				
					GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE TUBE	DATE STARTED: 11/08/06	
				DIA.		Split Spoon		DATE FINISHED: 11/09/06	
				WT.		140 lbs.		DRILLER: Sean Miller	
				FALL		30"		GEOLOGIST: Mike Murphy	
							* POCKET PENETROMETER READING		REVIEWED BY: Scott Fischer

DEPTH FEET	SAMPLE					DESCRIPTION			USCS	REMARKS MOISTURE PID (ppm)		
	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION				
10		1		5	8	50%	Brown	Loose	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	Wet, 0.3	
					9	7						
20		2		6	6	75%						0.1
					9	8						
30		3		7	10	50%			F-M SAND, some silt and gravel gravel, no stain, no odor.			0.0
					6	9						
40		4		9	12	50%						0.0
					11	10						
50		5		6	11	75%						0.0
					12	12						
60		6		9	9	50%						0.0
					13	10						
70		7		4	9	50%						0.0
					7	8						
80		8		6	11	75%						0.0
					8	13			Medium Dense			
90		9		12	10	75%						0.0
				14	9							
100	10		9	11	75%						0.0	
				16	12							
110	11		5	4	50%			Loose			0.0	
				9	6							
120	12		7	9	75%						0.0	
				11	8							
130	13		12	12	75%	Gray		Medium Dense	CLAY, no stain, no odor.	CL	0.0	
				18	19							
140	14		11	9	90%						0.0	
				14	13							
150	15		8	15	90%						0.0	
				12	11							
160	16		10	13	90%						0.0	
				9	12							
170	17		9	5	75%	Brown		Loose	Med. SAND, some gravel, trace clay, no stain, no odor.	SP	0.0	
				8	11							

COMMENTS:					PROJECT NO. 11174133 00000				
Boring advanced with truck-mounted Failing F-10 drill rig and 4.25" HSA					BORING NO. MW-26D				
Top of Clay @ ~ 130' bgs.									

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue OU2					BORING NO.: MW-26D				
CLIENT: NYSDEC					SHEET: 2 of 2				
BORING CONTRACTOR: ADT					JOB NO.: 11174133.00000				
GROUNDWATER: ~2' bgs					BORING LOCATION:				
					GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE	DATE STARTED: 11/08/06
				DIA.		Split Spoon			DATE FINISHED: 11/09/06
				WT.		140 lbs.			DRILLER: Sean Miller
				FALL		30"			GEOLOGIST: Mike Murphy
					* POCKET PENETROMETER READING				
					REVIEWED BY: Scott Fischer				

DEPTH FEET	STRATA SYMBOL	SAMPLE				DESCRIPTION				USCS	REMARKS	
		"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION				
180		18		9 5 8 11	75%	Brown ↓	Loose	Medium SAND, some gravel, trace clay, no stain, no odor.	SP ↓	0.0		
190		19		12 17 11 13	75%		Medium Dense	F-M SAND, some gravel, no stain no odor.	SW ↓	0.0		
200		20		8 8 12 10	75%		Loose				0.0	
210		21		8 13 10 9	75%		Medium Dense				0.0	
220		22		5 6 9 7	50%		Loose				0.0	
230		23		4 8 10 9	75%						0.0	
240		24		9 9 13 11	75%		Medium Dense				0.0	
250		25		10 11 15 9	75%						0.0	
260												
										B.O.H. @ 260' bgs		

COMMENTS: End of Boring at 260' bgs. Boring advanced with truck mounted Failing F-10 Drill Rig and 4.25 HSAs.	PROJECT NO. 11174133.00000 BORING NO. MW-26D
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URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue, Hauppauge, NY

CLIENT: NYSDEC

BORING CONTRACTOR: ADT

GROUNDWATER: - 40' bgs

BORING NO: MW-27D

SHEET: 1 of 2

JOB NO.: 11174133.00000

BORING LOCATION:

GROUND ELEVATION:

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

DATE STARTED:	11/02/06
DATE FINISHED:	11/06/06
DRILLER:	Sean Miller
GEOLOGIST:	Mike Murphy
REVIEWED BY:	Scott Fischer

DEPTH FEET	STRATA SYMBOL	SAMPLE				DESCRIPTION			USCS	REMARKS MOISTURE PID (ppm)																																																												
		"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION																																																														
10		1		6 8 9 7	50%	Brown	Loose	F-M SAND, trace gravel, no stain, no odor.	SW	Dry, 0.3																																																												
20		2		7 10 8 9	75%						Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	Dry, 0.0																																																								
30		3		10 10 8 11	50%										Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	Dry, 0.1																																																				
40		4		5 7 9 8	75%														Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	Water @ 40' bgs																																																
50		5		7 6 8 8	50%																		Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0																																												
60		6		5 9 10 8	75%																						Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0																																								
70		7		8 9 10 10	75%																										Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0																																				
80		8		7 8 11 9	100%																														Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.2																																
90		9		9 12 11 9	75%																																		Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0																												
100		10		5 6 6 4	50%																																						Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0																								
110		11		7 9 10 10	75%																																										Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0																				
120		12		8 8 11 8	75%																																														Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0																
130		13		6 7 9 8	75%																																																		Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0												
140		14		10 10 12 12	75%																																																						Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0								
150		15		11 10 12 14	75%																																																										Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0				
160		16		9 11 11 13	75%																																																														Medium Dense	F-M SAND, some silt, trace gravel, no stain, no odor.	SW	0.0
170		17		10 11 10 12	75%																																																																	

COMMENTS: MW-27D is located in Blydenburgh Park.

Boring advanced with truck-mounted Failing F-10 drill rig and 4.25" HSA

Apparent top of clay at 135' - 140' bgs

PROJECT NO. 11174133.00000

BORING NO. MW-27D

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue OU2

CLIENT: NYSDEC

BORING CONTRACTOR: ADT

GROUNDWATER: ~40' bgs

CAS. SAMPLER CORE TUBE

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE
				DIA.		Split Spoon		
				WT.		2"		
				FALL		140 lbs.		
						30"		

BORING NO: MW-27D

SHEET: 2 of 2

JOB NO.: 11174133.00000

BORING LOCATION:

GROUND ELEVATION:

DATE STARTED: 10/23/06

DATE FINISHED: 10/25/06

DRILLER: Sean Miller

GEOLOGIST: Mike Murphy

REVIEWED BY: Scott Fischer

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE					DESCRIPTION			USCS	REMARKS	
	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION			
180		18		9	7	75%	Gray	Loose	F-M SAND, some gravel, no stain, no odor.	SW	0.0
				10	8						
190		19		8	11	75%	Brown	Medium Dense			0.0
				11	11						
200		20		9	9	75%		Loose			0.0
				7	9						
210		21		10	14	75%		Medium Dense			0.0
				11	8						
220		22		7	12	75%					0.0
				11	11						
230		23		5	9	75%		Loose			0.0
				9	11						
240		24		6	11	75%					0.0
				8	9						
250		25		10	8	75%					0.0
				8	7						
260											
B.O.H. @ 260' bgs											

COMMENTS:
End of Boring at 260' bgs.
Boring advanced with truck mounted Falling F-10 Drill Rig and 4.25" HSAs.

PROJECT NO. 11174133.00000

BORING NO. MW-27D

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue, Hauppauge, NY					BORING NO: MW-28D				
CLIENT: NYSDEC					SHEET: 1 of 2				
BORING CONTRACTOR: ADT					JOB NO.: 11174133.00000				
GROUNDWATER: ~ 35' - 40' bgs					BORING LOCATION:				
CAS.					GROUND ELEVATION:				
SAMPLER					DATE STARTED: 10/27/06				
CORE					DATE FINISHED: 10/31/06				
TUBE					DRILLER: Sean Miller				
DATE					GEOLOGIST: Mike Murphy				
TIME					REVIEWED BY: Scott Fischer				
LEVEL					* POCKET PENETROMETER READING				
TYPE									
TYPE									
DIA.									
WT.									
FALL									

DEPTH FEET	SAMPLE					DESCRIPTION			USCS	REMARKS					
	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION							
10	S	1		8 7	50%	Brown	Loose	F-M SAND, trace gravel, no stain no odor.	SW	Dry, 0.0					
				10 6											
20		2		10 8	50%						trace cobbles	↓	Dry, 0.0		
				9 6											
30		3		10 6	50%						Fine SAND, some silt, no stain, no odor	SP	0.0		
				8 10											
40		4		5 4	75%							↓	0.0		
				4 3											
50		5		7 6	75%							↓	0.0		
				12 13											
60		6		2 4	90%							↓	0.0		
				3 4											
70		7		1 3	100%							↓	0.0		
				3 4											
80		8		2 3	100%							↓	0.0		
				1 1											
90		9		3 2	100%							↓	0.0		
			4 3												
100	10		2 2	100%				↓	0.0						
			3 5												
110	11		1 3	100%				↓	0.0						
			3 4												
120	12		3 4	100%				↓	0.0						
			4 5												
130	13		2 4	100%				↓	0.0						
			3 6												
140	Hatched	14	7 9	75%	Gray	↓	↓	CLAY, no stain, no odor	CL	0.0					
				9 7											
150		15	10 8	75%										↓	0.0
				12 13											
160	16	9 9	75%				↓	0.0							
			11 12												
170	17	9 8	75%				F-M SAND, some gravel, no stain, no odor.	SW	0.0						
			9 11					↓	0.0						

COMMENTS: MW-28D is located in Blydenburgh Park.					PROJECT NO. 11174133.00000				
Boring advanced with truck-mounted Failing F-10 drill rig and 4 25" HSA					BORING NO. MW-28D				
Apparent top of clay at 135' - 140' bgs									

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue OU2

BORING NO: MW-28D

CLIENT: NYSDEC

SHEET: 2 of 2

BORING CONTRACTOR: ADT

JOB NO.: 11174133.00000

GROUNDWATER: ~ 35' - 40' bgs

BORING LOCATION:

DATE	TIME	LEVEL	TYPE	CAS.	SAMPLER	CORE	TUBE
					Split Spoon		
			DIA.		2"		
			WT.		140 lbs.		
			FALL		30"		

GROUND ELEVATION:

DATE STARTED:	10/27/06
DATE FINISHED:	10/31/06
DRILLER:	Sean Miller
GEOLOGIST:	Mike Murphy
REVIEWED BY:	Scott Fischer

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE					DESCRIPTION			USCS	REMARKS																	
	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION																			
180		18		8	10	75%	Gray	Medium Dense	F-M SAND, some gravel, no stain, no odor.	SW	0.0																
				11	11			↓																			
190		19		7	12	75%	Brown	Loose																			
				9	9			↓																			
200		20		8	6	75%																					
				6	9			↓																			
210		21		10	7	75%																					
				9	8			↓																			
220		22		7	9	100%																					
				10	9			↓																			
230		23		9	8	75%																					
				8	8			↓																			
240		24		10	11	75%																					
				10	12			↓																			
250		25		9	9	75%																					
				11	10			↓																			
255																											
B.O.H. @ 255' bgs																											

COMMENTS: End of Boring at 255' bgs. Boring advanced with truck mounted Falling F-10 Drill Rig and 4 25" HSA's.

PROJECT NO. 11174133.00000
BORING NO. MW-28D

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue, Hauppauge, NY

BORING NO: MW-29S

CLIENT: NYSDEC

SHEET: 1 of 1

BORING CONTRACTOR: ADT

JOB NO.: 11174133.00000

GROUNDWATER: ~ 2.5' bgs

BORING LOCATION:

DATE	TIME	LEVEL	TYPE	CAS.	SAMPLER	CORE	TUBE
					Split Spoon		
					2"		
					140 lbs.		
					30"		

GROUND ELEVATION:

DATE STARTED: 10/18/06

DATE FINISHED: 10/18/06

DRILLER: Sean Miller

GEOLOGIST: Mike Murphy

REVIEWED BY: Scott Fischer

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE					DESCRIPTION				USCS	REMARKS								
	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	MOISTURE PID (ppm)										
	[Dotted pattern]	1				Brown	Loose	Hand Cleared to 5' bgs	SW	Wet									
5				5	9						50%								
				6	6														
10																			
	[Wavy pattern]	2				Brown	Very Loose	Fine SAND, some silt, trace gravel, no stain, no odor	SP	0.5									
				8	7						50%								
				9	8														
15																			
				3										Brown	Very Loose	B.O.H. @ 30' bgs			
												5	6						75%
												7	8						
20														Brown	Very Loose	B.O.H. @ 30' bgs			
				4															
	4	8	75%																
	7	6																	
25						Brown	Very Loose	B.O.H. @ 30' bgs											
	5																		
				3	4	75%													
	7	7																	
30						Brown	Very Loose	B.O.H. @ 30' bgs											
	6																		
				2	1	75%													
	1	4																	
35																			

COMMENTS: Boring advanced with truck-mounted Failing F-10 drill rig and 4.25" HSA
Hand cleared to 5' bgs, groundwater encountered at ~2.5' bgs.

PROJECT NO. 11174133.00000
BORING NO. MW-29S

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue, Hauppauge, NY

BORING NO: MW-30S

CLIENT: NYSDEC

SHEET: 1 of 1

BORING CONTRACTOR: ADT

JOB NO.: 11174133.00000

GROUNDWATER: - 25' bgs

BORING LOCATION:

DATE	TIME	LEVEL	TYPE	CAS.	SAMPLER	CORE	TUBE
			DIA.		Split Spoon		
			WT.		2"		
			FALL		140 lbs.		
					30"		

GROUND ELEVATION:

DATE STARTED: 10/19/06

DATE FINISHED: 10/19/06

DRILLER: Sean Miller

GEOLOGIST: Mike Murphy

REVIEWED BY: Scott Fischer

DEPTH FEET	STRATA SYMBOL	SAMPLE				DESCRIPTION			USCS	REMARKS MOISTURE PID (ppm)
		"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION		
						Brown		Hand Cleared to 5' bgs		
5	S	1		4 7	50%		Loose	F-M SAND, trace silt and gravel, no stain, no odor.	SW	0.0
			6 9							
10	S	2		8 9	50%		Medium Dense			0.5
			13 11							
15	S	3		9 13	75%					0.4
			10 14							
20	S	4		5 11	50%			Medium SAND, trace silt and gravel, no stain, no odor.	SP	0.3
			11 8							
25	S	5		8 14	75%		Loose	Medium SAND, some gravel no stain, no odor.		Wet. 1.1
			11 10							
30	S	6		7 6	75%					0.9
			11 12							
35	S	7		6 8	75%					1.0
			9 11							

COMMENTS: Boring advanced with truck-mounted Failing F-10 drill rig and 4.25" HSA
Hand cleared to 5' bgs, groundwater encountered at -25' bgs

PROJECT NO. 11174133.00000
BORING NO. MW-30S

B.O.H. @ 35' bgs

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue, Hauppauge, NY				
CLIENT: NYSDEC				
BORING CONTRACTOR: ADT				
GROUNDWATER: ~ 65' bgs				
DATE	TIME	LEVEL	TYPE	TYPE
				DIA.
				WT.
				FALL
* POCKET PENETROMETER READING				

BORING NO:	MW-31
SHEET:	1 of 3
JOB NO.:	11174133.00000
BORING LOCATION:	
GROUND ELEVATION:	
DATE STARTED:	12/18/06
DATE FINISHED:	12/19/06
DRILLER:	Chris Capobianco
GEOLOGIST:	Mike Murphy
REVIEWED BY:	Scott Fischer

DEPTH FEET	SAMPLE					DESCRIPTION			USCS	REMARKS MOISTURE PID (ppm)
	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION		
						Brown		Hand Cleared to 3' bgs		
5		1		7 11 14 10	50%		Medium Dense	F-M SAND, some cobbles, trace gravel, no stain, no odor.	SW	0.1
10		2		5 15 17 12	25%					0.1
15		3		8 9 13 13	40%					0.0
20		4		14 15 21 24	50%					0.0
25		5		11 17 23 19	25%					0.0
30		6		8 11 12 9	75%			F-M SAND, trace gravel and cobbles, no stain, no odor		0.0
35		7		8 12 15 12	75%			F-M SAND, trace silt and gravel. no stain, no odor.		0.0

COMMENTS:
 Boring advanced with truck-mounted CME 550 drill rig and 4.25" HSA
 Hand cleared to 3' bgs, groundwater encountered at ~65' bgs.

PROJECT NO.	11174133.00000
BORING NO.	MW-31

URS Corporation

TEST BORING LOG

PROJECT: 100 Oser Avenue, Hauppauge, NY						BORING NO.: MW-31	
CLIENT: NYSDEC						SHEET: 2 of 3	
BORING CONTRACTOR: ADT						JOB NO.: 11174133.00000	
GROUNDWATER: ~ 65' bgs						BORING LOCATION:	
CAS.						GROUND ELEVATION:	
SAMPLER						DATE STARTED: 12/18/06	
CORE TUBE						DATE FINISHED: 12/19/06	
DATE						DRILLER: Chris Capobianco	
TIME						GEOLOGIST: Mike Murphy	
LEVEL						REVIEWED BY: Scott Fischer	
TYPE							
TYPE							
DIA.							
WT.							
FALL							
* POCKET PENETROMETER READING							

DEPTH FEET	SAMPLE					DESCRIPTION				USCS	REMARKS MOISTURE PID (ppm)
	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION			
40	S	8		9 11 14 13	75%	Brown	Medium Dense	F-M SAND, trace silt and gravel no stain, no odor.	SW	Dry, 0.0	
45				7 12 11 16	50%						0.0
50		10 14 11 15	75%	0.0							
55	S	11	7 9 12 8		50%					Dry, 0.0	
60				11 14 12 10	50%						Moist, 0.0
65		9 12 11 11	100%	Wet, 0.2							
70	S	14	10 9 11 14		75%					0.0	

COMMENTS: Boring advanced with truck-mounted CME 550 drill rig and 4.25" HSA Hand cleared to 3' bgs, groundwater encountered at ~65' bgs.	PROJECT NO.	11174133.00000
	BORING NO.	MW-31

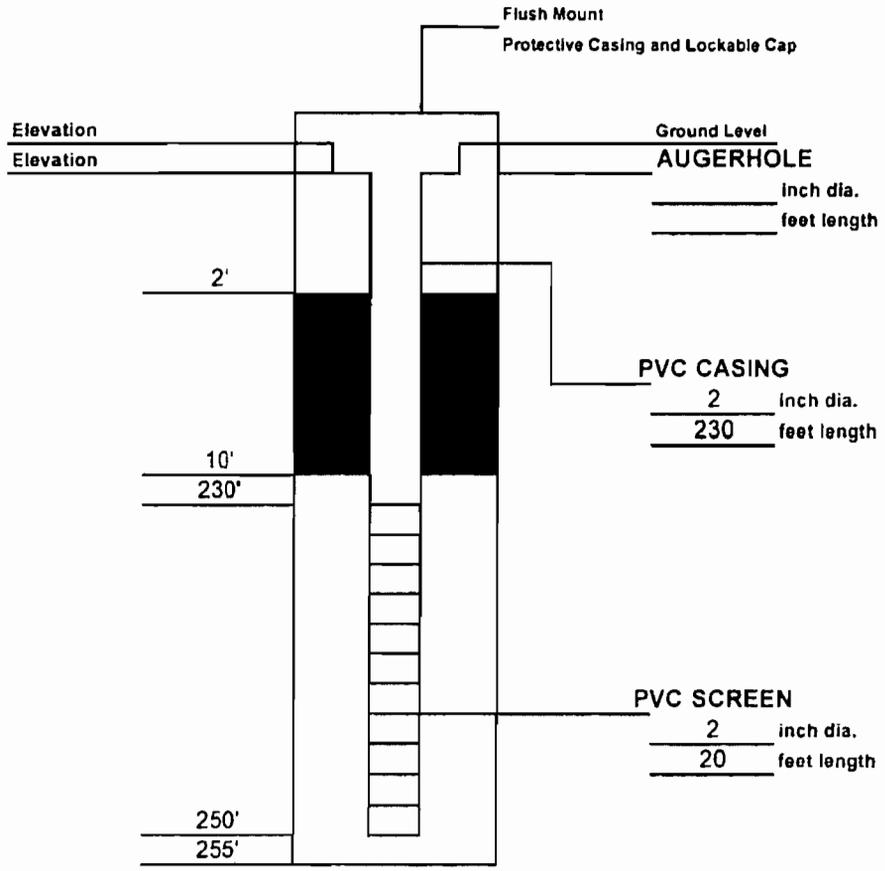
URS Corporation										TEST BORING LOG			
PROJECT: 100 Oser Avenue, Hauppauge, NY					BORING NO: MW-31					SHEET: 3 of 3		JOB NO.: 11174133.00000	
CLIENT: NYSDEC					BORING CONTRACTOR: ADT					BORING LOCATION:			
GROUNDWATER: ~ 65' bgs					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE		Split Spoon			DATE STARTED: 12/18/06				
				DIA.		2"			DATE FINISHED: 12/19/06				
				WT.		140 lbs.			DRILLER: Chris Capobianco				
				FALL		30"			GEOLOGIST: Mike Murphy				
					* POCKET PENETROMETER READING			REVIEWED BY: Scott Fischer					
DEPTH FEET	SAMPLE					DESCRIPTION				USCS	REMARKS		
	STRATA SYMBOL	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION			MOISTURE PID (ppm)		
75	[Symbol]	15		7 9 14 11	75%	Brown ↓	Medium Dense ↓	F-M SAND, trace silt and gravel no stain, no odor. ↓		SW ↓	Wet, 0.0		
80			16	8 8 10 11	50%							0.0	
50								B.O.H. @ 80' bgs					
55													
60													
65													
70													
COMMENTS:					PROJECT NO. 11174133.00000					BORING NO. MW-31			
Boring advanced with truck-mounted CME 550 drill rig and 4.25" HSA													
Hand cleared to 3' bgs, groundwater encountered at ~65' bgs.													

APPENDIX B

**MONITORING WELL CONSTRUCTION LOGS AND
GROUNDWATER PURGE LOGS**

DRILLING SUMMARY	
Geologist: Mike Murphy	
Drilling Company: ADT	
Driller: Sean Miller	
Rig Make/Model: Failing F-10	
Date: 10/25/2006	
GEOLOGIC LOG	
Depth(ft.)	Description
0-130'	F-M SAND, trace silt and gravel, no stain/odor.
130'-160'	CLAY
160'-250'	F-M SAND, some gravel, no stain/odor. Wet @ 37' bgs.

DEPTH



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel grade box Monitor: 2" PVC	Type: 2" PVC Slot Size: .020"	Type: #2 Sand Setting: 10'-250' SEAL MATERIAL Type: Bentonite Setting: 2'-10'

COMMENTS:

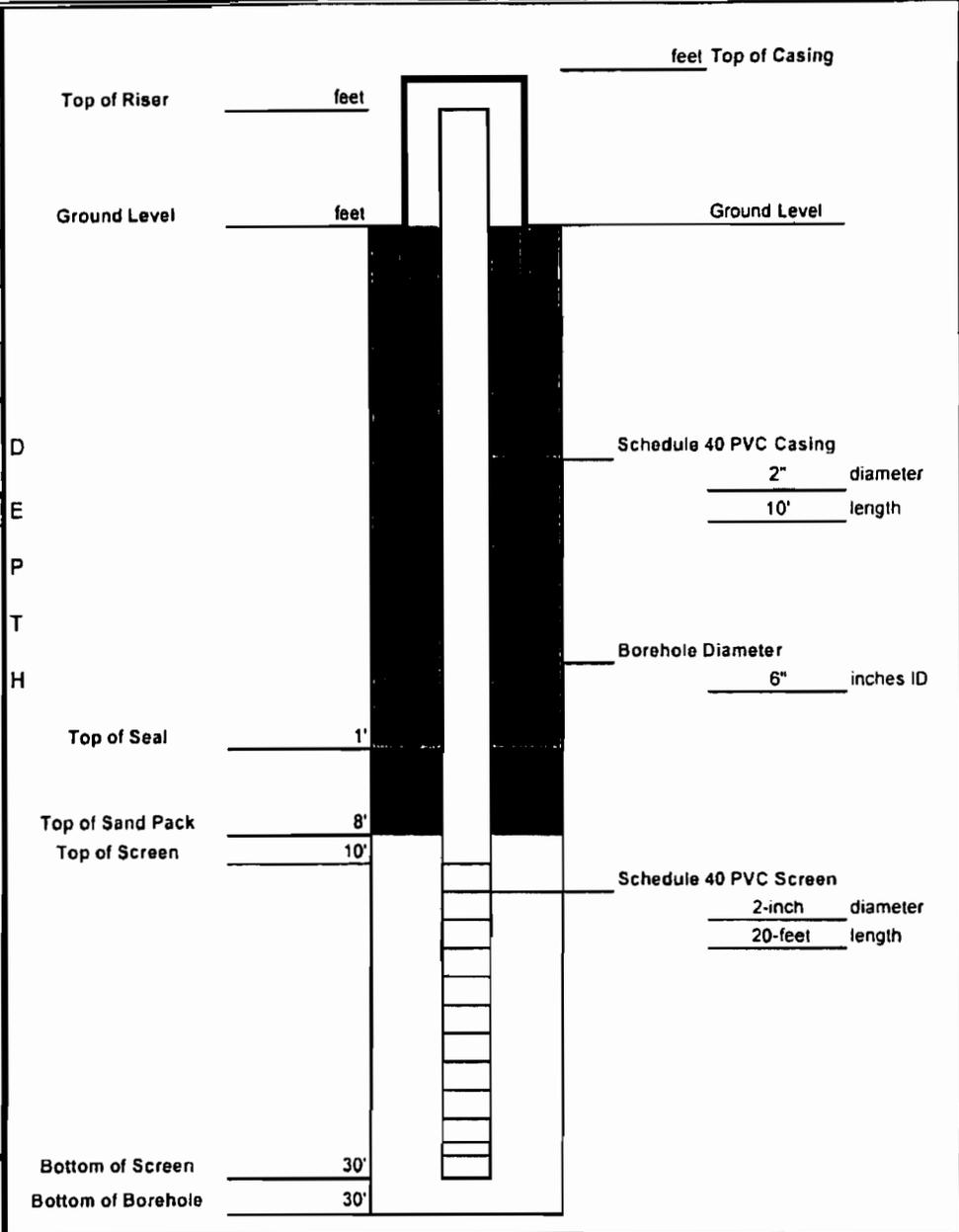
LEGEND	
	Cement/Bentonite Grout
	Bentonite Seal
	Silica Sandpack

Client: NYSDEC	Location: 100 Oser Avenue OU2	Project No.: 11174133.00000
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-25D

DRILLING SUMMARY	
Geologist:	Mike Murphy
Contractor:	ADT
Operator:	Sean Miller
Model:	Failing F-10
Date:	11/14/2006

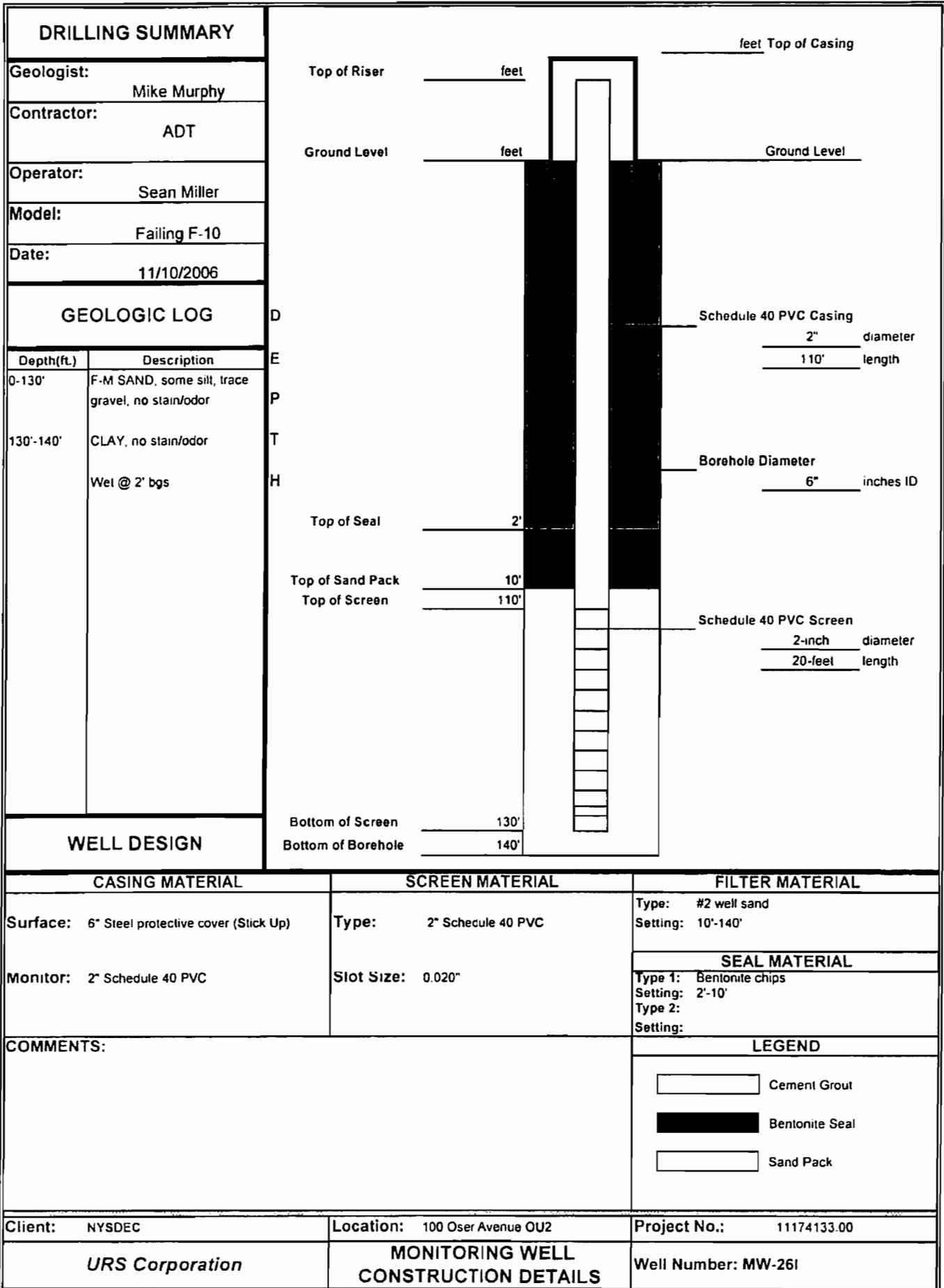
GEOLOGIC LOG	
Depth(ft.)	Description
0-30'	F-M SAND, some silt, trace gravel, no stain/odor. Wet @ 2' bgs

WELL DESIGN



CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: 6" Steel protective cover (Stick Up) Monitor: 2" Schedule 40 PVC	Type: 2" Schedule 40 PVC Slot Size: 0.020"	Type: #2 well sand Setting: 8'-30'
		SEAL MATERIAL
		Type 1: Bentonite chips Setting: 1'-8' Type 2: Setting:
COMMENTS:		LEGEND
		Cement Grout Bentonite Seal Sand Pack

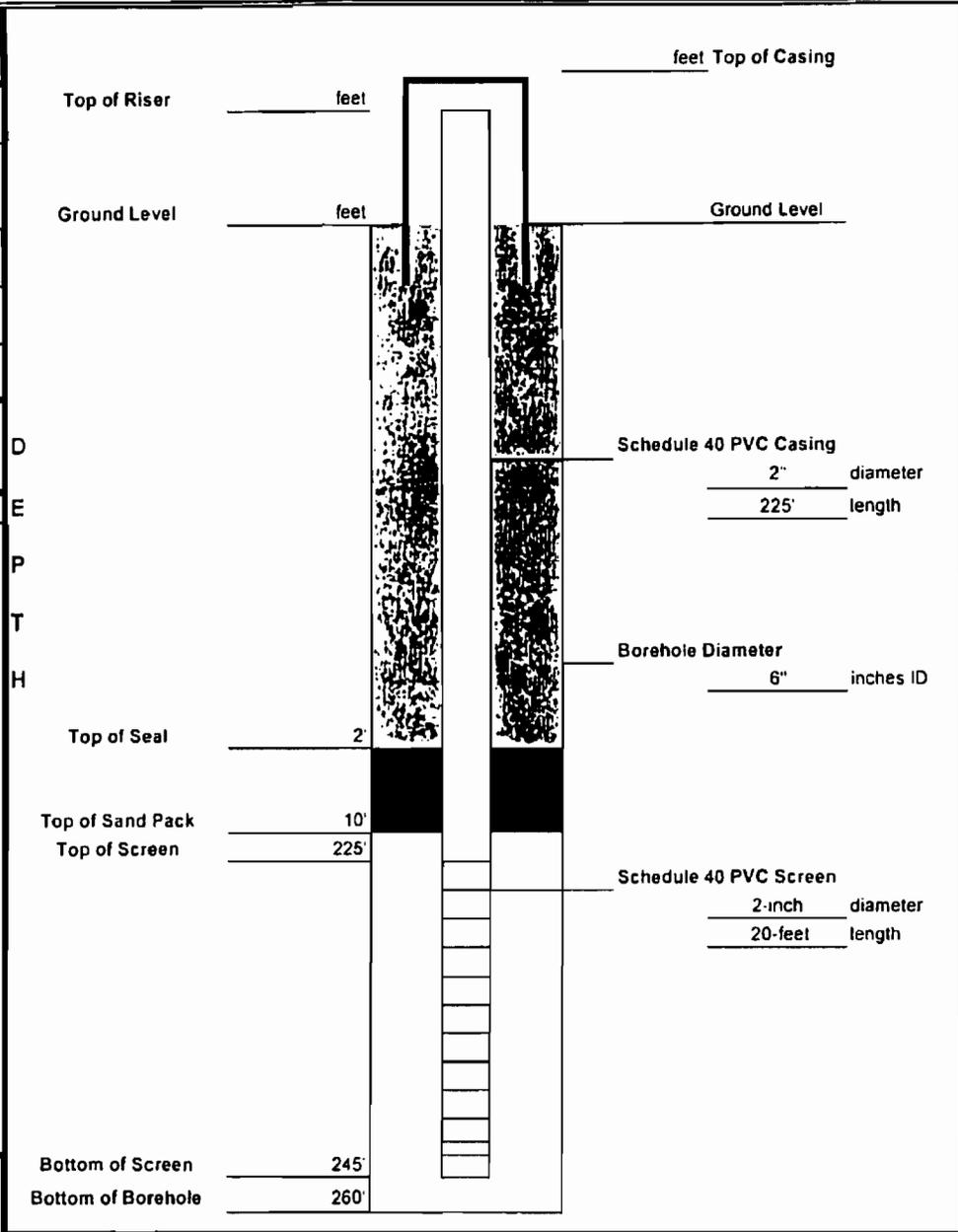
Client: NYSDEC	Location: 100 Oser Avenue OU2	Project No.: 11174133.00
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-26S



DRILLING SUMMARY	
Geologist:	Mike Murphy
Contractor:	ADT
Operator:	Sean Miller
Model:	Failing F-10
Date:	11/9/2006

GEOLOGIC LOG	
Depth(ft.)	Description
0-130'	F-M SAND, some gravel no stain/odor.
130'-160'	CLAY, no stain/odor
160'-260'	F-M SAND, some gravel, no stain/odor. Wet @ 2' bgs

WELL DESIGN



CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: 6" Steel protective cover (Stick Up)	Type: 2" Schedule 40 PVC	Type: #2 well sand Setting: 10'-260'
Monitor: 2" Schedule 40 PVC	Slot Size: 0.020"	SEAL MATERIAL
COMMENTS:		Type 1: Bentonite chips Setting: 2'-10'
		Type 2: Setting:
		LEGEND
		<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 30px; height: 15px; background-color: white;"></div> Cement Grout </div> <div style="display: flex; justify-content: space-around;"> <div style="background-color: black; width: 30px; height: 15px;"></div> Bentonite Seal </div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 30px; height: 15px; background-color: white;"></div> Sand Pack </div>

Client: NYSDEC	Location: 100 Oser Avenue OU2	Project No.: 11174133.00
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-26D

DRILLING SUMMARY		feet Top of Casing	
Geologist: Mike Murphy		Top of Riser	_____ feet
Contractor: ADT		Ground Level	_____ feet
Operator: Sean Miller			
Model: Failing F-10			
Date: 11/6/2006			
GEOLOGIC LOG			
Depth(ft.)	Description		
0-140'	F-M SAND, trace silt/gravel no stain/odor.		
140'-160'	CLAY, no stain/odor		
160'-260'	F-M SAND, some gravel, no stain/odor. Wet @ 40' bgs		
WELL DESIGN			
		Top of Seal	_____ 2'
		Top of Sand Pack	_____ 10'
		Top of Screen	_____ 205'
		Bottom of Screen	_____ 225'
		Bottom of Borehole	_____ 260'
			Schedule 40 PVC Casing _____ 2" diameter _____ 205' length
			Borehole Diameter _____ 6" inches ID
			Schedule 40 PVC Screen _____ 2-inch diameter _____ 20-foot length
CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL	
Surface: 6" Steel protective cover (Stick Up)	Type: 2" Schedule 40 PVC	Type: #2 well sand Setting: 10'-260'	
Monitor: 2" Schedule 40 PVC	Slot Size: 0.020"	SEAL MATERIAL	
		Type 1: Bentonite chips Setting: 2'-10' Type 2: Setting:	
COMMENTS:		LEGEND	
		Cement Grout	
		Bentonite Seal	
		Sand Pack	
Client: NYSDEC	Location: 100 Oser Avenue OU2	Project No.: 11174133.00	
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-27D	

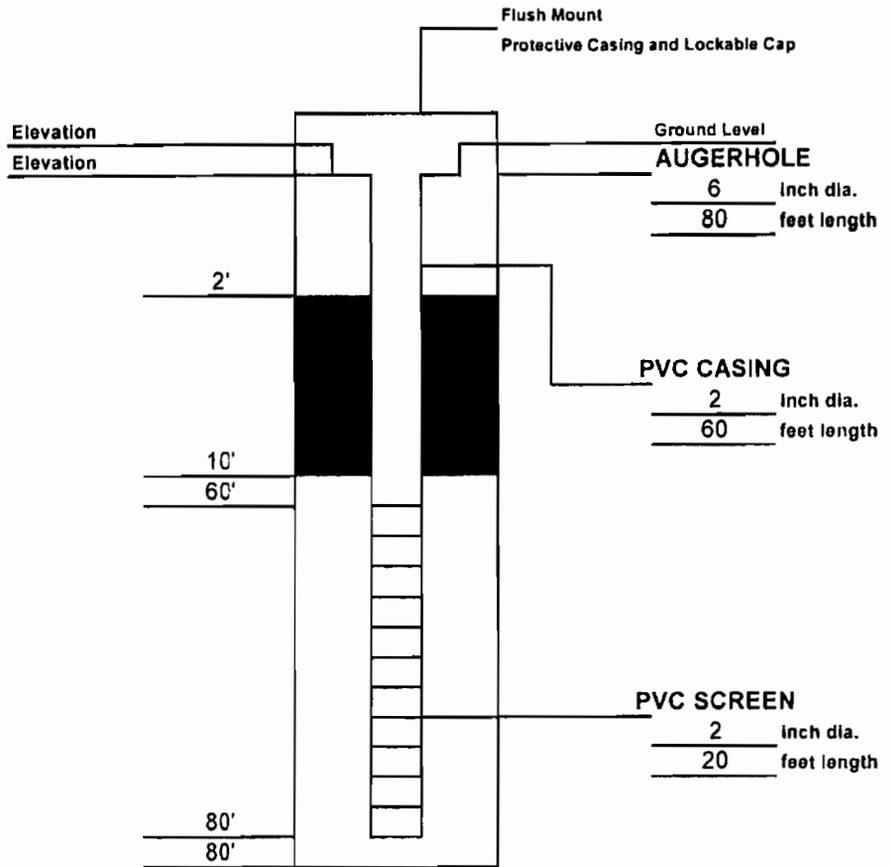
DRILLING SUMMARY			
Geologist: Mike Murphy			feet Top of Casing
Contractor: ADT			feet
Operator: Sean Miller			Ground Level
Model: Failing F-10			Ground Level
Date: 10/31/2006			feet
GEOLOGIC LOG			
Depth(ft.)	Description		
0-140'	F-M SAND, trace silt/gravel no stain/odor.		
140'-160'	CLAY, no stain/odor		
160'-250'	F-M SAND, some gravel, no stain/odor. Wet @ 40' bgs		
		Schedule 40 PVC Casing	2" diameter 230' length
		Borehole Diameter	6" inches ID
		Top of Seal	2'
		Top of Sand Pack	10'
		Top of Screen	230'
		Bottom of Screen	250'
		Bottom of Borehole	255'
WELL DESIGN			
CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL	
Surface: 6" Steel protective cover (Stick Up)	Type: 2" Schedule 40 PVC	Type: #2 well sand	Setting: 10'-255'
Monitor: 2" Schedule 40 PVC	Slot Size: 0.020"	SEAL MATERIAL	
		Type 1: Bentonite chips	Setting: 2'-10'
		Type 2:	Setting:
COMMENTS:		LEGEND	
		Cement Grout	
		Bentonite Seal	
		Sand Pack	
Client: NYSDEC	Location: 100 Oser Avenue OU2	Project No.:	11174133.00
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-28D	

DRILLING SUMMARY			
Geologist: Mike Murphy			
Contractor: ADT			
Operator: Sean Miller			
Model: Failing F-10			
Date: 10/18/2006			
GEOLOGIC LOG		D E P T H	
Depth(ft.)	Description		
0-30'	F-M SAND, trace gravel, no stain/odor. Wet @ 2' bgs		
WELL DESIGN			
CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL	
Surface: 6" Steel protective cover (Suck Up)	Type: 2" Schedule 40 PVC	Type: #2 well sand Setting: 8'-30'	
Monitor: 2" Schedule 40 PVC	Slot Size: 0.020"	SEAL MATERIAL	
			Type 1: Bentonite chips Setting: 1'-8" Type 2: Setting:
COMMENTS:			LEGEND
			<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; border: 1px solid black; background-color: white;"></div> Cement Grout </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: black;"></div> Bentonite Seal </div> <div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; border: 1px solid black; background-color: white;"></div> Sand Pack </div> </div>
Client: NYSDEC	Location: 100 Oser Avenue OU2	Project No.: 11174133.00	
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-29S	

DRILLING SUMMARY													
Geologist: Mike Murphy													
Drilling Company: ADT													
Driller: Sean Miller													
Rig Make/Model: Failing F-10													
Date: 10/19/2006													
GEOLOGIC LOG													
Depth(ft.)	Description												
0-35'	F-M SAND, trace silt and gravel, no stain/odor. Wet @ 25' bgs.												
WELL DESIGN													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">CASING MATERIAL</th> <th style="width: 33%;">SCREEN MATERIAL</th> <th style="width: 33%;">FILTER MATERIAL</th> </tr> </thead> <tbody> <tr> <td>Surface: Steel grade box</td> <td>Type: 2" PVC</td> <td>Type: #2 Sand Setting: 10'-35'</td> </tr> <tr> <td>Monitor: 2" PVC</td> <td>Slot Size: .020"</td> <td>SEAL MATERIAL</td> </tr> <tr> <td></td> <td></td> <td>Type: Bentonite Setting: 2'-10'</td> </tr> </tbody> </table>		CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL	Surface: Steel grade box	Type: 2" PVC	Type: #2 Sand Setting: 10'-35'	Monitor: 2" PVC	Slot Size: .020"	SEAL MATERIAL			Type: Bentonite Setting: 2'-10'
CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL											
Surface: Steel grade box	Type: 2" PVC	Type: #2 Sand Setting: 10'-35'											
Monitor: 2" PVC	Slot Size: .020"	SEAL MATERIAL											
		Type: Bentonite Setting: 2'-10'											
COMMENTS: Located on Croft Lane south of Saxon Court.													
LEGEND <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 15px; display: inline-block;"></div> Cement/Bentonite Grout </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: black; width: 40px; height: 15px; display: inline-block;"></div> Bentonite Seal </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 15px; display: inline-block;"></div> Silica Sandpack </div>													
Client: NYSDEC	Location: 100 Oser Avenue OU2	Project No.: 11174133.00000											
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-25D											

DRILLING SUMMARY	
Geologist: Mike Murphy	
Drilling Company: ADT	
Driller: Sean Miller	
Rig Make/Model: CME 550	
Date: 12/19/2006	
GEOLOGIC LOG	
Depth(ft.)	Description
0-30'	F-M SAND, some cobbles trace gravel, no stain/odor.
30'-80'	F-M SAND, trace silt and gravel, on stain/odor. Wet @ 65' bgs.
WELL DESIGN	

D
E
P
T
H



CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Steel grade box	Type: 2" PVC	Type: #2 Sand Setting: 10'-80'
Monitor: 2" PVC	Slot Size: .020"	SEAL MATERIAL Type: Bentonite Setting: 2'-10'
COMMENTS:		LEGEND
		<div style="border: 1px solid black; width: 50px; height: 15px; margin-bottom: 5px;"></div> Cement/Bentonite Grout <div style="background-color: black; width: 50px; height: 15px; margin-bottom: 5px;"></div> Bentonite Seal <div style="border: 1px solid black; width: 50px; height: 15px; margin-bottom: 5px;"></div> Silica Sandpack
Client: NYSDEC	Location: 100 Oser Avenue OU2	Project No.: 11174133.00000
URS Corporation	MONITORING WELL CONSTRUCTION DETAILS	Well Number: MW-31

APPENDIX C

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

**100 OSER AVENUE
SITE NO. 1-52-162
WORK ASSIGNMENT D004440-15**

Analyses Performed by:

HAMPTON-CLARKE INC. - VERITECH LABORATORY

Prepared by:

**URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203**

MARCH 2007

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II. ANALYTICAL METHODOLOGIES	1
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IV. HOLDING TIMES/SAMPLE RECEIPT	2
V. NONCONFORMANCES.....	2
VI. SAMPLE RESULTS AND REPORTING	3
VII. SUMMARY	3

TABLES

(Following Text)

Table 1	Summary of Data Qualifications
Table 2	Validated Groundwater Analytical Results
Table 3	Validated Field QC Analytical Results

ATTACHMENTS

Attachment A	Validated Form I's
Attachment B	Support Documentation

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 December 19-21, 2006 and February 6-16, 2007 sampling of twenty two groundwater samples, one field duplicate, one equipment rinse blank, and two trip blanks. The analytical laboratory that performed the analyses is Hampton-Clarke, Inc. - Veritech Laboratory located in Fairfield, NJ. The groundwater samples and field QC samples were analyzed for volatile organic compounds (VOCs) following USEPA Method 8260B.

Table 1 summarizes the qualifications applied to the sample results. The validated analytical results are presented on Tables 2 and 3.

A limited data validation was performed following the guidelines in the following USEPA Region II documents: *Standard Operating Procedure for the Validation of Organic Data Acquired using SW-846 Method 8260B*, SOP HW-24, Revision 1, June 1999. The validation consisted of a review of holding times; completeness of all required deliverables; review of QC results (blanks, instrument tunings, calibration standards, spike recoveries, and laboratory control samples) to determine if the data are within the protocol-required limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data include 'UJ' (estimated quantitation limit). Copies of the validated laboratory results (i.e., Form I's) are presented in Attachment A. Documentation supporting

the qualification of data is presented in Attachment B. Only problems affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages (i.e., NYSDEC ASP Category B or equivalent) were provided by the laboratory and included all reporting forms and raw data.

IV. HOLDING TIMES/SAMPLE RECEIPT

All samples were received by the laboratory intact and analyzed within the required holding times.

V. NONCONFORMANCES

- **Initial Calibrations**

The percent relative standard deviation (%RSD) between the relative response factors (RRFs) in the initial calibration (ICAL) exceeded the QC limit [(i.e., > 15%) for methylene chloride. The detected results for methylene chloride in the samples listed on Table 1 have been qualified 'J'. Please note those samples qualified 'U' due to blank contamination are still considered detected for the purpose of calibration qualification.

Documentation supporting the qualification of data (e.g., Form 6) is presented in Attachment B.

- **Continuing Calibrations**

The percent difference (%D) between the ICAL average RRF and the RRF in the continuing calibration (CCAL) standard exceeded the QC limit (i.e. > 20%D) for the following compounds: 1,1,2-trichloro-1,2,2-trifluoroethane, cyclohexane, 2-hexanone,

and 1,2,4-trichlorobenzene. The results for these compounds in the associated samples listed on Table 1 have been qualified 'UJ'.

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

- Blank Contamination

Methylene chloride was detected in the trip blank associated with the samples collected February 6-16, 2007. Those samples that showed results for methylene chloride less than ten times the value detected in the trip blank were qualified 'U' at the quantitation limit (QL). The affected samples have been listed on Table 1.

VI. SAMPLE RESULTS AND REPORTING

All quantitation limits (QLs) were reported in accordance with method requirements.

Samples ITMW-16S and ITMS-22S were analyzed at initial dilutions of 20x and 10x, respectively, due to very high levels of tetrachloroethene. The QLs reported for the non-detect compounds represent the lowest achievable QL at the diluted level.

VII. SUMMARY

All sample analyses were found to be compliant with the method and validation criteria, except where previously noted. Those results qualified 'UJ' (estimated quantitation limit) are considered conditionally usable. All other sample results are usable as reported. URS does not recommend the re-collection of any samples.

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Date: 3/30/07

Reviewed By: Mary E. Bitka, Principal Chemist

Date: 3/30/07

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

- U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- D – The sample results are reported from a separate secondary dilution analysis.
- NJ – Presumptive evidence of a compound at an estimated value.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS
100 OSER AVENUE
NYSDEC W.A. # D004440-15

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
ITMW-9S, ITMW-16D, ITMW-17D, ITMW-17S, ITMW-18D, ITMW-18S, ITMW-21D, ITMW-23D, ITMW-23S, Trip Blank (February)	VOCs	ICAL %RSD > 15% for methylene chloride.	Qualify detects 'J'.
MW-25D, MW-26D, MW- 26I, MW-26S, MW-27D, MW-28D, MW-29S, MW- 30S, MW-31S, Field Dup-1 (MW-31S), Field Blank, Trip Blank (December)	VOCs	CCAL %D > 20%D for 1,1,2- trichloro-1,2,2-trifluoroethane, cyclohexane, 2-hexanone, and 1,2,4-trichlorobenzene.	Qualify non-detects 'UJ'.
ITMW-16D, ITMW-16S, ITMW-17D, ITMW-17S, ITMW-18D, ITMW-18S, ITMW-23S (February)	VOCs	CCAL %D > 20%D for acetone, bromomethane, carbon disulfide, cis-1,3-dichloropropene, trans- 1,3-dichloropropene, chloroethane, 1,1,2,2- tetrachloroethane, 1,2-dibromo-3- chloropropane, 1,2,4- trichlorobenzene, trichlorofluoromethane, and methylene chloride.	Qualify non-detects 'UJ' and detects 'J'.
ITMW-9S, ITMW-23D, ITMW-16D, ITMW-17D, ITMW-17S, ITMW-18D, ITMW-18S, ITMW-21D, ITMW-22D, ITMW-23D, ITMW-23S (February)	VOCs	Methylene chloride detected in the trip blank.	Qualify detects 'U' at the QL.

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		ITMW-09S	ITMW-16D	ITMW-16S	ITMW-17D	ITMW-17S
Sample ID		ITMW-09S	ITMW-16D	ITMW-16S	ITMW-17D	ITMW-17S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/08/07	02/08/07	02/09/07	02/13/07	02/13/07
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	5 U	5 U	100 U	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 U	5 UJ	100 UJ	5 UJ	5 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	100 U	2.3 J	5 U
1,1,2-Trichloroethane	UG/L	5 U	5 U	100 U	5 U	5 U
1,1-Dichloroethane	UG/L	5 U	5 U	100 U	5 U	5 U
1,1-Dichloroethene	UG/L	5 U	5 U	100 U	5 U	5 U
1,2,4-Trichlorobenzene	UG/L	5 U	5 UJ	100 UJ	5 UJ	5 UJ
1,2-Dibromo-3-chloropropane	UG/L	5 U	5 UJ	100 UJ	5 UJ	5 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	5 U	5 U	100 U	5 U	5 U
1,2-Dichlorobenzene	UG/L	5 U	5 U	100 U	5 U	5 U
1,2-Dichloroethane	UG/L	5 U	5 U	100 U	5 U	5 U
1,2-Dichloroethene (cis)	UG/L	5 U	5 U	100 U	5 U	1.4 J
1,2-Dichloroethene (trans)	UG/L	5 U	5 U	100 U	5 U	5 U
1,2-Dichloropropane	UG/L	5 U	5 U	100 U	5 U	5 U
1,3-Dichlorobenzene	UG/L	5 U	5 U	100 U	5 U	5 U
1,3-Dichloropropene (cis)	UG/L	5 U	5 UJ	100 UJ	5 UJ	5 UJ
1,3-Dichloropropene (trans)	UG/L	5 U	5 UJ	100 UJ	5 UJ	5 UJ
1,4-Dichlorobenzene	UG/L	5 U	5 U	100 U	5 U	5 U
2-Hexanone	UG/L	5 U	5 U	100 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 U	100 U	5 U	5 U
Acetone	UG/L	25 U	25 UJ	500 UJ	25 UJ	25 UJ
Benzene	UG/L	1 U	1 U	20 U	1 U	1 U
Bromodichloromethane	UG/L	5 U	5 U	100 U	5 U	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
 Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		ITMW-09S	ITMW-16D	ITMW-16S	ITMW-17D	ITMW-17S
Sample ID		ITMW-09S	ITMW-16D	ITMW-16S	ITMW-17D	ITMW-17S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/08/07	02/08/07	02/09/07	02/13/07	02/13/07
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/L	5 U	5 U	100 U	5 U	5 U
Bromomethane	UG/L	5 U	5 UJ	100 UJ	5 UJ	5 UJ
Carbon disulfide	UG/L	5 U	5 UJ	100 UJ	5 UJ	5 UJ
Carbon tetrachloride	UG/L	5 U	5 U	100 U	5 U	5 U
Chlorobenzene	UG/L	5 U	5 U	100 U	5 U	5 U
Chloroethane	UG/L	5 U	5 UJ	100 UJ	5 UJ	5 UJ
Chloroform	UG/L	1.7 J	5 U	100 U	5 U	5 U
Chloromethane	UG/L	5 U	5 U	100 U	5 U	5 U
Cyclohexane	UG/L	5 U	5 U	100 U	5 U	5 U
Dibromochloromethane	UG/L	5 U	5 U	100 U	5 U	5 U
Dichlorodifluoromethane	UG/L	5 U	5 U	100 U	5 U	5 U
Ethylbenzene	UG/L	1 U	1 U	20 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	1 U	1 U	20 U	1 U	1 U
Methyl acetate	UG/L	5 U	5 U	100 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	5 U	5 U	100 U	5 U	5 U
Methyl tert-butyl ether	UG/L	2.7	1 U	20 U	1 U	1 U
Methylcyclohexane	UG/L	5 U	5 U	100 U	5 U	5 U
Methylene chloride	UG/L	5 UJ	5 UJ	100 UJ	5 UJ	5 UJ
Styrene	UG/L	5 U	5 U	100 U	5 U	5 U
Tetrachloroethene	UG/L	77	190	3,400	11	470
Toluene	UG/L	1 U	1 U	20 U	1 U	1 U
Trichloroethene	UG/L	5 U	5.3	100 U	3.3 J	5 U
Trichlorofluoromethane	UG/L	5 U	5 UJ	100 UJ	5 UJ	5 UJ

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		ITMW-09S	ITMW-16D	ITMW-16S	ITMW-17D	ITMW-17S
Sample ID		ITMW-09S	ITMW-16D	ITMW-16S	ITMW-17D	ITMW-17S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/08/07	02/08/07	02/09/07	02/13/07	02/13/07
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	UG/L	5 U	5 U	100 U	5 U	5 U
Xylene (total)	UG/L	2 U	2 U	40 U	2 U	2 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
 Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		ITMW-18D	ITMW-18S	ITMW-19S	ITMW-21D	ITMW-22D
Sample ID		ITMW-18D	ITMW-18S	ITMW-19S	ITMW-21D	ITMW-22D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/12/07	02/12/07	02/09/07	02/07/07	02/16/07
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 UJ	5 UJ	5 U	5 U	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	UG/L	5 U	5 U	5 U	1.2 J	5 U
1,2,4-Trichlorobenzene	UG/L	5 UJ	5 UJ	5 U	5 U	5 U
1,2-Dibromo-3-chloropropane	UG/L	5 UJ	5 UJ	5 U	5 U	5 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichlorobenzene	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (cis)	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (trans)	UG/L	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	UG/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	UG/L	5 U	5 U	5 U	5 U	5 U
1,3-Dichloropropene (cis)	UG/L	5 UJ	5 UJ	5 U	5 U	5 U
1,3-Dichloropropene (trans)	UG/L	5 UJ	5 UJ	5 U	5 U	5 U
1,4-Dichlorobenzene	UG/L	5 U	5 U	5 U	5 U	5 U
2-Hexanone	UG/L	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	5 U	5 U	5 U	5 U	5 U
Acetone	UG/L	25 UJ	25 UJ	25 U	25 U	25 U
Benzene	UG/L	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	UG/L	5 U	5 U	5 U	5 U	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07

Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		ITMW-18D	ITMW-18S	ITMW-19S	ITMW-21D	ITMW-22D
Sample ID		ITMW-18D	ITMW-18S	ITMW-19S	ITMW-21D	ITMW-22D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/12/07	02/12/07	02/09/07	02/07/07	02/16/07
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UGL	5 U	5 U	5 U	5 U	5 U
Bromomethane	UGL	5 UJ	5 UJ	5 U	5 U	5 U
Carbon disulfide	UGL	5 UJ	5 UJ	5 U	5 U	5 U
Carbon tetrachloride	UGL	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	UGL	5 U	5 U	5 U	5 U	5 U
Chloroethane	UGL	5 UJ	5 UJ	5 U	5 U	5 U
Chloroform	UGL	5 U	5 U	5 U	5 U	5 U
Chloromethane	UGL	5 U	5 U	5 U	5 U	5 U
Cyclohexane	UGL	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	UGL	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	UGL	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	UGL	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	UGL	1 U	1 U	1 U	1 U	1 U
Methyl acetate	UGL	5 U	5 U	5 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UGL	5 U	5 U	5 U	5 U	5 U
Methyl tert-butyl ether	UGL	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	UGL	5 U	5 U	5 U	5 U	5 U
Methylene chloride	UGL	5 UJ	5 UJ	5 U	5 UJ	5 U
Styrene	UGL	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	UGL	15	5 U	5 U	5 U	1.4 J
Toluene	UGL	1 U	1 U	1 U	1 U	1 U
Trichloroethene	UGL	2.1 J	5 U	5 U	13	39
Trichlorofluoromethane	UGL	5 UJ	5 U	5 U	5 U	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		ITMW-18D	ITMW-18S	ITMW-19S	ITMW-21D	ITMW-22D
Sample ID		ITMW-18D	ITMW-18S	ITMW-19S	ITMW-21D	ITMW-22D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		02/12/07	02/12/07	02/09/07	02/07/07	02/16/07
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	UG/L	5 U	5 U	5 U	5 U	5 U
Xylene (total)	UG/L	2 U	2 U	2 U	2 U	2 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
 Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		ITMW-22S	ITMW-23D	ITMW-23S
Sample ID		ITMW-22S	ITMW-23D	ITMW-23S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		02/15/07	02/06/07	02/15/07
Parameter	Units			
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/L	50 U	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	50 U	5 U	5 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	50 U	5 U	5 U
1,1,2-Trichloroethane	UG/L	50 U	5 U	5 U
1,1-Dichloroethane	UG/L	50 U	5 U	5 U
1,1-Dichloroethene	UG/L	50 U	5 U	5 U
1,2,4-Trichlorobenzene	UG/L	50 U	5 U	5 UJ
1,2-Dibromo-3-chloropropane	UG/L	50 U	5 U	5 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	50 U	5 U	5 U
1,2-Dichlorobenzene	UG/L	50 U	5 U	5 U
1,2-Dichloroethane	UG/L	50 U	5 U	5 U
1,2-Dichloroethene (cis)	UG/L	50 U	5 U	5 UJ
1,2-Dichloroethene (trans)	UG/L	50 U	5 U	5 UJ
1,2-Dichloropropane	UG/L	50 U	5 U	5 U
1,3-Dichlorobenzene	UG/L	50 U	5 U	5 U
1,3-Dichloropropene (cis)	UG/L	50 U	5 U	5 U
1,3-Dichloropropene (trans)	UG/L	50 U	5 U	5 U
1,4-Dichlorobenzene	UG/L	50 U	5 U	5 U
2-Hexanone	UG/L	50 U	5 U	5 U
4-Methyl-2-pentanone	UG/L	50 U	5 U	5 U
Acetone	UG/L	250 U	25 U	25 UJ
Benzene	UG/L	10 U	1 U	1 U
Bromodichloromethane	UG/L	50 U	5 U	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
 Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 2
VALIDATED GROUNDWATER ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		ITMW-22S	ITMW-23D	ITMW-23S
Sample ID		ITMW-22S	ITMW-23D	ITMW-23S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		02/15/07	02/06/07	02/15/07
Parameter	Units			
Volatile Organic Compounds				
Bromoform	UG/L	50 U	5 U	5 U
Bromomethane	UG/L	50 U	5 U	5 UJ
Carbon disulfide	UG/L	50 U	5 U	5 UJ
Carbon tetrachloride	UG/L	50 U	5 U	5 U
Chlorobenzene	UG/L	50 U	5 U	5 U
Chloroethane	UG/L	50 U	5 U	5 UJ
Chloroform	UG/L	50 U	5 U	5 U
Chloromethane	UG/L	50 U	5 U	5 U
Cyclohexane	UG/L	50 U	5 U	5 U
Dibromochloromethane	UG/L	50 U	5 U	5 U
Dichlorodifluoromethane	UG/L	50 U	5 U	5 U
Ethylbenzene	UG/L	10 U	1 U	1 U
Isopropylbenzene (Cumene)	UG/L	10 U	1 U	1 U
Methyl acetate	UG/L	50 U	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	50 U	5 U	5 U
Methyl tert-butyl ether	UG/L	10 U	1 U	1 U
Methylcyclohexane	UG/L	50 U	5 U	5 U
Methylene chloride	UG/L	50 U	5 UJ	5 UJ
Styrene	UG/L	50 U	5 U	5 U
Tetrachloroethene	UG/L	1,000	2.4 J	5 UJ
Toluene	UG/L	10 U	1 U	1 U
Trichloroethene	UG/L	50 U	5 U	5 U
Trichlorofluoromethane	UG/L	50 U	5 U	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
Checked By MLK 3/30/07

Detection Limits shown are MDL

**TABLE 2
 VALIDATED GROUNDWATER ANALYTICAL RESULTS
 100 OSER AVENUE
 NYSDEC WA# D004440-15**

Location ID		ITMW-22S	ITMW-23D	ITMW-23S
Sample ID		ITMW-22S	ITMW-23D	ITMW-23S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		02/15/07	02/06/07	02/15/07
Parameter	Units			
Volatile Organic Compounds				
Vinyl chloride	UGL	50 U	5 U	5 U
Xylene (total)	UGL	20 U	2 U	2 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
 Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 3
VALIDATED FIELD QC ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		Trip Blank	Field Blank	TB
Matrix		Water Quality	Water Quality	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		12/19/06	12/21/06	02/06/07
Parameter	Units	Trip Blank (1-1)	Field Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/L	0.40 U	0.40 U	5 U
1,1,1,2-Tetrachloroethane	UG/L	0.25 U	0.25 U	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	0.57 UJ	0.57 UJ	5 U
1,1,2-Trichloroethane	UG/L	0.34 U	0.34 U	5 U
1,1-Dichloroethane	UG/L	0.39 U	0.39 U	5 U
1,1-Dichloroethene	UG/L	0.39 U	0.39 U	5 U
1,2,4-Trichlorobenzene	UG/L	0.39 UJ	0.39 UJ	5 U
1,2-Dibromo-3-chloropropane	UG/L	1.4 U	1.4 U	5 U
1,2-Dibromoethane (Ethylene dibromide)	UG/L	0.78 U	0.78 U	5 U
1,2-Dichlorobenzene	UG/L	0.19 U	0.19 U	5 U
1,2-Dichloroethane	UG/L	0.49 U	0.49 U	5 U
1,2-Dichloroethene (cis)	UG/L	0.34 U	0.34 U	5 U
1,2-Dichloroethene (trans)	UG/L	1.4 U	1.4 U	5 U
1,2-Dichloropropane	UG/L	0.50 U	0.50 U	5 U
1,3-Dichlorobenzene	UG/L	0.39 U	0.39 U	5 U
1,3-Dichloropropene (cis)	UG/L	0.34 U	0.34 U	5 U
1,3-Dichloropropene (trans)	UG/L	0.51 U	0.51 U	5 U
1,4-Dichlorobenzene	UG/L	0.29 U	0.29 U	5 U
2-Hexanone	UG/L	1.4 UJ	1.4 UJ	5 U
4-Methyl-2-pentanone	UG/L	0.21 U	0.21 U	5 U
Acetone	UG/L	5.6 U	5.6 U	25 U
Benzene	UG/L	0.14 U	0.14 U	1 U
Bromodichloromethane	UG/L	0.33 U	0.33 U	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 3
VALIDATED FIELD QC ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		Trip Blank	Field Blank	TB
Matrix		Water Quality	Water Quality	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		12/19/06	12/21/06	02/06/07
Parameter	Units	Trip Blank (1-1)	Field Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds				
Bromoform	UG/L	0.62 U	0.62 U	5 U
Bromomethane	UG/L	0.87 U	0.87 U	5 U
Carbon disulfide	UG/L	0.20 U	0.20 U	5 U
Carbon tetrachloride	UG/L	0.53 U	0.53 U	5 U
Chlorobenzene	UG/L	0.17 U	0.17 U	5 U
Chloroethane	UG/L	0.42 U	0.42 U	5 U
Chloroform	UG/L	0.40 U	0.40 U	5 U
Chloromethane	UG/L	0.65 U	0.65 U	5 U
Cyclohexane	UG/L	0.46 UJ	0.46 UJ	5 U
Dibromochloromethane	UG/L	0.49 U	0.49 U	5 U
Dichlorodifluoromethane	UG/L	0.53 U	0.53 U	5 U
Ethylbenzene	UG/L	0.31 U	0.31 U	1 U
Isopropylbenzene (Cumene)	UG/L	0.16 U	0.16 U	1 U
Methyl acetate	UG/L	0.73 U	0.73 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	1.7 U	1.7 U	5 U
Methyl tert-butyl ether	UG/L	0.36 U	0.36 U	1 U
Methylcyclohexane	UG/L	0.93 U	0.93 U	5 U
Methylene chloride	UG/L	6.1	1.8	2.9 J
Styrene	UG/L	0.21 U	0.21 U	5 U
Tetrachloroethene	UG/L	0.46 U	0.46 U	5 U
Toluene	UG/L	0.21 U	0.21 U	1 U
Trichloroethene	UG/L	0.76 U	0.76 U	5 U
Trichlorofluoromethane	UG/L	0.65 U	0.65 U	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
Checked By MLK 3/30/07

Detection Limits shown are MDL

TABLE 3
VALIDATED FIELD QC ANALYTICAL RESULTS
100 OSER AVENUE
NYSDEC WA# D004440-15

Location ID		FIELDQC	FIELDQC	FIELDQC
Sample ID		Trip Blank	Field Blank	TB
Matrix		Water Quality	Water Quality	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		12/19/06	12/21/06	02/06/07
Parameter	Units	Trip Blank (1-1)	Field Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds				
Vinyl chloride	UGL	0.48 U	0.48 U	5 U
Xylene (total)	UGL	0.49 U	0.49 U	2 U

Flags assigned during chemistry validation are shown.

Made By AMK 3/30/07
 Checked By MLK 3/30/07

Detection Limits shown are MDL

ATTACHMENT A

VALIDATED FORM I's

Form1
ORGANICS VOLATILE REPORT

0000

Sample Number: AC27652-002
Client Id: MW-25D
Data File: 3M29301.D
Analysis Date: 12/27/06 17:38
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U ^S	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U ^S
120-82-1	1,2,4-Trichlorobenzene	0.39	U ^S	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U ^S	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

Handwritten signature/initials

Worksheet #: 37939

Total Target Concentration 0

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff > 50% between columns due to coelution. Lower concentration

Form1
ORGANICS VOLATILE REPORT

02
02
02
02

Sample Number: AC27652-005
Client Id: MW-26D
Data File: 3M29304.D
Analysis Date: 12/27/06 18:49
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U
120-82-1	1,2,4-Trichlorobenzene	0.39	U	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

Handwritten signature and date: 12/27/06

Worksheet #: 37939

Total Target Concentration 0

- Indicates the compound was analyzed but not detected.
 ■ Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
 d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

02
14
2

Sample Number: AC28654-008
Client Id: ITMW-00-18D
Data File: 2M16879.D
Analysis Date: 02/21/07 14:28
Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U ^J
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U ^J	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U ^J
75-35-4	1,2-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U ^J	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U ^J	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2 Methylene Chloride	5.0	2.1 J	U^J
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U ^J	127-18-4 Tetrachloroethene	5.0	15	
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U ^J
74-83-9	Bromomethane	5.0	U ^J	79-01-6 Trichloroethene	5.0	2.1 J	
75-15-0	Carbon Disulfide	5.0	U ^J	75-69-4	Trichlorofluoromethane	5.0	U ^J
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

Handwritten signature and date: 3/21/07

Worksheet #: 41841

Total Target Concentration 19.2

- Indicates the compound was analyzed but not detected.
 - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
 d - Pesticide %Diff > 50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

02
02
02
02

Sample Number: AC27652-004
Client Id: MW-261
Data File: 3M29303.D
Analysis Date: 12/27/06 18:25
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U
120-82-1	1,2,4-Trichlorobenzene	0.39	U	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

CLM
3/12/07

Worksheet #: 37939

Total Target Concentration 0

- Indicates the compound was analyzed but not detected.
- Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

2012

Sample Number: AC27652-006
Client Id: MW-26S
Data File: 3M29305.D
Analysis Date: 12/27/06 19:13
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U
120-82-1	1,2,4-Trichlorobenzene	0.39	U	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

*Check
1/13/07*

Worksheet #: 37939

Total Target Concentration 0

- Indicates the compound was analyzed but not detected.
- Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

02
03
04
05

Sample Number: AC27652-008
Client Id: MW-27D
Data File: 3M29307.D
Analysis Date: 12/27/06 20:01
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U ^J	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U ^J
120-82-1	1,2,4-Trichlorobenzene	0.39	U ^J	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U ^J	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	1.8	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

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3/13/07

Worksheet #: 37939

Total Target Concentration 1.8

- Indicates the compound was analyzed but not detected.

■ Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

40
40
40
40

Sample Number: AC27652-007
Client Id: MW-28D
Data File: 3M29306.D
Analysis Date: 12/27/06 19:37
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U ✓	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U ✓
120-82-1	1,2,4-Trichlorobenzene	0.39	U ✓	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U ✓	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

GUY
3/13/07

Worksheet #: 37939

Total Target Concentration 0

! - Indicates the compound was analyzed but not detected.
 U - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
 d - Pesticide %Diff > 50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

48888

Sample Number: AC27652-001
Client Id: MW-29S
Data File: 3M29300.D
Analysis Date: 12/27/06 17:14
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U <i>J</i>	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U <i>J</i>
120-82-1	1,2,4-Trichlorobenzene	0.39	U <i>J</i>	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U <i>J</i>	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

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9/13/07

Worksheet #: 38608

Total Target Concentration 0

- Indicates the compound was analyzed but not detected.

■ Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff > 50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

6889

Sample Number: AC27652-003
Client Id: MW-30S
Data File: 3M29302.D
Analysis Date: 12/27/06 18:01
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U ⁵	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U ⁵
120-82-1	1,2,4-Trichlorobenzene	0.39	U ⁵	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U ⁵	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

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Worksheet #: 37939

Total Target Concentration 0

- Indicates the compound was analyzed but not detected.

■ Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

0015

Sample Number: AC27652-009
Client Id: MW-31S
Data File: 3M29308.D
Analysis Date: 12/27/06 20:25
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U
120-82-1	1,2,4-Trichlorobenzene	0.39	U	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	5.0
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

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Worksheet #: 37939

Total Target Concentration 5

- Indicates the compound was analyzed but not detected.
- Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

FD OF
mw-315

02
03
04
05

Sample Number: AC27652-010
Client Id: Field Dup-1
Data File: 3M29295.D
Analysis Date: 12/27/06 15:14
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U
120-82-1	1,2,4-Trichlorobenzene	0.39	U	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	U
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	5.5
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

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2/1/07

Worksheet #: 37939

Total Target Concentration 5.5

- Indicates the compound was analyzed but not detected.

■ - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

02
02
02
02

Sample Number: AC27652-011
Client Id: Field Blank
Data File: 3M29296.D
Analysis Date: 12/27/06 15:38
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U ^J	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U ^J
120-82-1	1,2,4-Trichlorobenzene	0.39	U ^J	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	1.8
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U ^J	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

Handwritten: 12/27/06

Worksheet #: 37939

Total Target Concentration 1.8

- Indicates the compound was analyzed but not detected.

■ Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

0010

Sample Number: AC27652-012
Client Id: Trip Blank
Data File: 3M29297.D
Analysis Date: 12/27/06 16:02
Date Rec/Extracted: 12/21/06-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.40	U	75-00-3	Chloroethane	0.42	U
79-34-5	1,1,2,2-Tetrachloroethane	0.25	U	67-66-3	Chloroform	0.40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.57	U ^S	74-87-3	Chloromethane	0.65	U
79-00-5	1,1,2-Trichloroethane	0.34	U	156-59-2	cis-1,2-Dichloroethene	0.34	U
75-34-3	1,1-Dichloroethane	0.39	U	10061-01-5	cis-1,3-Dichloropropene	0.34	U
75-35-4	1,1-Dichloroethene	0.39	U	110-82-7	Cyclohexane	0.46	U ^S
120-82-1	1,2,4-Trichlorobenzene	0.39	U ^S	124-48-1	Dibromochloromethane	0.49	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.4	U	75-71-8	Dichlorodifluoromethane	0.53	U
106-93-4	1,2-Dibromoethane	0.78	U	100-41-4	Ethylbenzene	0.31	U
95-50-1	1,2-Dichlorobenzene	0.19	U	98-82-8	Isopropylbenzene	0.16	U
107-06-2	1,2-Dichloroethane	0.49	U	1330-20-7	m&p-Xylenes	0.49	U
78-87-5	1,2-Dichloropropane	0.50	U	79-20-9	Methyl Acetate	0.73	U
541-73-1	1,3-Dichlorobenzene	0.39	U	108-87-2	Methylcyclohexane	0.93	U
106-46-7	1,4-Dichlorobenzene	0.29	U	75-09-2	Methylene Chloride	1.2	6.1
78-93-3	2-Butanone	1.7	U	1634-04-4	Methyl-t-butyl ether	0.36	U
591-78-6	2-Hexanone	1.4	U ^S	95-47-6	o-Xylene	0.21	U
108-10-1	4-Methyl-2-Pentanone	0.21	U	100-42-5	Styrene	0.21	U
67-64-1	Acetone	5.6	U	127-18-4	Tetrachloroethene	0.46	U
71-43-2	Benzene	0.14	U	108-88-3	Toluene	0.21	U
75-27-4	Bromodichloromethane	0.33	U	156-60-5	trans-1,2-Dichloroethene	1.4	U
75-25-2	Bromoform	0.62	U	10061-02-6	trans-1,3-Dichloropropene	0.51	U
74-83-9	Bromomethane	0.87	U	79-01-6	Trichloroethene	0.76	U
75-15-0	Carbon Disulfide	0.20	U	75-69-4	Trichlorofluoromethane	0.65	U
56-23-5	Carbon Tetrachloride	0.53	U	75-01-4	Vinyl Chloride	0.48	U
108-90-7	Chlorobenzene	0.17	U				

Handwritten signature and date: 12/27/06

Worksheet #: 37939

Total Target Concentration 6.1

I - Indicates the compound was analyzed but not detected.

R - Retention Time Out

*U - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

2005

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC28654-001
 Client Id: ITMW-23D
 Data File: 2M16827.D
 Analysis Date: 02/20/07 18:17
 Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
 Initial Vol: 5ml
 Final Vol: NA
 Dilution: 1
 Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2 Methylene Chloride	5.0	2.6 J UJ	
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U	127-18-4 Tetrachloroethene	5.0	2.4 J	
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	5.0	U	79-01-6	Trichloroethene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	75-69-4	Trichlorofluoromethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

Handwritten signature and date: 3/26/07

Worksheet #: 41841

Total Target Concentration 5

*U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
 d - Pesticide %Diff > 50% between columns due to coelution. Lower concentration used.*

9999

Form1
ORGANICS VOLATILE REPORT

Sample Number: AC28654-002
Client Id: ITMW-21D
Data File: 2M16828.D
Analysis Date: 02/20/07 18:40
Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	1.2 J	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2	Methylene Chloride	5.0	2.3 J
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U	127-18-4	Tetrachloroethene	5.0	U
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	5.0	U	79-01-6	Trichloroethene	5.0	13
75-15-0	Carbon Disulfide	5.0	U	75-69-4	Trichlorofluoromethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

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3/26/07

Worksheet #: 41841

Total Target Concentration 16.5

*U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.*

*R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.*

Form1

ORGANICS VOLATILE REPORT



Sample Number: AC28654-003

Client Id: ITMW-9S

Data File: 2M16829.D

Analysis Date: 02/20/07 19:03

Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	67-66-3	Chloroform	5.0	1.7 J
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2	Methylene Chloride	5.0	4.4 J JS
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	2.7
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U	127-18-4	Tetrachloroethene	5.0	77
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	5.0	U	79-01-6	Trichloroethene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	75-69-4	Trichlorofluoromethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

Handwritten: 02/20/07

Worksheet #: 41841

Total Target Concentration 82.8

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
 d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

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Form1
ORGANICS VOLATILE REPORT

Sample Number: AC28654-004
Client Id: ITMW-00-16D
Data File: 2M16875.D
Analysis Date: 02/21/07 12:56
Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U _J
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U _J	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U _J
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U _J	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2	Methylene Chloride	5.0	0.2 _J U _J
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U _J	127-18-4	Tetrachloroethene	5.0	190
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U _J
74-83-9	Bromomethane	5.0	U _J	79-01-6	Trichloroethene	5.0	5.3
75-15-0	Carbon Disulfide	5.0	U _J	75-69-4	Trichlorofluoromethane	5.0	U _J
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

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Worksheet #: 41841

Total Target Concentration 198.5

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

Sample Number: AC28654-005(20X)
Client Id: ITMW-00-16S
Data File: 2M16891.D
Analysis Date: 02/21/07 19:04
Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 20
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	100	U	75-00-3	Chloroethane	100	U ⁵
79-34-5	1,1,2,2-Tetrachloroethane	100	U ⁵	67-66-3	Chloroform	100	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	100	U	74-87-3	Chloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U	156-59-2	cis-1,2-Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	100	U	10061-01-5	cis-1,3-Dichloropropene	100	U ⁵
75-35-4	1,1-Dichloroethene	100	U	110-82-7	Cyclohexane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U ⁵	124-48-1	Dibromochloromethane	100	U
96-12-8	1,2-Dibromo-3-Chloropropa	100	U ⁵	75-71-8	Dichlorodifluoromethane	100	U
106-93-4	1,2-Dibromoethane	100	U	100-41-4	Ethylbenzene	20	U
95-50-1	1,2-Dichlorobenzene	100	U	98-82-8	Isopropylbenzene	20	U
107-06-2	1,2-Dichloroethane	100	U	1330-20-7	m&p-Xylenes	40	U
78-87-5	1,2-Dichloropropane	100	U	79-20-9	Methyl Acetate	100	U
541-73-1	1,3-Dichlorobenzene	100	U	108-87-2	Methylcyclohexane	100	U
106-46-7	1,4-Dichlorobenzene	100	U	75-09-2	Methylene Chloride	100	U ⁵
78-93-3	2-Butanone	100	U	1634-04-4	Methyl-t-butyl ether	20	U
591-78-6	2-Hexanone	100	U	95-47-6	o-Xylene	20	U
108-10-1	4-Methyl-2-Pentanone	100	U	100-42-5	Styrene	100	U
67-64-1	Acetone	500	U ⁵	127-18-4	Tetrachloroethene	100	3400
71-43-2	Benzene	20	U	108-88-3	Toluene	20	U
75-27-4	Bromodichloromethane	100	U	156-60-5	trans-1,2-Dichloroethene	100	U
75-25-2	Bromoform	100	U	10061-02-6	trans-1,3-Dichloropropene	100	U ¹⁵
74-83-9	Bromomethane	100	U ¹⁵	79-01-6	Trichloroethene	100	U ¹⁵
75-15-0	Carbon Disulfide	100	U ¹⁵	75-69-4	Trichlorofluoromethane	100	U ¹⁵
56-23-5	Carbon Tetrachloride	100	U	75-01-4	Vinyl Chloride	100	U
108-90-7	Chlorobenzene	100	U				

Handwritten signature and date: 3/21/07

Worksheet #: 41841

Total Target Concentration 3400

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT



Sample Number: AC28654-007
 Client Id: ITMW-00-18S
 Data File: 2M16889.D
 Analysis Date: 02/21/07 18:17
 Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
 Initial Vol: 5ml
 Final Vol: NA
 Dilution: 1
 Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U <i>J</i>
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U <i>J</i>	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U <i>J</i>
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U <i>J</i>	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U <i>J</i>	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2 Methylene Chloride	5.0	3.3 <i>J</i>	
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U <i>J</i>	127-18-4	Tetrachloroethene	5.0	U
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U <i>J</i>
74-83-9	Bromomethane	5.0	U <i>J</i>	79-01-6	Trichloroethene	5.0	U
75-15-0	Carbon Disulfide	5.0	U <i>J</i>	75-69-4	Trichlorofluoromethane	5.0	U <i>J</i>
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

Check 2/21/07

Worksheet #: 41841

Total Target Concentration 3.3

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC28654-006
 Client Id: ITMW-00-19S
 Data File: 2M16941.D
 Analysis Date: 02/22/07 17:39
 Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
 Initial Vol: 5ml
 Final Vol: NA
 Dilution: 1
 Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2	Methylene Chloride	5.0	U
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U	127-18-4	Tetrachloroethene	5.0	U
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	5.0	U	79-01-6	Trichloroethene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	75-69-4	Trichlorofluoromethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

Worksheet #: 41841

Total Target Concentration 0

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

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Sample Number: AC28654-009
Client Id: ITMW-00-17S
Data File: 2M16880.D
Analysis Date: 02/21/07 14:51
Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	1.4 J
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2	Methylene Chloride	5.0	2.8 J
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U	127-18-4	Tetrachloroethene	5.0	470
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	5.0	U	79-01-6	Trichloroethene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	75-69-4	Trichlorofluoromethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

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Worksheet #: 41841

Total Target Concentration 474.2

- Indicates the compound was analyzed but not detected.
- Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

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Sample Number: AC28654-010

Matrix: Aqueous

Client Id: ITMW-00-17D

Initial Vol: 5ml

Data File: 2M16881.D

Final Vol: NA

Analysis Date: 02/21/07 15:14

Dilution: 1

Date Rec/Extracted: 02/16/07-NA

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	5.0	2.3 J	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2	Methylene Chloride	5.0	1.9 J
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U	127-18-4	Tetrachloroethene	5.0	11
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	5.0	U	79-01-6	Trichloroethene	5.0	3.3 J
75-15-0	Carbon Disulfide	5.0	U	75-69-4	Trichlorofluoromethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

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Worksheet #: 41841

Total Target Concentration 18.5

l - Indicates the compound was analyzed but not detected.
 j - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
 d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

03
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Sample Number: AC28654-011
Client Id: ITMW-02-23S
Data File: 2M16886.D
Analysis Date: 02/21/07 17:08
Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U ^J
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U ^J	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U ^J
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U ^J	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U ^J	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2	Methylene Chloride	5.0	2.3^J ^{U^J}
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U ^J	127-18-4	Tetrachloroethene	5.0	U
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U ^J
74-83-9	Bromomethane	5.0	U ^J	79-01-6	Trichloroethene	5.0	U
75-15-0	Carbon Disulfide	5.0	U ^J	75-69-4	Trichlorofluoromethane	5.0	U ^J
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

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Worksheet #: 41841

Total Target Concentration 2.3

- Indicates the compound was analyzed but not detected.
- Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

03
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Sample Number: AC28654-012(10X)
Client Id: ITMW-02-22S
Data File: 2M16943.D
Analysis Date: 02/22/07 18:25
Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 10
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	50	U	75-00-3	Chloroethane	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U	67-66-3	Chloroform	50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	50	U	74-87-3	Chloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U	156-59-2	cis-1,2-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U	10061-01-5	cis-1,3-Dichloropropene	50	U
75-35-4	1,1-Dichloroethene	50	U	110-82-7	Cyclohexane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U	124-48-1	Dibromochloromethane	50	U
96-12-8	1,2-Dibromo-3-Chloropropa	50	U	75-71-8	Dichlorodifluoromethane	50	U
106-93-4	1,2-Dibromoethane	50	U	100-41-4	Ethylbenzene	10	U
95-50-1	1,2-Dichlorobenzene	50	U	98-82-8	Isopropylbenzene	10	U
107-06-2	1,2-Dichloroethane	50	U	1330-20-7	m&p-Xylenes	20	U
78-87-5	1,2-Dichloropropane	50	U	79-20-9	Methyl Acetate	50	U
541-73-1	1,3-Dichlorobenzene	50	U	108-87-2	Methylcyclohexane	50	U
106-46-7	1,4-Dichlorobenzene	50	U	75-09-2	Methylene Chloride	50	U
78-93-3	2-Butanone	50	U	1634-04-4	Methyl-t-butyl ether	10	U
591-78-6	2-Hexanone	50	U	95-47-6	o-Xylene	10	U
108-10-1	4-Methyl-2-Pentanone	50	U	100-42-5	Styrene	50	U
67-64-1	Acetone	250	U	127-18-4	Tetrachloroethene	50	1000
71-43-2	Benzene	10	U	108-88-3	Toluene	10	U
75-27-4	Bromodichloromethane	50	U	156-60-5	trans-1,2-Dichloroethene	50	U
75-25-2	Bromoform	50	U	10061-02-6	trans-1,3-Dichloropropene	50	U
74-83-9	Bromomethane	50	U	79-01-6	Trichloroethene	50	U
75-15-0	Carbon Disulfide	50	U	75-69-4	Trichlorofluoromethane	50	U
56-23-5	Carbon Tetrachloride	50	U	75-01-4	Vinyl Chloride	50	U
108-90-7	Chlorobenzene	50	U				

Worksheet #: 41841

Total Target Concentration 1000

J - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

2188

Sample Number: AC28654-013
Client Id: ITMW-02-22D
Data File: 2M16940.D
Analysis Date: 02/22/07 17:16
Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2	Methylene Chloride	5.0	3.4 J
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U	127-18-4	Tetrachloroethene	5.0	1.4 J
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	5.0	U	79-01-6	Trichloroethene	5.0	39
75-15-0	Carbon Disulfide	5.0	U	75-69-4	Trichlorofluoromethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

Handwritten: 2/22/07

Worksheet #: 41841

Total Target Concentration 43.5

- Indicates the compound was analyzed but not detected.

■ - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>50% between columns due to coelution. Lower concentration used.

Form1
ORGANICS VOLATILE REPORT

02/16/07

Sample Number: AC28654-014
Client Id: TB
Data File: 2M16826.D
Analysis Date: 02/20/07 17:54
Date Rec/Extracted: 02/16/07-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	5.0	U	75-00-3	Chloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	67-66-3	Chloroform	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	74-87-3	Chloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U	156-59-2	cis-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U	10061-01-5	cis-1,3-Dichloropropene	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U	110-82-7	Cyclohexane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U	124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	5.0	U	75-71-8	Dichlorodifluoromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	5.0	U	1330-20-7	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	5.0	U	79-20-9	Methyl Acetate	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U	108-87-2	Methylcyclohexane	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U	75-09-2	Methylene Chloride	5.0	2.9 J
78-93-3	2-Butanone	5.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	5.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	5.0	U	100-42-5	Styrene	5.0	U
67-64-1	Acetone	25	U	127-18-4	Tetrachloroethene	5.0	U
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
75-27-4	Bromodichloromethane	5.0	U	156-60-5	trans-1,2-Dichloroethene	5.0	U
75-25-2	Bromoform	5.0	U	10061-02-6	trans-1,3-Dichloropropene	5.0	U
74-83-9	Bromomethane	5.0	U	79-01-6	Trichloroethene	5.0	U
75-15-0	Carbon Disulfide	5.0	U	75-69-4	Trichlorofluoromethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U	75-01-4	Vinyl Chloride	5.0	U
108-90-7	Chlorobenzene	5.0	U				

Worksheet #: 41841

Total Target Concentration 2.9

i - Indicates the compound was analyzed but not detected.
j - Indicates the analyte was found in the blank as well as in the sample.
e - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff > 50% between columns due to coelution. Lower concentration used.

ATTACHMENT B

SUPPORT DOCUMENTATION

3) Reporting Requirements (please circle)

Turnaround Time: 24-Hour (100%)
 48-Hour (75%)
 72-Hour (50%)
 1-Week (25%)
 10 Days (10%)
 Standard
 Other: _____

Report type: Data Sum
 Waste
 Red-NJ/NY/PA
 CLP
 Full/Cat-B
 Cat-A
 Other: _____

Electronic Deliv: Hazsite/Csv
 Equis
 Excel-NJCC
 Excel-Nytagm
 Excel-PAActII
 PDF
 Other: _____

Expedited TAT Not always available (Please check with lab)!

7) Analysis Request

FOR LAB USE ONLY	Batch#	Lab Sample#	Customer Sample ID	4) Customer		5) Matrix		6) Sample		Sample Type	Composite (C)	Grab (G)	Check if Contingent	7) Analysis Request	8) # Of Bottles	9) Methanol Bottle Numbers (if applicable)	Comments
				DW-Drinking Water	GW-Ground Water	WW-Waste Water	S-Soil	SL-Sludge	O-Other								
	ACR27652			MW-295	GW	12/19/06	1525		X								
				MW-25D	GW	12/20/06	0945		X								
				MW-30S	GW	12/20/06	1120		X								
				MW-26I	GW	12/20/06	1255		X								
				MW-26D	GW	12/20/06	1316		X								
				MW-26S	GW	12/20/06	1355		X								
				MW-28D	GW	12/21/06	0945		X								
				MW-27D	GW	12/21/06	1155		X								
				MW-31S	GW	12/21/06	1330		X								
				Field Dup-1		12/21/06			X								

10) Relinquished By: _____
 Accepted By: _____
 Date: 12/21/06
 Time: 1525

11) Sampler: *Timothy C. Murphy*
 Date: 12/21/06
 Cooler Temp: 3.2°C

Comments, Notes, Special Requirements, HAZARDS

(FD OF MW-BIS) *82605*

Please note NUMBERED items. If not completed your analytical work may be delayed.
 A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis.

SDG Narrative

Client: URS Corporation
 Project: 100 Oser Avenue

Hampton-Clarke/Veritech (HC-V) received the following sample from URS Corporation on December 21, 2006:

<u>URS #</u>	<u>HCV #</u>	<u>Type</u>	<u>Analysis</u>
MW-29S	AC27652-001	Aqueous	VO (8260B)
MW-25D	AC27652-002	Aqueous	VO (8260B)
MW-30S	AC27652-003	Aqueous	VO (8260B)
MW-26I	AC27652-004	Aqueous	VO (8260B)
MW-26D	AC27652-005	Aqueous	VO (8260B)
MW-26S	AC27652-006	Aqueous	VO (8260B)
MW-28D	AC27652-007	Aqueous	VO (8260B)
MW-27D	AC27652-008	Aqueous	VO (8260B)
MW-31S	AC27652-009	Aqueous	VO (8260B)
Field Dup-1	AC27652-010	Aqueous	VO (8260B)
Field Blank	AC27652-011	Aqueous	VO (8260B)
TripBlank	AC27652-012	Aqueous	VO (8260B)

Problems associated with the analysis of this sample are as follows:

Volatiles:

Methylene chloride was recovered in samples AC27652-011 and 012 due to possible laboratory contamination.

No other problems were associated with this parameter.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Manager or his designee, as verified by the following signature.


 Jeri Rossi
 Quality Assurance Director

Or

 Stanley Gilewicz
 Laboratory Director

1/18/07
 Date

Form 5

Tune Name: BFB TUNE
Instrument: GCMS_3

Data File: 3M29286.D
Analysis Date: 12/27/06 11:38

(2)
 (3)
 (4)
 1-4

Tune Scan/Time Range: Average of 6.132 to 6.172 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/Fail
50	95	15	40	22.6	35529	PASS
75	95	30	60	55.5	87133	PASS
95	95	100	100	100.0	157088	PASS
96	95	5	9	8.2	12808	PASS
173	174	0.00	2	0.5	555	PASS
174	95	50	100	73.9	116061	PASS
175	174	5	9	7.5	8735	PASS
176	174	95	101	95.7	111080	PASS
177	176	5	9	7.3	8104	PASS

Data File	Sample Number	Analysis Date:
3M29287.D	BLK	12/27/06 11:53
3M29288.D	CAL @ 20 PPB	12/27/06 12:20
3M29289.D	DAILY BLANK	12/27/06 12:50
3M29290.D	DAILY BLANK	12/27/06 13:14
3M29291.D	AC27665-031	12/27/06 13:38
3M29292.D	AC27679-001	12/27/06 14:02
3M29293.D	AC27679-002	12/27/06 14:26
3M29294.D	MBS4445	12/27/06 14:51
3M29295.D	AC27652-010	12/27/06 15:14
3M29296.D	AC27652-011	12/27/06 15:38
3M29297.D	AC27652-012	12/27/06 16:02
3M29298.D	AC27668-012	12/27/06 16:26
3M29299.D	AC27711-001	12/27/06 16:50
3M29300.D	AC27652-001	12/27/06 17:14
3M29301.D	AC27652-002	12/27/06 17:38
3M29302.D	AC27652-003	12/27/06 18:01
3M29303.D	AC27652-004	12/27/06 18:25
3M29304.D	AC27652-005	12/27/06 18:49
3M29305.D	AC27652-006	12/27/06 19:13
3M29306.D	AC27652-007	12/27/06 19:37
3M29307.D	AC27652-008	12/27/06 20:01
3M29308.D	AC27652-009	12/27/06 20:25
3M29309.D	AC27652-002(MS)	12/27/06 20:49
3M29310.D	AC27652-002(MSD)	12/27/06 21:12
3M29311.D	AC27589-010	12/27/06 21:36
3M29312.D	AC27639-001	12/27/06 22:00
3M29313.D	AC27639-002	12/27/06 22:24
3M29314.D	AC27639-004	12/27/06 22:47
3M29315.D	AC27639-003	12/27/06 23:11
3M29316.D	MBS4449	12/27/06 23:35
3M29317.D	BLK	12/27/06 23:59
3M29318.D	MBS4450	12/28/06 00:23
3M29319.D	AC27633-002	12/28/06 00:47
3M29320.D	AC27633-003	12/28/06 01:10
3M29321.D	AC27661-008	12/28/06 01:34
3M29322.D	AC27595-002	12/28/06 01:58
3M29323.D	AC27595-003	12/28/06 02:22
3M29324.D	AC27677-005	12/28/06 02:46
3M29325.D	AC27677-006	12/28/06 03:09
3M29326.D	AC27664-022	12/28/06 03:33
3M29327.D	AC27635-001	12/28/06 03:57
3M29328.D	AC27633-001	12/28/06 04:21
3M29329.D	AC27663-001	12/28/06 04:44
3M29330.D	AC27663-002	12/28/06 05:08
3M29331.D	AC27663-003	12/28/06 05:32
3M29332.D	AC27663-004	12/28/06 05:56
3M29333.D	AC27672-026	12/28/06 06:20
3M29334.D	AC27672-011	12/28/06 06:43
3M29335.D	AC27595-001	12/28/06 07:07
3M29336.D	AC27661-001	12/28/06 07:31
3M29337.D	AC27661-002(MS)	12/28/06 07:55
3M29338.D	AC27661-003(MSD)	12/28/06 08:18
3M29339.D	AC27661-004	12/28/06 08:42
3M29340.D	AC27661-005	12/28/06 09:06
3M29341.D	AC27661-006	12/28/06 09:30
3M29342.D	AC27661-007	12/28/06 09:54
3M29343.D	BLK	12/28/06 10:18
3M29344.D	AC27661-006(100)	12/28/06 10:41
3M29345.D	AC27661-007(100)	12/28/06 11:05
3M29346.D	BLK	12/28/06 11:29
3M29347.D	BLK	12/28/06 11:53

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB
Cont Calibration Date/Time 12/27/2006 12:20:00

Data File: 3M29288.D
Method: 8260

Instrument: GCMS_3

0100

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	7.16	30.00	30				0.000	0.00	
Dichlorodifluoromethane	1	0		1.58	17.94	20			0.403	0.362	10.30	
Chloromethane	1	0	CP	1.76	23.17	20	0.1		0.262	0.304	15.85	
Bromomethane	1	0		2.18	22.49	20			0.178	0.200	12.45	
Vinyl Chloride	1	0	CC	1.85	21.84	20	20		0.255	0.279	9.20	
Chloroethane	1	0		2.28	23.58	20			0.136	0.160	17.90	
Trichlorofluoromethane	1	0		2.56	17.81	20			0.381	0.340	10.96	
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0		3.17	15.46	20			0.215	0.166	22.70	
Methylene Chloride	1	0		3.79	20.67	20			0.196	0.202	3.35	
Acrolein	1	0		3.04	86.34	100			0.015	0.012	13.66	
Acrylonitrile	1	0		4.16	24.83	20			0.052	0.064	24.15	
Iodomethane	1	0		3.32	18.71	20			0.231	0.216	6.45	
Acetone	1	0		3.24	119.42	100			0.096	0.114	19.42	
Carbon Disulfide	1	0		3.41	18.32	20			0.474	0.434	8.40	
t-Butyl Alcohol	1	0		4.05	126.41	100			0.015	0.021	26.41	
Di-isopropyl-ether	1	0		5.00	19.34	20			1.146	1.109	3.30	
1,1-Dichloroethane	1	0	CC	3.15	18.43	20	20		0.345	0.318	7.85	
Methyl Acetate	1	0		3.69	21.04	20			0.182	0.191	5.20	
Methyl-t-butyl ether	1	0		4.24	21.40	20			0.618	0.662	7.00	
N-Hexane	1	0		4.63	16.42	20			0.238	0.195	17.90	
1,1-Dichloroethane	1	0	CP	4.81	19.40	20	0.1		0.509	0.494	3.00	
trans-1,2-Dichloroethene	1	0		4.20	19.62	20			0.157	0.154	1.90	
cis-1,2-Dichloroethene	1	0		5.67	19.40	20			0.455	0.441	3.00	
Bromochloromethane	1	0		5.99	19.11	20			0.259	0.247	4.45	
2,2-Dichloropropane	1	0		5.66	20.33	20			0.384	0.391	1.65	
1,4-Dioxane	1	0		7.94	1139.69	1000			0.003	0.003	13.97	
1,1-Dichloropropene	1	0		6.59	17.70	20			0.399	0.353	11.50	
Chloroform	1	0	CC	6.13	18.77	20	20		0.545	0.511	6.15	
Dibromofluoromethane	1	0	S	6.34	27.72	30			0.300	0.277	7.60	
Cyclohexane	1	0		6.44	15.36	20			0.442	0.340	23.20	
1,2-Dichloroethane-d4	1	0	S	6.75	28.35	30			0.203	0.192	5.50	
1,2-Dichloroethane	1	0		6.84	18.71	20			0.515	0.481	6.45	
2-Butanone	1	0		5.76	19.42	20			0.124	0.148	2.90	
1,1,1-Trichloroethane	1	0		6.36	18.19	20			0.443	0.403	9.05	
Carbon Tetrachloride	1	0		6.58	17.96	20			0.368	0.330	10.20	
Vinyl Acetate	1	0		4.99	44.26	20			0.417	1.046	121.30	
Bromodichloromethane	1	0		8.05	18.75	20			0.431	0.404	6.25	
Methylcyclohexane	1	0		7.76	17.48	20			0.334	0.292	12.60	
Dibromomethane	1	0		7.90	20.55	20			0.170	0.175	2.75	
1,2-Dichloropropane	1	0	CC	7.78	19.97	20	20		0.347	0.347	0.15	
Trichloroethene	1	0		7.56	18.56	20			0.246	0.228	7.20	
Benzene	1	0		6.82	19.83	20			1.047	1.038	0.85	
Chlorobenzene-d5	1	0	I	9.97	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		9.49	20.26	20			0.439	0.445	1.30	
2-Chloroethylvinylether	1	0		8.37	14.86	20			0.171	0.167	25.70	
cis-1,3-Dichloropropene	1	0		8.49	17.79	20			0.597	0.590	11.05	
trans-1,3-Dichloropropene	1	0		8.99	17.14	20			0.552	0.563	14.30	
1,1,2-Trichloroethane	1	0		9.15	20.65	20			0.371	0.383	3.25	
1,2-Dibromoethane	1	0		9.59	20.16	20			0.398	0.401	0.80	
1,3-Dichloropropane	1	0		9.28	20.53	20			0.706	0.725	2.65	
4-Methyl-2-Pentanone	1	0		8.63	17.43	20			0.373	0.360	12.86	
2-Hexanone	1	0		9.37	14.41	20			0.248	0.220	27.95	
Tetrachloroethene	1	0		9.28	19.96	20			0.263	0.263	0.20	
Toluene-d8	1	0	S	8.73	30.69	30			0.917	0.938	2.30	
Toluene	1	0	CC	8.79	20.17	20	20		0.897	0.904	0.85	
1,1,1,2-Tetrachloroethane	1	0		10.05	20.35	20			0.355	0.361	1.75	
Chlorobenzene	1	0	CP	9.99	20.56	20	0.3		0.966	0.993	2.80	
1,4-Dichlorobenzene-d4	1	0	I	11.77	30.00	30				0.000	0.00	
Bromoform	1	0	CP	10.65	19.58	20	0.1		0.499	0.489	2.10	
Ethylbenzene	1	0	CC	10.07	17.91	20	20		0.459	0.411	10.45	
1,1,2,2-Tetrachloroethane	1	0	CP	10.98	19.66	20	0.3		1.044	1.026	1.70	
Bromofluorobenzene	1	0	S	10.90	29.42	30			0.776	0.761	1.93	
Styrene	1	0		10.50	19.04	20			1.967	1.873	4.80	
m&p-Xylenes	1	0		10.17	40.38	40			1.086	1.096	0.95	
o-Xylene	1	0		10.49	19.86	20			1.095	1.087	0.70	
trans-1,4-Dichloro-2-butene	1	0		11.02	17.33	20			0.376	0.326	13.35	
1,3-Dichlorobenzene	1	0		11.73	19.24	20			1.288	1.239	3.80	
1,4-Dichlorobenzene	1	0		11.79	18.56	20			1.376	1.277	7.20	
1,2-Dichlorobenzene	1	0		12.07	19.21	20			1.336	1.283	3.95	
Isopropylbenzene	1	0		10.76	18.47	20			2.785	2.572	7.65	

CC - Continuing Calibration Check Compound
N/O or N/Q - Not applicable for this run

CP - System Performance Check Compound 1 - Internal Standard
* - Failed the C or P Criteria

Page 1 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Form 7

Continuing Calibration

Calibration Name: CAL @ 20 PPB

Data File: 3M29288.D

Instrument: GCMS_3

Cont Calibration Date/Time 12/27/2006 12:20:00

Method: 8260

0103

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2,3-Trichloropropane	1	0		11.02	20.10	20			1.267	1.273	0.50	
2-Chlorotoluene	1	0		11.16	18.10	20			1.268	1.147	9.50	
4-Chlorotoluene	1	0		11.23	16.77	20			1.283	1.076	16.15	
n-Propylbenzene	1	0		11.08	17.68	20			3.586	3.170	11.60	
Bromobenzene	1	0		11.02	19.44	20			1.986	1.930	2.80	
1,3,5-Trimethylbenzene	1	0		11.21	18.42	20			2.454	2.260	7.90	
t-Butylbenzene	1	0		11.45	17.67	20			1.995	1.762	11.65	
1,2,4-Trimethylbenzene	1	0		11.49	18.07	20			2.527	2.283	9.65	
sec-Butylbenzene	1	0		11.62	17.37	20			2.359	2.049	13.15	
4-Isopropyltoluene	1	0		11.71	17.35	20			1.972	1.710	13.25	
n-Butylbenzene	1	0		12.01	15.84	20			1.942	1.537	20.80	
1,2-Dibromo-3-Chloropropane	1	0		12.67	15.99	20			0.171	0.163	20.05	
Hexachlorobutadiene	1	0		13.54	14.41	20			0.239	0.172	27.95	
1,2,4-Trichlorobenzene	1	0		13.41	14.97	20			0.672	0.503	25.15	
1,2,3-Trichlorobenzene	1	0		13.91	14.84	20			0.691	0.513	25.80	
Naphthalene	1	0		13.66	16.79	20			2.061	1.728	16.05	
Freon 113	1	1E		0.00	0.00	20				0.000	100.00	
1,2-Dioxane	1	1E		0.00	0.00	2000				0.000	100.00	
Chlorodifluoromethane	1	1E		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this run

CP - System Performance Check Compound 1 - Internal Standard
* - Failed the C or P Criteria

Page 2 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

3) Reporting Requirements (please circle)
 Turnaround Time: 24-Hour(100%)
 Report type: Data Sum
 Electronic Deliv: Hazite/Csv
 48-Hour(75%) Waste
 72-Hour(50%) Red-NJ/NY/PA
 1-Week(25%) CLP
 10 Days(10%) Full/Cat-B
 (Standard) Cat-A
 Other: PDF
 Other:

2a) Project: 106 Oser Avenue
2b) Project Manager: Don Sundquist
2c) Location (City/State): Hanfange, NY
2d) Quote# / PO# (if Applicable):

Customer Information
 Customer: URS Corp
 Address: 77 Goodell Street
 Buffalo, NY 14203
 Email/Cell/Fax: (716) 856-5636
 Send Invoice To: Don Sundquist
 Send Report To: Don Sundquist

7) Analysis Request

FOR LAB USE ONLY	Batch#	Lab sample#	Matrix Codes:	Check if Contingent==>		Sample Type	Grab (G)	Composite (C)	G	Methanol Bottle Numbers (if applicable)	Comments
				8) # Of Bottles	9) Methanol Bottle Numbers (if applicable)						
	AC28654		DW-Drinking Water GW-Ground Water WW-Waste Water	S-Soil SL-Sludge O-Oil	A-Air Ot-Other						
			4) Customer Sample ID	5) Matrix	6) Sample Date	Time					
		-011	ITMW-02-235	GW	2/15/07	1045					
		-012	ITMW-02-225	GW	2/15/07	1400					
		-013	ITMW-02-220	GW	2/16/07	1330					
		-014	TREP BLANK								

10) Relinquished By: *Richard C. Murphy* **Accepted By:** *[Signature]* **Date:** 2/16/07 **Time:** 1705

11) Sampler: *Richard C. Murphy* **Date:** 2/16/07 **Cooler Temp:** 34

Comments, Notes, Special Requirements, HAZARDS:
 NYSDCE PROJECT

Please note NUMBERED items. If not completed your analytical work may be delayed.
 A fee of \$5/sample will be assessed for storage should sample not be activated for any analysis.

3000

SDG Narrative

Project: URS Corp.
Job: 100 Oser Ave.

Hampton-Clarke, Inc. (HC-V) received the following URS samples on February 16, 2007:

<u>URS#</u>	<u>HC-V #</u>	<u>Type</u>	<u>Analysis</u>
ITMW-23D	AC28654-001	Aqueous	VO+10 (8260B)
ITMW-21D	AC28654-002	Aqueous	VO+10 (8260B)
ITMW-9S	AC28654-003	Aqueous	VO+10 (8260B)
ITMW-00-16D	AC28654-004	Aqueous	VO+10 (8260B)
ITMW-00-16S	AC28654-005	Aqueous	VO+10 (8260B)
ITMW-00-19S	AC28654-006	Aqueous	VO+10 (8260B)
ITMW-00-18S	AC28654-007	Aqueous	VO+10 (8260B)
ITMW-00-18D	AC28654-008	Aqueous	VO+10 (8260B)
ITMW-01-17S	AC28654-009	Aqueous	VO+10 (8260B)
ITMW-01-17D	AC28654-010	Aqueous	VO+10 (8260B)
ITMW-02-23S	AC28654-011	Aqueous	VO+10 (8260B)
ITMW-02-22S	AC28654-012	Aqueous	VO+10 (8260B)
ITMW-02-22D	AC28654-013	Aqueous	VO+10 (8260B)
TB	AC28654-014	Aqueous	VO+10 (8260B)

Problems associated with these analyses are as follows:

Volatiles:

Methylene chloride was recovered in samples AC28654-001-004, 007-011, 013 and 014 due to possible laboratory contamination.

Two compounds were recovered outside the recovery criteria in the MS and MSD for batch 4742:

- 1,1 Dichloroethane: 179%/173%
- Carbon Tetrachloride 172%/172%,

but all QC criteria for this batch was met based on the MBS.

Following samples were analyzed at a dilution due to bad sample matrix: AC28654-005 (20X) and AC28654-012 (10X).

There were no other problems associated with this analysis.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.



Jeri Rossi

Quality Assurance Director

Or

Stanley Gilewicz
Laboratory Director

3.14.07

Date

Initial Calibration

Level #:	Data File:	Cal Identifier:	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M16808	CAL @ 20 PPB	2	2M16810	CAL @ 5 PPB	02/20/07 11:48
3	2M16809	CAL @ 10 PPB	4	2M16807	CAL @ 50 PPB	02/20/07 10:39
5	2M16806	CAL @ 100 PPB	6	2M16805	CAL @ 500 PPB	02/20/07 09:53
7	2M16811	CAL @ 1 PPB				

Compound	Col	Mr	Fit	Analysis Date/Time								Calibration Level Concentrations																					
				RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	AvgRf	RT	Corr1	Corr2	%Rsd	Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8									
Dichlorodifluoromethane	1	0	Avg	0.2800	0.2252	0.2746	0.2836	0.3080	0.2991	---	---	---	---	---	0.278	1.74	1.00	1.00	10.00	50.00	100.00	500.00	20.00	5.00	10.00	50.00	100.00	500.00					
Chloromethane	1	0	Avg	0.4869	0.4265	0.4468	0.4389	0.4576	0.4092	---	---	---	---	---	0.444	1.92	0.999	1.00	6.0**	(0.100)	---	---	---	---	---	---	---	---	---				
Bromomethane	1	0	Avg	0.3309	0.2947	0.3054	0.2851	0.2770	---	---	---	---	---	---	0.299	2.36	0.999	0.999	7.0	---	---	---	---	---	---	---	---	---	---				
Vinyl Chloride	1	0	Avg	0.4453	0.3529	0.3955	0.4143	0.4319	0.3834	---	---	---	---	---	0.404	2.04	0.999	1.00	8.4*	(30)	---	---	---	---	---	---	---	---	---				
Chloroethane	1	0	Avg	0.3067	0.2645	0.2733	0.2774	0.2841	0.2076	---	---	---	---	---	0.269	2.46	0.995	1.00	12	---	---	---	---	---	---	---	---	---	---	---			
Trichlorofluoromethane	1	0	Avg	0.3260	0.2631	0.3226	0.2985	0.3150	0.2563	---	---	---	---	---	0.297	2.73	0.998	1.00	10	---	---	---	---	---	---	---	---	---	---	---			
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	Avg	0.2780	0.2230	0.2611	0.2674	0.2658	0.2152	---	---	---	---	---	0.252	3.32	0.998	1.00	10	---	---	---	---	---	---	---	---	---	---	---			
Methylene Chloride	1	0	LinF	0.4385	0.6712	0.4786	0.4027	0.4099	0.3638	---	---	---	---	---	0.461	3.96	1.00	1.00	24	---	---	---	---	---	---	---	---	---	---	---	---		
Acrolein	1	0	Avg	0.0064	0.0074	0.0058	0.0075	0.0067	0.0080	---	---	---	---	---	0.00702	3.14	0.999	1.00	12	---	---	---	---	---	---	---	---	---	---	---	---		
Acrylonitrile	1	0	Avg	0.1653	0.1587	0.1541	0.1753	0.1839	0.1654	---	---	---	---	---	0.167	4.27	0.999	1.00	6.5	---	---	---	---	---	---	---	---	---	---	---	---		
Iodomethane	1	0	Avg	0.5057	0.5774	0.4667	0.4780	0.4983	0.4022	---	---	---	---	---	0.488	3.51	0.998	1.00	12	---	---	---	---	---	---	---	---	---	---	---	---		
Acetone	1	0	Avg	0.1338	0.1678	0.1323	0.1335	0.1340	0.1670	---	---	---	---	---	0.145	3.32	0.998	1.00	12	---	---	---	---	---	---	---	---	---	---	---	---	---	
Carbon Disulfide	1	0	Avg	0.6901	0.6476	0.5902	0.6898	0.7634	0.7083	---	---	---	---	---	0.682	3.59	1.00	1.00	8.6	---	---	---	---	---	---	---	---	---	---	---	---	---	
n-Butyl Alcohol	1	0	Avg	0.0328	0.0360	0.0329	0.0368	0.0368	0.0304	---	---	---	---	---	0.0343	4.12	0.998	1.00	7.7	---	---	---	---	---	---	---	---	---	---	---	---	---	
t-Hexane	1	0	Avg	0.3110	0.2104	0.2999	0.3258	0.3244	0.3038	---	---	---	---	---	0.296	4.73	1.00	1.00	15	---	---	---	---	---	---	---	---	---	---	---	---	---	
Di-isopropyl-ether	1	0	Avg	1.1973	1.2216	1.1001	1.2381	1.3231	1.1654	---	---	---	---	---	1.21	5.06	0.999	1.00	6.2	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,1-Dichloroethene	1	0	Avg	0.4653	0.4309	0.4142	0.4452	0.4852	0.4136	---	---	---	---	---	0.442	3.32	0.999	1.00	6.5*	(30)	---	---	---	---	---	---	---	---	---	---	---	---	
Methyl Acetate	1	0	Avg	0.3428	0.4321	0.3301	0.3678	0.3858	0.3865	---	---	---	---	---	0.374	3.77	1.00	1.00	9.7	---	---	---	---	---	---	---	---	---	---	---	---	---	
Methyl-t-butyl ether	1	0	Avg	1.0485	1.1420	0.9934	1.0926	1.1198	0.9246	0.7045	---	---	---	---	1.00	4.33	0.998	1.00	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	1	0	Avg	0.5815	0.6229	0.5553	0.6052	0.6476	0.5551	---	---	---	---	---	0.595	4.92	0.999	1.00	6.3**	(0.100)	---	---	---	---	---	---	---	---	---	---	---	---	
trans-1,2-Dichloroethene	1	0	Avg	0.3293	0.3385	0.3041	0.3357	0.3610	0.2976	---	---	---	---	---	0.328	4.33	0.998	1.00	7.2	---	---	---	---	---	---	---	---	---	---	---	---	---	
cis-1,2-Dichloroethene	1	0	Avg	0.4933	0.5250	0.4633	0.5062	0.5352	0.4451	---	---	---	---	---	0.495	5.75	0.998	1.00	7.1	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bromochloromethane	1	0	Avg	0.2676	0.2911	0.2527	0.2801	0.2897	0.2517	---	---	---	---	---	0.272	6.08	0.999	1.00	6.5	---	---	---	---	---	---	---	---	---	---	---	---	---	
2,2-Dichloropropane	1	0	Avg	0.3046	0.2886	0.2955	0.3452	0.3574	0.2725	---	---	---	---	---	0.311	5.75	0.996	1.00	11	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,4-Dioxane	1	0	Avg	0.0034	0.0033	0.0032	0.0041	0.0040	0.0032	---	---	---	---	---	0.00358	7.97	0.997	1.00	11	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,1-Dichloropropene	1	0	Avg	0.3809	0.3381	0.3559	0.3972	0.4145	0.3443	---	---	---	---	---	0.372	6.64	0.998	1.00	8.2	---	---	---	---	---	---	---	---	---	---	---	---	---	
Chloroform	1	0	Avg	0.3360	0.3819	0.3280	0.3341	0.3391	0.3094	---	---	---	---	---	0.338	6.23	1.00	1.00	7.1*	(30)	---	---	---	---	---	---	---	---	---	---	---	---	
Dibromofluoromethane	1	0	Avg	0.2747	0.2813	0.2842	0.2804	0.2682	0.2649	0.2941	---	---	---	---	0.278	6.42	-1	-1	3.6	---	---	---	---	---	---	---	---	---	---	---	---	---	
Cyclohexane	1	0	LinF	0.4009	0.2754	0.3954	0.4577	0.4562	0.3930	---	---	---	---	---	0.396	6.52	0.999	1.00	17	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2-Dichloroethane-d4	1	0	Avg	0.0773	0.0746	0.0771	0.0745	0.0739	0.0738	0.0759	---	---	---	---	0.0753	6.82	-1	-1	2.0	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2-Dichloroethane	1	0	Avg	0.4218	0.4767	0.4152	0.4378	0.4304	0.3548	---	---	---	---	---	0.423	6.91	0.998	1.00	9.4	---	---	---	---	---	---	---	---	---	---	---	---	---	
2-Butanone	1	0	Avg	0.1845	0.1824	0.1853	0.1827	0.1794	0.1848	---	---	---	---	---	0.183	5.77	1.00	1.00	1.2	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,1,1-Trichloroethane	1	0	Avg	0.3350	0.3077	0.3259	0.3641	0.3696	0.3168	---	---	---	---	---	0.337	6.45	0.999	1.00	7.5	---	---	---	---	---	---	---	---	---	---	---	---	---	
Carbon Tetrachloride	1	0	Avg	0.2670	0.2280	0.2450	0.2853	0.2847	0.2347	---	---	---	---	---	0.257	6.65	0.998	1.00	9.7	---	---	---	---	---	---	---	---	---	---	---	---	---	
Vinyl Acetate	1	0	Avg	0.8635	0.8097	0.7171	0.7800	0.7826	0.7491	---	---	---	---	---	0.784	5.00	1.00	1.00	6.4	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bromodichloromethane	1	0	Avg	0.3587	0.3767	0.3172	0.3868	0.4056	0.3662	---	---	---	---	---	0.369	8.11	0.999	1.00	8.2	---	---	---	---	---	---	---	---	---	---	---	---	---	
Methylcyclohexane	1	0	LinF	0.4040	0.2849	0.3918	0.4415	0.4403	0.3331	---	---	---	---	---	0.383	7.82	0.995	1.00	16	---	---	---	---	---	---	---	---	---	---	---	---	---	
Dibromomethane	1	0	Avg	0.2498	0.2738	0.2374	0.2673	0.2605	0.2226	---	---	---	---	---	0.252	7.96	0.999	1.00	7.7	---	---	---	---	---	---	---	---	---	---	---	---	---	
1,2-Dichloropropane	1	0	Avg	0.2967	0.3248	0.2864	0.3184	0.3301	0.2847	---	---	---	---	---	0.307	7.84	0.999	1.00	6.5*	(30)	---	---	---	---	---	---	---	---	---	---	---	---	
Trichloroethene	1	0	Avg	0.3167	0.3216	0.3117	0.3310	0.3494	0.2792	---	---	---	---	---	0.318	7.61	0.997	1.00	7.3	---	---	---	---	---	---	---	---	---	---	---	---	---	
Benzene	1	0	Avg	1.1183	1.2061	1.0807	1.1661	1.2040	0.9919	0.8579	---	---	---	---	1.09	6.89	0.998	1.00	12	---	---	---	---	---	---	---	---	---	---	---	---	---	
Dibromochloromethane	1	0	Avg	0.3973	0.3639	0.3567	0.4329	0.4457	0.3959	---	---	---	---	---	0.399	9.54	0.999	1.00	8.9	---	---	---	---	---	---	---	---	---	---	---	---	---	

Avg Rsd: 9.62

Note:
 Corr 1 = Correlation Coefficient for linear Eq.
 Corr 2 = Correlation Coefficient for quad Eq.
 Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Flags
 a - failed the spcc criteria * - ccc compound
 b - failed the ccc criteria ** - spcc compound
 c - failed the

Form 5

Tune Name: BFB TUNE

Data File: 2M16867.D

Instrument: GCMS_2

Analysis Date: 02/21/07 09:42

Tune Scan/Time Range: Average of 9.867 to 9.917 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/Fail
50	95	15	40	20.6	42154	PASS
75	95	30	60	48.5	99283	PASS
95	95	100	100	100.0	204823	PASS
96	95	5	9	7.9	16151	PASS
173	174	0.00	2	0.5	1052	PASS
174	95	50	100	96.3	197313	PASS
175	174	5	9	7.5	14848	PASS
176	174	95	101	98.4	194217	PASS
177	176	5	9	7.0	13509	PASS

Data File	Sample Number	Analysis Date:
2M16868.D	CAL @ 20 PPB	02/21/07 09:59
2M16869.D	DAILY BLANK	02/21/07 10:37
2M16870.D	DAILY BLANK	02/21/07 11:00
2M16871.D	AC28631-006	02/21/07 11:24
2M16872.D	AC28643-003	02/21/07 11:47
2M16873.D	AC28618-001	02/21/07 12:10
2M16874.D	AC28642-008	02/21/07 12:33
2M16875.D	AC28654-004	02/21/07 12:56
2M16876.D	AC28654-005	02/21/07 13:19
2M16877.D	AC28654-006	02/21/07 13:42
2M16878.D	AC28654-007	02/21/07 14:05
2M16879.D	AC28654-008	02/21/07 14:28
2M16880.D	AC28654-009	02/21/07 14:51
2M16881.D	AC28654-010	02/21/07 15:14
2M16882.D	MBS4737	02/21/07 15:37
2M16883.D	AC28676-027	02/21/07 16:00
2M16884.D	AC28676-028	02/21/07 16:23
2M16885.D	AC28676-026	02/21/07 16:46
2M16886.D	AC28654-011	02/21/07 17:08
2M16887.D	AC28654-012	02/21/07 17:31
2M16888.D	AC28654-013	02/21/07 17:54
2M16889.D	AC28654-007	02/21/07 18:17
2M16890.D	AC28654-006	02/21/07 18:41
2M16891.D	AC28654-005(20X)	02/21/07 19:04
2M16892.D	AC28585-005(MS)	02/21/07 19:27
2M16893.D	AC28585-005(MSD)	02/21/07 19:50
2M16894.D	AC28618-002	02/21/07 20:12
2M16895.D	AC28618-003	02/21/07 20:35
2M16896.D	AC28618-004	02/21/07 20:59
2M16897.D	MBS4742	02/21/07 21:22
2M16898.D	AC28633-007(MS)	02/21/07 21:45
2M16899.D	AC28633-007(MSD)	02/21/07 22:08
2M16900.D	AC28656-004	02/21/07 22:31
2M16901.D	AC28656-005	02/21/07 22:53
2M16902.D	AC28653-009	02/21/07 23:16
2M16903.D	AC28653-010	02/21/07 23:39
2M16904.D	AC28653-001	02/22/07 00:02
2M16905.D	AC28653-003	02/22/07 00:25
2M16906.D	AC28653-004	02/22/07 00:47
2M16907.D	AC28653-005	02/22/07 01:10
2M16908.D	AC28653-006	02/22/07 01:33
2M16909.D	AC28653-007	02/22/07 01:56
2M16910.D	AC28653-008	02/22/07 02:19
2M16911.D	AC28672-001	02/22/07 02:42
2M16912.D	AC28672-003	02/22/07 03:05
2M16913.D	AC28671-017	02/22/07 03:28
2M16914.D	AC28671-018	02/22/07 03:51
2M16915.D	AC28671-020	02/22/07 07:27
2M16916.D	AC28671-021	02/22/07 07:49
2M16917.D	AC28653-002(5X)	02/22/07 08:15
2M16918.D	AC28672-002(5X)	02/22/07 08:41
2M16919.D	BLK	02/22/07 09:04
2M16920.D	MBS4744	02/22/07 09:27

88037

Form 7

Continuing Calibration

Calibration Name: CAL @ 20 PPB
Cont Calibration Date/Time 2/21/2007 9:59:00 A

Data File: 2M16868.D
Method: 8260

Instrument: GCMS_2

2007

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	7.19	30.00	30				0.000	0.00	
Dichlorodifluoromethane	1	0		1.70	22.81	20			0.278	0.318	14.05	
Chloromethane	1	0	CP	1.94	22.50	20	0.1		0.444	0.500	12.50	
Bromomethane	1	0		2.34	26.72	20			0.299	0.399	33.60	
Vinyl Chloride	1	0	CC	1.99	21.18	20	20		0.404	0.428	5.90	
Chloroethane	1	0		2.42	25.02	20			0.269	0.336	25.10	
Trichlorofluoromethane	1	0		2.69	26.18	20			0.297	0.389	30.90	
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0		3.30	23.39	20			0.252	0.295	16.95	
Methylene Chloride	1	0		3.93	24.54	20			0.461	0.449	22.70	
Acrolein	1	0		3.14	103.11	100			0.007	0.007	3.11	
Acrylonitrile	1	0		4.27	19.11	20			0.167	0.160	4.45	
Iodomethane	1	0		3.47	22.54	20			0.488	0.550	12.70	
Acetone	1	0		3.33	155.12	100			0.145	0.225	55.12	
Carbon Disulfide	1	0		3.56	15.71	20			0.682	0.535	21.45	
t-Butyl Alcohol	1	0		4.10	81.33	100			0.034	0.028	18.67	
n-Hexane	1	0		4.73	15.21	20			0.296	0.225	23.95	NT
Di-isopropyl-ether	1	0		5.04	18.32	20			1.208	1.106	8.40	
1,1-Dichloroethene	1	0	CC	3.28	20.59	20	20		0.442	0.456	2.95	
Methyl Acetate	1	0		3.77	17.99	20			0.374	0.337	10.05	
Methyl-t-butyl ether	1	0		4.33	21.76	20			1.004	1.092	8.80	
1,1-Dichloroethane	1	0	CP	4.92	18.48	20	0.1		0.595	0.550	7.60	
trans-1,2-Dichloroethene	1	0		4.33	18.67	20			0.328	0.306	6.65	
cis-1,2-Dichloroethene	1	0		5.74	18.02	20			0.495	0.446	9.90	
Bromochloromethane	1	0		6.07	19.75	20			0.272	0.269	1.25	
2,2-Dichloropropane	1	0		5.74	13.02	20			0.311	0.202	34.90	NT
1,4-Dioxane	1	0		7.95	826.37	1000			0.004	0.003	17.36	
1,1-Dichloropropene	1	0		6.63	17.93	20			0.372	0.333	10.35	
Chloroform	1	0	CC	6.19	20.02	20	20		0.338	0.338	0.10	
Dibromofluoromethane	1	0	S	6.41	31.61	30			0.278	0.293	5.37	
Cyclohexane	1	0		6.50	17.06	20			0.396	0.338	14.70	
1,2-Dichloroethane-d4	1	0	S	6.81	30.61	30			0.075	0.077	2.03	
1,2-Dichloroethane	1	0		6.90	22.90	20			0.423	0.484	14.50	
2-Butanone	1	0		5.77	23.26	20			0.183	0.213	16.30	
1,1,1-Trichloroethane	1	0		6.43	19.38	20			0.337	0.326	3.10	
Carbon Tetrachloride	1	0		6.64	19.49	20			0.258	0.251	2.55	
Vinyl Acetate	1	0		5.04	15.27	20			0.784	0.598	23.65	NT
Bromodichloromethane	1	0		8.10	18.58	20			0.369	0.342	7.10	
Methylcyclohexane	1	0		7.80	18.85	20			0.383	0.319	5.75	
Dibromomethane	1	0		7.93	20.39	20			0.252	0.257	1.95	
1,2-Dichloropropane	1	0	CC	7.82	18.66	20	20		0.307	0.286	6.70	
Trichloroethene	1	0		7.60	21.42	20			0.318	0.341	7.10	
Benzene	1	0		6.88	19.82	20			1.089	1.080	0.90	
Chlorobenzene-d5	1	0	I	10.00	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		9.52	18.95	20			0.399	0.378	5.25	
2-Chloroethylvinylether	1	0		8.38	16.90	20			0.306	0.259	15.50	
cis-1,3-Dichloropropene	1	0		8.52	15.62	20			0.629	0.491	21.90	
trans-1,3-Dichloropropene	1	0		9.02	15.93	20			0.584	0.465	20.35	
1,1,2-Trichloroethane	1	0		9.18	19.37	20			0.404	0.391	3.15	
1,2-Dibromoethane	1	0		9.62	19.31	20			0.452	0.436	3.45	
1,3-Dichloropropane	1	0		9.32	18.78	20			0.722	0.677	6.10	
4-Methyl-2-Pentanone	1	0		8.65	18.39	20			0.462	0.424	8.05	
2-Hexanone	1	0		9.38	20.52	20			0.337	0.346	2.60	
Tetrachloroethene	1	0		9.31	17.86	20			0.325	0.290	10.70	
Toluene-d8	1	0	S	8.76	29.38	30			1.334	1.307	2.07	
Toluene	1	0	CC	8.83	18.76	20	20		0.950	0.891	6.20	
1,1,1,2-Tetrachloroethane	1	0		10.09	18.85	20			0.332	0.313	5.75	
Chlorobenzene	1	0	CP	10.02	18.63	20	0.3		1.037	0.966	6.85	
1,4-Dichlorobenzene-d4	1	0	I	11.80	30.00	30				0.000	0.00	
Bromoform	1	0	CP	10.69	17.52	20	0.1		0.550	0.482	12.40	
Ethylbenzene	1	0	CC	10.10	19.57	20	20		0.486	0.475	2.15	
1,1,2,2-Tetrachloroethane	1	0	CP	11.01	14.31	20	0.3		0.904	0.647	28.45	
Bromofluorobenzene	1	0	S	10.92	30.11	30			0.882	0.885	0.37	
Styrene	1	0		10.53	18.19	20			2.044	1.859	9.05	
m&p-Xylenes	1	0		10.20	45.75	40			1.128	1.117	14.38	
o-Xylene	1	0		10.52	21.71	20			1.111	1.085	8.55	
trans-1,4-Dichloro-2-butene	1	0		11.05	16.44	20			0.296	0.243	17.80	
1,3-Dichlorobenzene	1	0		11.76	18.37	20			1.354	1.243	8.15	
1,4-Dichlorobenzene	1	0		11.82	17.45	20			1.464	1.278	12.75	
1,2-Dichlorobenzene	1	0		12.10	18.28	20			1.325	1.210	8.60	
Isopropylbenzene	1	0		10.79	17.66	20			2.707	2.441	11.70	

CC - Continuing Calibration Check Compound
N/O or N/O - Not applicable for this run

CP - System Performance Check Compound I - Internal Standard
* - Failed the C or P Criteria

Page 1 of 2

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Form7
Continuing Calibration

Calibration Name: CAL @ 20 PPB
Cont Calibration Date/Time 2/21/2007 9:59:00 A

Data File: 2M16868.D
Method: 8260

Instrument: GCMS_2

8176

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1,2,3-Trichloropropane	1	0		11.05	17.57	20			1.220	1.072	12.15	
2-Chlorotoluene	1	0		11.19	16.76	20			0.966	0.810	16.20	
4-Chlorotoluene	1	0		11.27	17.23	20			1.039	0.895	13.85	
n-Propylbenzene	1	0		11.11	17.96	20			3.354	3.012	10.20	
Bromobenzene	1	0		11.05	18.58	20			1.708	1.587	7.10	
1,3,5-Trimethylbenzene	1	0		11.24	18.35	20			2.210	2.027	8.25	
t-Butylbenzene	1	0		11.48	18.03	20			2.079	1.875	9.85	
1,2,4-Trimethylbenzene	1	0		11.52	18.51	20			2.193	2.030	7.45	
sec-Butylbenzene	1	0		11.65	17.35	20			2.503	2.171	13.25	
4-Isopropyltoluene	1	0		11.74	17.80	20			2.103	1.871	11.00	
n-Butylbenzene	1	0		12.05	15.75	20			1.885	1.485	21.25	
1,2-Dibromo-3-Chloropropane	1	0		12.66	13.74	20			0.164	0.112	31.30	
Hexachlorobutadiene	1	0		13.36	12.72	20			0.209	0.133	36.40	
1,2,4-Trichlorobenzene	1	0		13.26	11.65	20			0.481	0.280	41.75	
1,2,3-Trichlorobenzene	1	0		13.61	10.26	20			0.272	0.140	48.70	
Naphthalene	1	0		13.45	11.72	20			1.028	0.602	41.40	
1,2-Dioxane	1	1E		0.00	0.00	2000			0.000	0.000	100.00	
Freon 113	1	1E		0.00	0.00	20			0.000	0.000	100.00	
Chlorodifluoromethane	1	1E		0.00	0.00	20			0.000	0.000	100.00	

Handwritten notes: 21.25, 31.30, 36.40, 41.75, 48.70, 41.40

Note:

8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF